



SELF STUDY REPORT

FOR

2nd CYCLE OF ACCREDITATION

KAVIKULGURU INSTITUTE OF TECHNOLOGY AND SCIENCE, RAMTEK

**K K NAGAR, MOUDA ROAD, RAMTEK, DIST NAGPUR
441106
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Submitted To

NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL

BANGALORE

January 2024

1. EXECUTIVE SUMMARY

1.1 INTRODUCTION

Kavikulguru Institute of Technology and Science (KITS), Ramtek established in 1985 is a self- financed and non minority Engineering Institution managed by Vodithala Education Society, Hyderabad with a vision of providing quality technical education in rural area. As a result about 12,295 engineering graduates, 510 Architects, 881 MBAs, 200 MCAs and 230 Engineering postgraduates have till now acquired the requisite qualifications from the Institute.

The Institute is permanently affiliated to Rashtasant Tukadoji Maharaj Nagpur University (RTMNU), Nagpur. The Institute currently offers four year undergraduate engineering programs in six branches and a five year program in Bachelor of Architecture (B. Arch.). It also offers post graduate program M.Tech and Ph.D. in Civil Engineering and Mechanical Engineering. All the Engineering programs are approved by All India Council for Technical Education (AICTE), New Delhi and the B. Arch. Program is approved by the Council of Architecture (COA). The Institute was accredited twice by National Board of Accreditation (NBA) and is accredited by National Assessment and Accreditation Council (NAAC) with B++ grade..

The Institute has beautiful green campus spread over about fifty acres area. The Institute was bestowed with 'Best Infrastructure in Maharashtra' award by All India Technical and Management Council, New Delhi in year 2014. The Institute is well known for its discipline, providing quality education, concern for the society and environment. Students are sensitized towards social and environmental issues through National Service Scheme (NSS), National Cadet Core (NCC) and many other forum activities. The focus is to inculcate continuous learning habit with positive attitude and ethically sound values within the faculty and students. The Institute has always envisioned instilling life skills among the students through their participation in various curricular, extra-curricular and co curricular activities. The objective is to unleash human potential within the students to be excelled in their chosen fields. The motto of the Institute is "Shraddhavan labhate Dnyanam" is taken from Bhagavad Gita, 4:39, where Krishna shares with Arjuna that one with "Shraddha" obtains Knowledge/Wisdom.

Vision

To develop the Institute into a center of excellence in professional and technical education.

Mission

To serve the nation by nurturing and developing professional technocrats and managers who would contribute to nation building.

1.2 Strength, Weakness, Opportunity and Challenges(SWOC)

Institutional Strength

- The Institute has permanent affiliation by RTMNU, Nagpur.

- The Department of Civil Engineering and Mechanical Engineering are recognized as Research Centres for Ph.D. by RTMNU.
- The Institute has received research funds of Rs.43.59 Lakhs from Board of Research in Nuclear Science, Department of Atomic Energy, Bhabha Atomic Research Centre, Mumbai for Civil Engineering department. Our present Principal Dr. Avinash N. Shrikhande was the PI of the Project.
- The Institute has received funding of Rs.44.78 Lakhs from Government of India for development of playgrounds and sport complex.
- The former Principals Dr. G. Thimma Reddy and Dr. Bhaskar Patel received 'Best Principal Award' in year 1998 and 'Ideal Principal Award' in year 2014 respectively.
- The Institute has contributed to Maharashtra Rural Water Supply and Sanitation "Jalswarajya" project initiated by Government of India and funded by the World Bank.
- The Institute has centralized library having more than 63,000 books with the Institute Book Bank Scheme (IBBS) and e-Journals.
- The Institute is having rain water harvesting systems and other innovative ecosystems.
- The Institute have various national and international student chapters and associations such as ISTE, IETE, IEEE and CSI along with department wise clubs and associations.
- The institute has been accredited B++ by National Assessment and Accreditation Council in year 2018.
- The institute has established roof top solar photovoltaic system with power generation capacity of 250 kVA.
- Due to Covid -19 pandemic, educational institutions in the country has increasingly involved in using the digital platforms for engaging classes, conducting conferences and meetings. Keeping aside the negative impact of lack of face to face learning, online education has broken the geographical barriers creating interaction of experts and students from distant geographies.
- The institute has a state of art infrastructure for conducting, classes, lab-sessions, examinations, conferences, webinars, STTPs in online mode. During the pandemic lockdown period all such activities were carried out successfully without any compromise for student's academic issues.
- Students, faculty, and staff are committed to the Institute and community
- Location in an area of natural beauty that offers many outdoor recreational opportunities
- The Institute campus is pollution free and is learners paradise.
- The Institute has been awarded 'A' Grade by State Government during 1997 and 2000.
- The Institute was accredited twice by National Board of Accreditation (NBA) during 2001 and 2006.

Institutional Weakness

- Less consultancy in few engineering programmes
- Location disadvantage being in a rural area

Institutional Opportunity

- Development in Industry Institute Interaction due to progressive changes in industrial sector.
- Explore involvement of alumni in academic and placement activities.
- Providing the carrier oriented training programs for better placement opportunities to students.
- Practice-based research
- Increase national and regional recognition
- Involve more faculty members in research through incentives. Increased external funding is an opportunity to increase revenue through indirect cost recovery.

- Work collaboratively with major Institutions in research.
- Increase fund raising efforts and alumni understanding of funds needed as a vital importance to future success of the Institute.
- The Institute is making efforts towards autonomous status for the academic flexibility
- Implementation of NEP
- Conferment of UGC - Autonomy
- Recognition of 2(f) and 12(B)

Institutional Challenge

- Improving the employability of the students coping up with rapidly changing technologies.
- Molding the students coming from economically weaker sections, rural areas and with low scores as per the requirement of the industry.
- The Institution is not able to pursue cutting edge research due to limited resources funding from national funding agencies etc.
- To activate Entrepreneurship Development Cell with incubation center funded by AICTE.
- Placement opportunities in core companies.
- Enhancing expertise to attract industrial projects and consultancy.
- Providing live projects from industry, Industrial floor training, frequent industrial visits that can help the students to become more competent for facing the various challenges
- Achieving 100% placement for the registering candidates

1.3 CRITERIA WISE SUMMARY

Curricular Aspects

Kavikulguru Institute of Technology and Science (KITS) is a self-financing Institute affiliated to Rashtrasant Tukadoji Maharaj Nagpur University (RTMNU), Nagpur. The Institute follows the curriculum designed by respective Boards of Studies (BoS) of RTMNU. The academic calendar issued by RTMNU is strictly followed and accordingly the institute prepares its own academic schedule. The teaching schedules of various subjects are prepared in advance for effective delivery of respective course contents. With the introduction of Choice Based Credit System (CBCS) pattern for both graduate and post graduate programs from academic year 2020-21, new courses were adopted by the Institute. The Institute conducts 'Add-on programs' such as Carrier Recruitment Training, Soft Skill Development, Carrier Prospects and Planning etc. The Institute also conducts industrial visits, site visits, various technical events and student training programs on regular basis. The Institute addresses gender issues by offering co-education where boys and girls are encouraged to work together in various curricular and other activities. The academic progress of each student is monitored by counselors by keeping records of student progress in academic, co-curricular and extra-curricular activities. The Institute also has a formal mechanism to obtain feedback from stakeholders like students, alumni, employer, faculty members and corrective measures are taken accordingly. Class teachers and academic coordinators look after the regular academic activities and maintain the record of students. Faculty is involved in various bodies of university. They also take part in syllabus reframing workshops and communicate the curriculum related gaps to the BoS members.

Teaching-learning and Evaluation

The students' admissions are in accordance with the norms of the Directorate of Technical Education (DTE), Mumbai, Maharashtra. The students are admitted through Centralized Admission Process (CAP) of DTE. The Institute has well qualified faculty and it always tries to achieve excellence in teaching learning by introducing new methods to enhance the academic results and in turn the employability of the students. The faculty members prepare their teaching schedule in advance to improve the quality of teaching-learning based on curriculum prescribed by the University. Faculty is encouraged to use the ICT based teaching apart from regular chalk and talk delivery. The Institute motivates the scientific temper, critical thinking and creativity of students by organizing workshops, seminars, and mega events like "TECHNODEON" and "ABHYUDAYAA" that includes many technical and non technical activities. The Institute has established Internal Quality Assurance Cell (IQAC) to monitor the quality of teaching-learning process. The Institute encourages the faculty by extending the financial assistance and study leaves for attending Short Term Training Programs (STTP), Faculty Development Programs (FDP) and conferences. Senior faculty members are invited as a resource person to conduct the workshops and expert talks in other institutions. The implementation of teaching schedule and student attendance is regularly monitored by respective class in-charge, academic coordinator and Head of the department. All the departments ensure full coverage of syllabus at the end of semester. Remedial classes are also arranged for slow learners. Regular class tests, two mid sessional examinations, practical examinations are conducted for enhancing the student results at University examinations.

Research, Innovations and Extension

A strong and vibrant research environment will enable institutions to deliver relevant and quality content with excellence. Civil Engineering Department has received a grant of Rs. 43.596 Lakhs from Board of Research in Nuclear Science, Department of Atomic Energy, BARC, Mumbai. Electronics Engineering Department has E-Yantra Lab Setup Initiative (E-LSI) in association with IIT Bombay funded by Ministry of Human Resource Development (MHRD) under National Mission on Education Through Information and Communication Technology (NMEICT). The faculty strives for research paper publications in peer reviewed journals. Many research papers have been published by the faculty and students in reputed national, international journals and conferences during the last five years. Some faculty members are recognized as PhD supervisors. The Institute also supports research projects by providing the financial assistance to the students as per the requirement of their project work wherever necessary. The Institute has MoUs with industries and other agencies for promoting training, research and extension activities in technical education.

The Institute encourages and supports the students to participate in events conducted by various Institutes in India. Institute also organizes activities through departmental clubs and associations. The NSS and NCC units are involved in many extension activities such as blood donation camps, annual special camps in the rural areas, tree plantations, road safety, cleanliness and literacy campaigns, street plays etc. for sensitizing the students about social issues. The Institute conducted many activities under Swachha Bharat Abhiyan in the nearby areas of the Ramtek where all the students and staff actively and voluntarily participated.

Infrastructure and Learning Resources

The essential infrastructure required for teaching-learning is made available in all departments as per AICTE norms. It includes 40 class rooms, 65 laboratories, four seminar halls, one auditorium and seven departmental libraries apart from highly modernized central library. In every department some of the class rooms are equipped with LCD projectors and necessary arrangements for online/offline classes.

About 27 numbers of CCTVs have been installed at identified locations of the buildings in the campus. Sports facilities such as cricket ground, playground, volleyball ground and an indoor sports complex, gymnasium with modern equipments are available. Separate budgets are allocated for maintenance of campus infrastructure and all departments. The premise also is facilitated with UCO Bank & ATM, Post Office, Departmental store, Canteen, RO drinking water plant etc. The Institute has two boys' hostels and two girls' hostels with air cooled mess facility. To keep the campus, classrooms and other areas of the campus clean and tidy, adequate housekeeping provisions are made.

The automated Central library has a wide collection of more than 63,000 valuable reference books, hand books and subscription of e-Journals. Audio-visual library with lectures recording facility is available. The photocopy centre having spiral binding and lamination facilities are also provided. All the departments of the Institute have adequate computing facility both in terms of hardware and software. The whole academic campus is enabled with Wi-Fi facility with 200 Mbps dedicated internet leased line.

Student Support and Progression

The Institute facilitates scholarships and freeship to students from reserved category and from economical weaker sections of the society respectively as per the norms of the government. Every department of the Institute arranges expert lectures for students by industrialists and experienced professionals to bridge the gap between industry and academia. Soft Skills Development (SSD) and Career Prospects and Planning (CPP) classes are incorporated in the timetable to improve the overall individual personality, motivate students to face employment competitive examinations and to pursue higher studies. The Institute has a centralized Training and Placement Cell that takes care of various campus recruitment training programs and provide the employment opportunities to make the students employable and also help them to choose their career. The students bring laurels to the Institution every year by winning in various events of sports and cultural activities. The students' personal and academic grievances are taken care by the counselors, class teachers and higher authorities, if needed. The grievance cell addresses the issues related to ragging, gender, sexual harassment etc. The Institute has a Students' Council comprising of Class Representatives from each class in the department which looks after the various co-curricular and extracurricular activities. These representatives select 'Students' Representative' who acts as a representative of all the students. Students are encouraged to participate in various University, State and National level events in cultural, sports and technical activities etc. The Institute organizes 'TEKNODEON' and "ABHYUDAYAA"- mega technical and non technical events during which all the inter-college competitions of technical and other events are organized. The Institute also has an Alumni Charter which contributes actively for the growth of the Institution. The Institute established Equal Opportunity Centre to facilitate the students about various Government schemes and personality development as per the guidelines issued by State Government of Maharashtra.

Governance, Leadership and Management

The Institute vision is "To develop the Institute into a center of excellence in professional and technical education" and to achieve this, the mission has been articulated. The management provides financial support to fulfill the mission and assures quality service to its stake holders and in turn to the society. The Governing Body gives general guidelines for framing policies of the Institute in tune with the vision. The management involves the faculty in participative decision making process. The Management recognizes the need for decentralization for the Institute growth. The Principal, Deans and HOD's have adequate autonomy in academic and administrative decision making. The staff, student representatives and other stakeholders

participates in framing policies and decision making at the level of Departments and the Institute. The Institute considers the feedback of all the stakeholders in transparent and effective manner. The Institute provides welfare schemes viz. Group Insurance, Provident Fund, Gratuity and KITS Employee Welfare Fund (KEWF) for the staff. The KEWF gives financial assistance to all needy employees. The Institute also provides concession in tuition fee for children of the staff. Monetary funds are provided to staff attending conferences, workshops refresher courses and STTPs. Annual performance appraisal along with Professional Commitment Document (PCD) of each faculty is done by the management every year.

Institutional Values and Best Practices

The Institute adopts environment friendly practices and takes necessary steps towards energy conservation, rain water harvesting, waste management, sewage water recycling, bio-gas plant and use of solar energy. Initiatives are taken by the faculty and students through various projects and activities to keep the campus eco-friendly. The charm of the campus is its lush green surroundings and extreme care is taken to maintain the existing flora. The structure of buildings to acquire maximum possible sun light and ventilation are few of the aspects promoted at our campus. Solar water heating systems are installed at student hostels, staff quarters and solar photovoltaic cells roof top panels with a capacity of 250 kVA.

The best practices followed by the Institute are

- i. Green Campus.
- ii. Student Counselling.
- iii. Transforming the rural, social and economically backward student to employable professional is the distinctiveness.

Other important practices that need to be mentioned are encouraging student internship at industry during vacation, inviting industry people for expert guest lectures, conducting special classes for academically slow learners & lateral entry students and also making students of third year to attend the three days training program by Keyor group Hyderabad making them comfortable for facing employment opportunities. Introduction of NSS, NCC and various clubs and associations help in developing the confidence of the students in various lifestyle issues. The overall results have improved over the years as a result of these activities. The Institute strongly believes that the institution has the responsibility of not only imparting education but also groom the overall personality of students in all respects. Hence, the Institute plays a major role in developing human values and inculcating ethical behavior in students thus helping to build a better society.

2. PROFILE

2.1 BASIC INFORMATION

Name and Address of the College	
Name	KAVIKULGURU INSTITUTE OF TECHNOLOGY AND SCIENCE, RAMTEK
Address	K K Nagar, Mouda Road, Ramtek, Dist Nagpur
City	Ramtek
State	Maharashtra
Pin	441106
Website	www.kits.edu

Contacts for Communication					
Designation	Name	Telephone with STD Code	Mobile	Fax	Email
Principal	Avinash N. Shrikhande	07114-255309	9975413330	-	principal@kits.edu
IQAC / CIQA coordinator	Yashwant M. Jibhakate	07114-255236	9730124387	-	ymjibhakate@yahoo.co.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 minority institution	No

Establishment Details	

State	University name	Document
Maharashtra	The Rashtrasant Tukadoji Maharaj Nagpur 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	
COA	View Document	08-06-2023	12	
AICTE	View Document	15-05-2023	12	
COA	View Document	08-06-2023	12	
AICTE	View Document	15-05-2023	12	
COA	View Document	08-06-2023	12	
AICTE	View Document	15-05-2023	12	
COA	View Document	08-06-2023	12	

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	K K Nagar, Mouda Road, Ramtek, Dist Nagpur	Rural	48.96	42625

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	BTech,Civil Engineering, Civil Engineering	48	HSSC	English	60	53
UG	BTech,Mechanical Engineering,Mechanical Engineering	48	HSSC	English	60	54
UG	BTech,Electronics And Communication Engineering, Electronics and Communication Engineering	48	HSSC	English	60	60
UG	BTech,Computer Technology,Computer Technology	48	HSSC	English	90	90
UG	BTech,Information Technology,Information Technology	48	HSSC	English	60	60
UG	BTech,Electrical Engineering,Electrical	48	HSSC	English	60	57

	Engineering					
UG	BArch,Architecture,Architecture	60	HSSC	English	20	8
PG	Mtech,Civil Engineering,Structural Engineering	24	B.E. B.Tech	English	9	4
PG	Mtech,Mechanical Engineering,Heat Power Engineering	24	B.E.B.Tech	English	9	0

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	9				20				64			
Recruited	4	1	0	5	11	1	0	12	31	33	0	64
Yet to Recruit	4				8				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				30
Recruited	21	9	0	30
Yet to Recruit				0

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				32
Recruited	28	4	0	32
Yet to Recruit				0

Qualification Details of the Teaching Staff

Permanent Teachers										
Highest Qualification	Professor			Associate Professor			Assistant Professor			Total
	Male	Female	Others	Male	Female	Others	Male	Female	Others	
D.sc/D.Litt/ LLD/DM/M CH	0	0	0	0	0	0	0	0	0	0
Ph.D.	4	1	0	7	0	0	6	1	0	19
M.Phil.	0	0	0	0	0	0	0	0	0	0
PG	0	0	0	4	1	0	25	32	0	62
UG	0	0	0	0	0	0	0	0	0	0

Temporary Teachers										
Highest Qualification	Professor			Associate Professor			Assistant Professor			Total
	Male	Female	Others	Male	Female	Others	Male	Female	Others	
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			Total
	Male	Female	Others	Male	Female	Others	Male	Female	Others	
D.sc/D.Litt/LLD/DM/MCH	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		Total
	0	0	0	0	
	0	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	672	13	0	0	685
	Female	549	11	0	0	560
	Others	0	0	0	0	0
PG	Male	6	0	0	0	6
	Female	0	0	0	0	0
	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	16	19	21	38
	Female	18	14	12	19
	Others	0	0	0	0
ST	Male	2	2	0	2
	Female	1	1	0	0
	Others	0	0	0	0
OBC	Male	31	36	27	58
	Female	30	20	26	28
	Others	0	0	0	0
General	Male	74	49	37	86
	Female	41	42	21	38
	Others	0	0	0	0
Others	Male	14	10	6	18
	Female	11	5	11	8
	Others	0	0	0	0
Total		238	198	161	295

Institutional preparedness for NEP

<p>1. Multidisciplinary/interdisciplinary:</p>	<p>KITS is affiliated to RTMNU, Nagpur University and the institute strictly follows the academic curriculum in accordance with the University pattern The Vision of National Education Policy, to provide high quality education to develop human resources in our nation as global citizens, is very well taken by the university. Discussions among the faculty members were initiated on the key principles of NEP such as diversity for all curriculum and pedagogy with technological innovations in teaching and learning, encouraging logical decision making and innovation, critical thinking and creativity. In view of the NEP, university has initiated new interdisciplinary centers integrating different departments in addition to the</p>
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	<p>existing inter/multidisciplinary research and academics. Academic programs are redesigned to include Multidisciplinary /Interdisciplinary courses as electives. All programs are designed in such a way that students get maximum flexibility to choose elective courses offered by other Departments. It can be said that the University is proactively working towards implementation of the suggestions given in the NEP.</p>
2. Academic bank of credits (ABC):	<p>Our institution is yet not registered under the ABC because RTMNU, Nagpur University under which our institution is affiliated, has not yet registered for Academic Bank of Credits (NEP-2020). As per the university curriculum KITS follows a Choice-Based Credit System (CBCS) for all of its programs.</p>
3. Skill development:	<p>In order to strengthen the vocational education and soft skills of students, our institution provides Value Added training program for all students hosted by Keyor group. The Institution and its faculty uses Restructured Teaching Methods & The Reversed Learning Model. Appropriate instructional approach in classrooms has been implemented such as seminars, assignments, problem solving, encouragement for peer learning as well as remedial classes are provided to slow learners. Best practice performed by our institution is Career Counseling in which we guide students about the profession that they can opt or field in which they can go after completion of specific courses running under the Institution. Classes for Personality Development, Interview facing & Resume Writing are also provided to students.</p>
4. Appropriate integration of Indian Knowledge system (teaching in Indian Language, culture, using online course):	<p>Efforts are made to cultivate the importance of other languages like Marathi, Hindi and Sanskrit by celebrating the various regional functions and other activities that are conducted in other than English language. To preserve & promote Indian languages, ancient traditional knowledge, arts, culture and tradition many commemorative days are celebrated like Marathi Bhasha Gaurav Din on 27 December. 'Marathi Raj Bhasha Din' on 1st May. Historical events and literature of that era are taught to students. Educational tours and many social activities are done by NSS Unit and Social Club of our institute in order to spread awareness for many social issues.</p>

<p>5. Focus on Outcome based education (OBE):</p>	<p>KITS offers 6 UG programs in Engineering, 2 PG programs in Engineering, 2 Ph.d programs in Engineering and 1 program in B.Arch. All these programs are offered as outcomes-based educations (OBE) which are designed keeping in mind the regional and global requirements by the university. KITS has implemented outcome based education with clearly stated Program Outcomes, Program Specific Outcomes and course outcomes. All courses are designed with outcomes centered on cognitive abilities namely Remembering, Understanding, Applying, Analyzing, Evaluating and Creating. Apart from the domain-specific skills, learning outcomes at all levels ensure social responsiveness and ethics, as well as entrepreneurial skills so that student contributes proactively to economic, environmental and social well-being of the nation. The Course Objectives (COs) are also aligned to the PO-PSO philosophy. All course syllabus have been designed with due consideration to macro-economic and social needs at large so as to apply the spirit of NEP.</p>
<p>6. Distance education/online education:</p>	<p>Due to Covid -19 pandemic, educational institutions in the country has increasingly involved in using the digital platforms for engaging classes, conducting conferences and meetings. Keeping aside the negative impact of lack of face to face learning, online education has broken the geographical barriers creating interaction of experts and students from distant geographies. Educational institutions have started adopting hybrid mode of education combing online and offline resources. This can be considered as the new normal, which is envisaged in New Education Policy as well. Due to the experience gained during the closure period of Covid-19, access to online resources by educators and students will not be a constraint anymore. Faculties are encouraged to attend and also conduct events/ courses at KITS which promotes the blended learning system of learning.</p>

Institutional Initiatives for Electoral Literacy

<p>1. Whether Electoral Literacy Club (ELC) has been set up in the College?</p>	<p>Under the guidelines of Election Commission of India an Electoral Literacy Club (ELC) has been established on 18th November 2021 at KITS,</p>
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	<p>Ramtek. ELC is the initiative under Systematic Voter’s Education and Electoral Participation (SVEEP), which mainly focuses on voter’s awareness, information sharing and motivating them to cast their votes. An Electoral Literacy Club is a platform to engage students through interesting activities and hands-on experience to sensitize them on their electoral rights and familiarise them with the electoral process of registration. Through ELC, the Election Commission of India aims at strengthening the culture of electoral participation among young and future voters. Electoral Literacy Clubs are specially set up in colleges all across India targeting the new voters (in the age group of 18-21 years) pursuing their graduation and all students can be the members of the club. Objectives: i. To educate the targeted population about voter registration, electoral process and related matters through hands on experience. ii. To help the target audience understand the value of their vote and exercise their suffrage right in a confident, comfortable and ethical manner. National Voter’s day is celebrated across the country on 25th January every year. This year the theme of the National Voter’s Day celebration was “Nothing like voting, I vote for Sure” keeping this idea in mind the ELC in KITS, Ramtek conducted the National Voter’s day on 25th January 2023. Election Literary club organized a new voter registration guidance program on 31st January 2023 in association with Tahasil Office, Ramtek. Essay competition was also conducted in the Institute for student awareness towards our democratic process of electing the government.</p>
<p>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?</p>	<p>Establishment of ELC in the institute: 18/11/2021. Coordinating faculty member : Dr. Pankaj S. Ashtankar, Dean (SA) and Professor, Department of Electronics and Communication Engineering. Coordinating student member : Rutuja Kale, student of final year Computer Technology. Total student members : 40</p>
<p>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</p>	<p>i. ELC conducted Essay writing competition for students’ awareness towards democratic process of electing the government in the nation on 24th November 2023 and 37 students participated. ii. Camp for voter ID/Election card for student of First Semester, conducted on 24th November 2023 organized by ELC and SDO Ramtek, 103 students</p>

<p>ethical voting, enhancing participation of the under privileged sections of society especially transgender, commercial sex workers, disabled persons, senior citizens, etc.</p>	<p>participated. iii. Voters’ registration drive conducted on 31st January 2023. iv. National voter’s day is celebrated across the country on 25th January every year. This year the theme of the national voter’s day celebration was “Nothing like voting, I vote for sure” keeping this idea in mind the ELC in Kavikulguru Institute of Technology and Science, Ramtek conducted the National Voter’s day on 25th January 2023.</p>
<p>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.</p>	<p>Camp for voter ID/Election card for the students of First Semester, conducted on 24th November 2023 organized by ELC and SDO Ramtek, 103 students have participated.</p>
<p>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.</p>	<p>Election literary club organized a new voter registration guidance program on 31st January 2023 in association with Tahasil office, Ramtek. On this occasion Naib Tahasildar, Deputy Tahasildar, guided the students who have completed 17 years of age and will complete 18 years of age in April, July, October 2023, who can fill the Form No. 6. Voters can be registered through Voter’s Helpline App or an offline application can be filled and submitted to the Tahasil Office.</p>

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
1251	1224	1326	1530	1861

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: 158

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
75	67	84	95	124

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
342.73	237.02	234.72	291.05	317.06

File Description	Document
Upload Supporting Document	View Document

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:

The Institute has a well-defined system for planning and effective implementation of the curriculum. The Institute being affiliated to Rashtrasant Tukadoji Maharaj Nagpur University (RTMNU), Nagpur adheres to the curriculum prescribed by the University. The Institute systematically designs and develops action plans for the delivery and effective implementation of the curriculum. The Institute strictly follows the academic calendar issued by RTMNU to plan academic activities.

Curriculum Analysis, Delivery Plan and Implementation.

- **Curriculum Analysis:** The RTMNU curriculum is a blend of Humanities, Basic Science, Basic Engg., Core Courses, Elective courses, Projects and Seminars etc. The Institute also follows the AICTE model curriculum and the courses prescribed by AICTE not covered under RTMNU are offered as Value added courses or addressed through topics beyond curriculum.
- **Curriculum Delivery Plan and Implementation:** The curriculum delivery plan meets the Outcome Based Education components like POs, PSOs and COs defined by regulatory bodies and departmental committees. The measures are:
 - Upon release of the University academic calendar, the IQAC discusses, decides and plans the Institute's academic schedule of events. It includes the number of working days, the schedule for conducting internal assessment tests, submission of assignments in each unit by the students. The timetable Coordinator of each department collects the subject preferences from all the faculty members. Based on this, the subjects are allocated by the HoD before the beginning of every semester.
 - The faculty prepares the teaching schedule, subject notes, assignment topics, and question bank. It is verified by the HoD and IQAC team .
 - Every month the status of the portion of syllabus completion is monitored by the HoD.
 - Feedback is collected in each academic year from the students.
- **Process of Monitoring**
 - The senior members handling a course are nominated as Course Coordinators for that course to monitor the status of course delivery.
 - IQAC periodically verifies the quality of the delivery process through regular monitoring

of the attendance and syllabus coverage for every fortnight and corrective measures are taken for any deviation observed.

- **Adherence to Academic Calendar:**

- The institute strictly complies with the university academic calendar accommodating all planned activities.
- The Institute's academic schedule helps the faculty members plan their respective course delivery and undertake academic and other activities.
- Department heads closely supervise and monitor the completion of the syllabus as per the teaching schedule prepared by faculty members.
- Portions of the syllabus for each mid-sessional are decided well in advance and the faculty members are required to stick to it.
- The faculty members are engaging the extra classes to cover the syllabus of the course.

File Description	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: 35

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

Other Upload Files

1	View Document
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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: 66.46

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
860	617	787	1182	1334

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:

Issues related to Gender:

The Institute addresses cross-cutting issues relevant to gender. Boys and girls are encouraged to collaborate in various curricular (laboratory, classes and group project work), co-curricular and extracurricular activities. No discrimination is made between boys and girls while forming committees of associations and clubs.

All the organizing committees and institutional-related work, duties and responsibilities are assigned to faculty members without gender bias. The Institute has an Internal Complaints Committee (ICC) to address the issues of women's safety in the workplace. This committee also addresses the issues related to sexual harassment and gender violation.

Issues relevant to Environment and Sustainability, Human Values and Professional Ethics:

Rashtrasant Tukadoji Maharaj Nagpur University (RTMNU), Nagpur prescribes various compulsory courses in the curriculum of various semesters that address issues relevant to Environment and

Sustainability, Human Values and Professional Ethics. Various courses of curriculum and the relevant issues are indicated in the following table:

Course	Semester	Relevant Issue
Energy and Environment	First year(First Semester)	Environment and Sustainability
Indian Culture and Constitution	First year (Second Semester)	Human Values
Environment Studies	Third-semester Information Technology and Electrical Engineering, Fourth Semester Computer Technology and Sixth Semester Mechanical Engineering	Environment and Sustainability
Universal Human Values	Third-semester Information Technology and Computer Technology	Human Values
Professional Ethics	Fourth Semester Mechanical Engineering and Fifth Semester Computer Technology	Professional Ethics
Social Ethics in IT	Fourth Semester Computer Technology	Social Ethics
Yoga and Meditation	Fifth Semester Information Technology and Sixth Semester Electrical Engineering	Human Values
Professional Practice, Laws and Ethics	Fifth Semester Civil Engineering	Social Ethics
Sports/Yoga/NSS/NCC	Third Semester Mechanical Engineering and Fourth Semester Mechanical Engineering	Human Values
Climate and Architecture	Fourth Semester B. Architecture	Environment and Sustainability
Professional Practice	Tenth Semester B. Architecture	Professional Ethics

The course on Energy and Environment imparts knowledge in renewable and non-renewable sources and brings out the impact of Energy Technologies on the Environment.

The course on Environment Studies addresses the issue of Environment and Sustainability. Students are taught the objectives and guiding principles of the environment that are being used for public awareness and the organization of the environmental education system. The students are also educated regarding the optimal use of natural resources and equitable resources for sustainable lifestyles that are required to monitor pollution, human health, women and child welfare and other social issues.

Moreover, they learn about professional ethics and also develop an awareness of socio-legal issues such as Public Interest Litigation (PIL), Right to Information (RTI), Intellectual Property Rights (IPR) and

patents.

Students are educated to identify and analyze ethical and social issues associated with information technology through the courses related to Information Technology (IT). Students understand and interpret the professional code of ethics which is relevant to the IT profession. Students can take appropriate action based on standards of professional ethics when confronted with an ethical situation. In addition to the above courses, students are made aware of the professional ethics of a professional Institute through the 'Code of Conduct for students' of the Institute. It is uploaded on the Institute's website. The administrative manual prescribes the professional ethics to be followed by staff members. Architectural Design courses focus on community-oriented design thereby human values are addressed.

File Description	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: 62.75

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

Response: 785

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: 54.47

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
405	238	198	161	295

2.1.1.2 Number of sanctioned seats year wise during last five years

2022-23	2021-22	2020-21	2019-20	2018-19
428	428	437	446	642

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: 56.97

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
174	123	107	103	171

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
214	214	218	223	321

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: 16.68

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:

The Institute adopt student-centric methods to make the learning process more effective for the holistic development of students through experiential learning, participative learning and problem-solving methodologies. The following activities have been adopted by the faculty:

Experiential learning:

- **Laboratory sessions** : The curriculum is designed in such a way that sufficient emphasis is laid on hands-on experiments required for a comprehensive understanding of the subject. The laboratories, software and model experiments are beyond the curriculum.
- **Industrial and Site Visits**: Studying without a practical approach is not considered worthwhile in this challenging and competitive environment. Putting that aim in mind, the Institute facilitates the visits of the students to various industries to make them understand the classroom concepts in a better way.
- **Field Works and Internships**: The main motto of Field works/Internships are educational and career development opportunities, providing practical experience in a field/discipline.
- **Industry-Oriented Mini Projects**: Students are encouraged to take up any industry-oriented application in his/her field of interest in their respective programmes/field.

Participative Learning:

- **Expert Talks, Workshops and Seminars**: Students are encouraged to participate in workshops, expert talks and seminars organized by various professional societies, esteemed institutes and industries.
- **Group Discussions** : Group discussions are organized through the Soft Skill Development (SSD) course. The purpose of a group discussion is not to win an argument but to help each group member explore and discover the proper meaning of a text through interaction with other people.
- **Community outreach programme**: Students are taken to community visits under the NSS unit. Different activities such as health checkup camps, and cleanliness drives are undertaken by NSS and NCC. Employability generation within villages and entertainment programs (Nukkad) would help them to understand real-world social problems. Also conducted awareness rallies like 'Beti Bachaw and Beti Padhaw' , 'Voter Education' and 'Jal hi Jiwan' programs.

Problem Solving Methodologies:

- **Developing Models**: Models make it possible to go beyond observables and imagine a world not yet seen. The students are encouraged to prepare models.
- **Project Based Learning**:

Project Based Learning is a teaching method in which students learn actively by engaging in real-world and personally meaningful projects. Students work on a project over an extended period from a week up to a semester that engages them in solving a real-world problem or answering a complex question.

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

Conducting activities using ICT tools is an effective methodology. These tools provide benefits like maintaining structured data and a fast evaluation process. During the pandemic situation, the role of ICT tools was predominantly experienced. In the online mode of learning, the use of ICT-enabled tools is mandatory but in offline mode, it was effectively enforced as per the requirements of the subject. Various ICT tools and resources were incorporated to share knowledge and information with students. Resources included Open Educational Resources (OER) like Swayam NPTEL courses and material shared via Google Classroom and virtual labs. Tools like Zoom, Webex, and Google Meet were used effectively for the online teaching-learning process.

File Description	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: 82.1

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
93	101	108	116	124

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: 22.02

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
19	19	20	17	23

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 awarded 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 strictly adheres to the evaluation process approved by Rashtrasant Tukadoji Maharaj Nagpur University (RTMNU) curriculum.
- According to university norms, for non CBS courses, 20% marks are reserved for internal assessment and 80% marks for the end-semester examination conducted by the university. For CBS courses, 30% marks are reserved for internal assessment and 70% marks are based on the end-semester examination conducted by the university.
- The institute has a Dean (Examinations) for smooth conduction of the examination.
- Internal marks are based on unit tests, assignment and subject viva voce.
- Internal Assessment contains mid test I and mid test II. Test I contains two units (40% of the syllabus) with weightage of 15 marks. Test II contains the remaining three units (remaining 60% of the syllabus).

- Internal practical examination is conducted for laboratory courses for awarding internal marks based on VIVA and laboratory examination.
- The question paper is moderated by HOD before the final execution for all semester subjects.
- The academic performance of the student and attendance of the student are maintained and recorded in each department.
- The students are allowed to review their evaluated answer copy and discuss the same with the concerned faculty.
- The revaluation of answer sheets from other staff members is carried out for any grievance raised by the student.
- The department displays result analysis on the notice board for maintaining transparency.
- Also, the result analysis, attendance and evaluation report are shared with all the parents after mid test by sending SMS on the parents mobile phone.
- Practical Project evaluation is as per the guidelines of RTMNU Nagpur.
- Final year projects are to be carried out as a part of curriculum and the evaluation of the projects is done on a regular basis. The marks are awarded on the basis of their presentation, performance and progress of the project.
- The mechanism to deal with examination related grievances with reference to Institute level and University level are as follows

Institute level:

- At the beginning of every semester the method of assessment is explained to the students.
- Answer sheets of mid sessional examinations are corrected within three days of examination.
- Answers of mid sessional question papers are discussed in the classroom.
- The answer sheets are shown and discussed in the respective classes so that the mistakes/errors of the students can be printed out and rectified. Any grievances related to assessed answer books are resolved by respective faculty members.
- Students can also approach the Head of the department, in case of any grievances.

University level:

- After the declaration of university results, students could apply for the reassessment in which they request a photocopy of their answer books from the University.
- If the students have grievances after receiving a photocopy of the answer book, they can apply for reassessment/revaluation.
- Reassessment results are declared by university in a specific course of time.
- Examination section attends to the grievances of the students related to university examination.
- The Institute takes special care in dealing with such issues.

File Description	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 course outcomes are clearly defined using Bloom's taxonomy for all academic programs and courses of the Institute.
- The course outcomes are measurable and stated using active verbs (Bloom's taxonomy).
- They are expressed as complete declarative sentences that clearly describe the knowledge, skills, and competencies that students are expected to acquire as a result of completing their course.
- The outcomes are assessed and measured to identify the extent to which goals are accomplished.
- All Program Outcomes (POs) have been adequately addressed through the core courses and their Course Outcomes (COs).
- Process of dissemination of vision, mission and POs / PSOs among the stakeholders and its awareness:
 - The vision, mission and POs / PSOs are available on the college website.
 - The vision, mission and POs / PSOs are displayed in the HOD room, meeting room, departmental notice boards, classrooms, laboratories etc. This also is one of the ways of conveying these to stakeholders particularly students, faculty, parents, visitors etc.
- Apart from this, vision and mission statements are informed to all the stakeholders of the programs through faculty meetings, student awareness workshops, student induction programs etc.
- Newly admitted students are informed about these concepts during the induction cum orientation program.
- Every teacher informs course objectives and course outcomes at the beginning of the semester.
- After completion of each unit of the course, the teacher explains the CO and POs for its attainment.
- COs are displayed on all examination question papers.
- Students are also informed about the objectives of any new program/ activity conducted for them and how it will be beneficial for them.
- Feedback is taken from students after every semester in terms of achievement of POs and PSO through academics and other activities conducted on the campus.
- Thus, continuously POs, PSOs and COs are disseminated among the teachers and students.

File Description	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:

The assessment tools and processes used for measuring the attainment of each of the program outcomes and program-specific outcomes are as mentioned below:

Method of Assessment of POs/PSOs

- The Program Outcomes (POs) and Program Specific Outcomes (PSOs) are assessed with the help of course outcomes of the relevant courses through direct and indirect methods.
- Direct methods are provided through direct examinations or observations of student knowledge or skills against measurable course outcomes.
- The knowledge and skills described by the course outcomes are mapped to specific problems on university examinations, internal exams, assignments and activities. Throughout the semester the faculty records the performance of each student on each course outcome.
- The institute has prepared an Excel program to map and measure CO-PO attainment
 - **For non-CBCS**

Average attainment in direct method = University examination (80%) + internal assessment (20%)

- **For CBCS**

Average attainment in direct method = University examination (70%) + internal assessment (30%)

Indirect assessment strategies are implemented through feedback from students, parents and alumni. The tools used for the assessment of POs/PSOs and their frequencies are as mentioned below:

Sr.No.	Assessment Tool	Description	Mode	Frequency
1	University Examinations	At the end of each semester University conducts the examinations. After	Direct	End of each semester

		the University results the course outcomes are measured based on the course attainment level fixed by the program.		
2	Mid-session I Examinations	Two internal mid-session examinations are conducted per semester to ensure that students have achieved the desired level of competencies at the unit level and whether corresponding COs are achieved or not. According to the performance of the student, mapping is carried out with the respective COs for assessing the attainment level of specific COs of the course.	Direct	Twice per semester
3	Assignment	Assignments are given at the end of each unit. According to the performance of the students in answering each question mapping is carried out with the respective COs.	Direct	End of each unit
4	Alumni feedback	Alumni feedback is an important tool to find out the level of relevance of the curriculum with the expected skills of the industries.	Indirect	Once in a year

		After receiving the response, the answer to the specific question is assessed and mapped with the corresponding POs to find the level of attainment		
5	Student feedback	The objective of conducting the survey is to understand the strengths and weaknesses of various value-added courses and pre-placement training imparted.	Indirect	Once in a year

File Description	Document
Provide Link for Additional information	View Document

2.6.3

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

Response: 95.87

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
204	416	467	551	500

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
254	419	469	551	537

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

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	View Document

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: 17.38

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
2.0	4.509	10.87	00	00

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 Institute has an IQAC to direct/guide various groups to foster an innovation ecosystem in the Institute. Students are encouraged to be actively involved in the application of technology for societal needs.

- 1. Incubation Centre:** The Institute has an incubation centre to support the students, research scholars and faculty. The incubation centre was set up to create an atmosphere where new ideas can be incubated. It offers appropriate solutions to workable issues. The institution provides mentoring support, space and facilities to convert ideas into products. Workshops on emerging trends in Technology are organized for better industrial exposure.
- 2. Collaborations:** The innovation ecosystem is built on the principle of collaboration, bringing together stakeholders from academia, industry and communities. The institute has signed MOUs

with different institutions and industries for Collaboration.

3. Establishment of Research and Development Cell: The institute has an active Research and Development cell for promoting research activities. Various guest lectures and workshops are regularly conducted related to Intellectual Property Rights (IPR) and paper writing skills. Dean (R&D) is monitoring related activities. Faculty are awarded patents such as Dr. Mahesh Mawale has been awarded patents on a device for detecting Glaucoma and Rapid Prototyping Assisted Fabrication of a Device for detecting Glaucoma. The institute has a recognized Ph.D. research centre in the Department of Civil and Mechanical Engineering, this could be an added advantage to the students.

4. E-Yantra Lab setup initiative (eLSI): The Institute has the E-Yantra project funded under the Ministry of Human Resource Development (MHRD) to facilitate the robotics lab to spread embedded systems-related knowledge to the students. Through this activity, the students get exposure to National and International innovation in the related field.

5. Participation in Collaborative Projects:

- The institute regularly organises programs related to innovation and entrepreneurship in collaboration with the Rajiv Gandhi National Institute for Intellectual Property Management.
- The institute had undertaken the project entitled 'Air Quality Monitoring and its Management in and around Vidarbha Region for Cluster and Industries' funded by Gyan Enviro, Nagpur.

6. Encouraging students to participate in Hackathons/club activities: Every department has pulsating participation in National/International professional clubs and associations (IEEE/ ISTE /IETE etc.) which encourages the students to participate in Hackathons, Codathons etc. Dedicated mentors work towards enabling students to participate. Mechanical Engineering students demonstrated a project at the 108th Indian Science Congress, Nagpur. The Mechanical Engineering students are participating in the GoKart competitions and also win prizes.

7. Transfer of Technology: During the initial phase of COVID-19, Mr. Rajan Yadav student of Mechanical Engineering developed a contact-free sanitizer machine and donated it to Grampanchayat Khairi and Kamptee Police Station, Kamptee. The device invented by Dr. Mahesh Mawale has been assigned to OKO ICARE SOLUTIONS PVT. LTD. for bio-medical application to the society.

File Description	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: 47

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
12	06	03	09	17

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: 0.09

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
05	03	04	01	01

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: 0.04

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
3	1	2	0	0

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:

The Institute makes best possible efforts to bring about the social and economic transformation of the neighbourhood community, to promote the overall development and well-being of society. The Institute inculcates desirable sensitivity, empathy and the virtue of social participation among all its stakeholders. The institute is well aware of its social responsibility and hence it renders community service, especially to marginalized sections. It perceives formal education as an instrument of bringing about positive social transformation which leads to the betterment of social culture and the spiritual fabric of the human community. The Institute is committed to develop a balanced personality of learners who can facilitate the forces of social, economic, and environmental growth.

The Institute endeavours to create engineers with strong domain knowledge. The students are sensitized towards humanity so that they understand the problems of society and find out the solutions to the issues like poverty, alcoholism, unemployment, female feticide etc. The students try to solve the local problems of communities through various activities of the departmental forums, associations, National Service Scheme (NSS) and National Cadet Corps (NCC) units. In an attempt to reach society, various departments of the Institute organize social, cultural and spiritual activities. Students are motivated to contribute to various social causes. To create awareness about digital India, staff and students of various forums regularly visit nearby schools and give seminars on the importance of making India digital.

To inculcate the social values and holistic development of the students, the Institute has organized the following events/ programs during the last five years:

Helping hands: It is a unit of KITS students who serve the underprivileged and poor students in Ramtek taluka by providing clothes, books and other educational items at free of cost.

National Service Scheme (NSS): Every year NSS organizes different activities such as Swachh Bharat Abhiyan, free medical checkups, awareness programme on solar energy, rainwater harvesting, the importance of agricultural and tree plantation drives at different places of Ramtek taluka. The NSS also organizes drawing–painting competitions at the deaf and dumb school at Ramtek. During national calamities such as the Uttarakhand tragedy, Bhuj earthquake, Kargil war etc., the NSS unit worked hard to donate cash, clothes and food to the sufferers. Many other programs are conducted every year by the unit such as eradicating corruption, road safety, cleanliness activities and women empowerment. Expert lectures on the anti-ragging act and cyber law for the students are also organized by the NSS unit. Students of NSS regularly visit the old age homes and distribute necessary things to them.

National Cadet Corps (NCC): The NCC unit extends its services to the society in the form of tree plantation, blood donation camp, Swachh Bharat Abhiyan and training technical students as NCC cadets in the interest of the nation.

File Description	Document
Provide Link for Additional information	View Document

3.4.2

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

Response:

The Institute strongly believes in the need for holistic development of the students and accordingly, the Institution has been at the forefront in directing the students' energy towards addressing social issues through extension activities.

The institute has active NSS and NCC units providing a platform for students to indulge in extension activities in the nearby areas of Ramtek. The significant outcome of outreach activities is in terms of appreciation and awards from Govt. recognized bodies in the last five years. Every year blood donation camp is organized on Martyr's Day on 30th January at the Institute. NCC cadets, students and staff volunteers donate their blood and exhibit a sense of patriotism.

The blood bank teams collect blood and provide it to the needy. To acknowledge this contribution, an appreciation letter is given to the institute. NSS unit has been organizing special camps at nearby villages by conducting activities like tree plantation, Medical camps, cleanliness drives and an awareness rally during the camps. An appreciation letter has been issued by Gram Panchayats of different villages for their contribution to the development of villages.

NSS unit organized a special camp at villages Manapur and Hivari. During the camp, a cleanliness drive was organized to explain the importance of cleanliness and hygiene to village people. Activities like door-to-door garbage collection and disposal were initiated. This camp creates social awareness among villagers through different activities. NSS unit also conducted a personality development activity for Zillah Perishad school children to imbibe the importance of communication skills. NSS unit organized a free Medical Camp at village Hivari, this Medical camp ensures that people are getting healthcare at the right time and visiting doctors early enough before small health problems turn into serious problems.

The NSS unit organized a skit/Nukkad Natak on addiction to create awareness and educate people about the ill effects of alcoholism. Also, an awareness rally was organized on addiction.

During the initial phase of COVID-19, Mr. Rajan Yadav student of Mechanical Engineering developed a contact-free sanitizer machine and donated it to Grampanchayat Khairi and Kamptee Police Station, Kamptee. **The details of awards and recognition received are listed in the following table:**

Sr.No.	Name of the Activity	Name of the Award/ Recognition for the institute	Year of award	Name of the Awarding Govt/Non-Govt Recognition Bodies
1.	Blood Donation Camp	Appreciation letter	2023	Life Line Blood Bank, Run by Central India

				Medical Trust and Rainbow Blood & Component Centre, Ramdaspath, Nagpur
2	NSS Special camp at village Manapur	Certificate of appreciation	2023	Group Gram Panchayat Manapur Panchayat Samiti - Ramtek, Z P - Nagpur
3	NSS Special camp at village Nandapuri	Certificate of appreciation	2022	Gram Panchayat Nandapuri Panchayat Samiti - Ramtek, Z P - Nagpur
4	Outstanding Social contribution by Innovation and donation of sanitizer machine to Gram Panchayat Khairi, Dist Nagpur	Certificate of appreciation	2020	Gram Panchayat Khairy, Panchayat Samiti Kamptee, ZP- Nagpur
5	NSS Special camp at Village Hiwari	Certificate of appreciation	2020	Gram Panchayat Amadi (Hivari), Panchayat Samiti Parseoni, ZP-Nagpur

File Description	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: 44

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
14	8	00	10	12

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: 26

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

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:

The Institute has adequate infrastructure facilities available on the campus to maintain the quality of academic standards which include classrooms, faculty rooms, laboratories, etc. complying with the standards of AICTE and RTMNU. Normally the policy of the Institute infrastructure is conveyed and executed by a committee constituted by the Management/Governing council. The committee approves a uniform and balanced distribution of space and resources to all departments.

The Institute has the following infrastructural facilities for teaching-learning:

- The Institute is sprawled in an area of 48.96 acres of land and the total built-up area of the building constructed is 42625 sq. mt.
- The Institute comprises various buildings that accommodate different departments, the library and the gymnasium.
- The Institute has 36 classrooms and 57 laboratories including a computer lab in each department, one research and development laboratory, a resource center, six drawing halls and tutorial rooms.
- The Institute has adequate faculty rooms including HODs cabins, Departmental offices, a NCC office and a NSS office.
- Four air-conditioned seminar/conference halls out of which three halls have 100 seating capacity and one has 350 seating capacity.
- Air Cooled Central Library is enabled with an audio-visual facility.
- The campus also has two girls hostels, two boys hostels and three messes which includes two air-cooled messes for residential students and staff.
- The Institute has a Chairman, Secretary Residence and two guest houses for VIPs.
- The Principal's residence and 40 staff quarters are constructed on the campus.

- A separate Project Engineering Office is available for the maintenance of infrastructure.
- A Reverse Osmosis plant is set up to provide pure drinking water for the students and staff.
- UCO bank along with ATM and a post office is also available on the campus.
- There are a total of 438 computers and most of the computers are connected through a 200 Mbps leased line.

Sports and Outdoor games facility:

A full-fledged sports complex has been constructed on the premises of the institution. The campus has a huge playground with a total area of 29,000 sq.mt. For outdoor games and sports, the Institute has a running track, cricket ground, football ground, volleyball court, basketball court, tennis court, handball court, and Kho-Kho ground.

Indoor games facility and Gymnasium:

The Institute also has a full-fledged indoor sports complex having indoor games facilities funded by the Government of India (GOI), Union Ministry of Youth Affairs and Sports, New Delhi, such as table tennis, carom, chess, badminton and basketball. The size of the Indoor complex is 1392 sq. mt. A gymnasium of 20 sq.mtr. is well equipped with fitness equipment such as treadmills, jogger machines, weight lifting plates, gym balls etc.

Canteen: The Institute has a canteen which accommodates around 80 students at a time for refreshments.

Cultural Activities: The Institute has clubs/associations/forums that conduct various co-curricular and extracurricular activities. Apart from these clubs and forums, the Institute also has NSS and NCC units. For cultural activities, an open stage '**Rajeshwara Kala Mandapam**' is constructed and sufficient arrangements are made for the audience.

File Description	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: 3.2

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
25.41	9.36	0.75	9.54	0.50

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 has been established since the inception of the Institute, year 1985. A separate building for the central library was constructed in the year 1994. It has been named P. V. Narasimha Rao Central Library. Which is built up in an area of 1620 sq. mt. The central library is a two-floored building having a maximum seating capacity of 250. The ground floor is divided into 11 sections: alter for goddess Saraswati, office for staff, photocopy section, circulation desk, new arrival section, searching section through Online Public Access Catalogue (OPAC) and CATLOGUE index, reading hall, reference section, teacher's table, newspapers, magazines section and RO water etc.
- The first floor is divided into 10 sections such as audio/video visual section, digital library, periodical section, project reports, bounded volumes, processing books and journals section, Book Bank Scheme (for SC/ST students), and Institute Book Bank Scheme (for all students).
- The library is well equipped with more than 65,000 books, national and international journals, magazines, newsletters and newspapers.
- The Institute has a Library Advisory Committee with the Principal as Chairman, a Librarian as member secretary and faculty members from each department as members. The committee meets once every year, prepares proposals, analyzes the feedback taken by the Librarian from the

students and staff and submits the report to Institute authorities for necessary action.

- Some of the significant initiatives implemented by the committee are:
- Wi-Fi facility, Institute Book Bank Scheme, books circulation with Integrated Library Management System software (SLIM21).
- E-access to the library through OPAC.
- The facility of one set of books each semester to the University and Institute toppers free of cost.
- Coolers are provided during summer and RO water is provisioned within the library
- The library has received a grant of Rs. 4.5 lakhs from AICTE under MODROBS for the project “Library Automation” in the year 2003.
- The central library has been automated using SLIM21 since 2004.
- The staff and students can see their library account status and access the library database through SLIM21 version 4.0 software. The ILMS has the following modules

Catalogue: This allows for the preparation of the database of books, journals, project reports and magazines available in the library as per title, author, subject, publisher, type of learning resource and year of acquisition.

Circulation: This module is used to track the status of the book such as issued, returned, borrowed, and renewed by either student or staff.

OPAC: provides access to the library learning resources through various catalogues and indexes such as author, title and subject etc.

Serials: This module allows the library to keep a record of the periodicals and magazines.

The library has subscribed to DELNET and NDL database, which covers full-text e-journals, e-books, e-thesis and Dissertation and many other online databases. In addition to this, the institute has a subscription of 1696 journals which cover 1613 full-text e-journals.

File Description	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:

- The Institute has 438 computers out of which 09 are Servers and all 438 computers are connected to the internet. All the computers of the institute are connected to LAN.
- The student to computer ratio is maintained at 2.86:1.
- Presently we have 52 different types of Software. The number of licensed copies available with us is 509.
- The Institute is identified as the Remote Centre of IIT Bombay. This facilitates conducting various workshops under the National Mission on Education through ICT (MHRD, Govt. of India).
- Internet facility is provided through BSNL leased Line Services with a bandwidth of 200 Mbps. By estimating the volume of data transmission, the bandwidth will be further increased during an ad-hoc situation. The Institute has a BSNL fiber optic connection as a standby provision. Two outdoor access points and 13 Wi-Fi routers are installed to provide a 24x7 internet facility.
- The Institute has 26 Projectors, 10 Scanner, 45 Printer and 1 Color Printer available for providing services to all department faculties and students.
- The Institute has two ICT-enabled centralized computer centres having 136 computers. These centers are used to conduct online/offline training programs, workshops, webinars, seminars, etc.
- Enhancement of ICT facilities is done based on the requirements. Necessary software and hardware devices, computer systems and peripheral devices are purchased as per the need.

Hardware and Software Facilities

S.No.	Item & Configuration	Quantity
1	Number of systems with configuration	438
2	Computer-student ratio	2.86:1
3	Dedicated computing facility	Two ICT enabled dedicated centres with 136 computers
4	Wi-Fi facility	2 outdoor access points and 13 Wi-

5	Proprietary software / Open source software	Fi routers 52
6	Number of nodes/ computers with internet facility	438
7	LAN facility	All the computers are connected to the LAN

File Description	Document
Provide Link for Additional information	View Document

4.3.2

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

Response: 2.86

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

Response: 438

File Description	Document
Purchased Bills/Copies highlighting the number of computers purchased	View 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: 46.44

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
186.18	104.26	101.04	122.33	146.84

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: 77.89

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
1055	997	1046	1170	1334

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: 74.12

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
782	954	969	1237	1389

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: A. All 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: 49.72

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
201	259	173	195	235

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
204	416	467	551	500

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: 2.42

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
09	06	02	09	00

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: 33

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
23	7	00	00	3

File Description**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: 32.2

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
51	32	00	35	43

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 KITS Alumni Association aims to link the alumni to the institution, develop synergistic plans to support the institution in achieving its vision and enable the institute to add value to all its stakeholders. The Institute established an alumni cell in 1989 to maintain a good linkage between the institute and alumni. The Alumni Association was registered with register no. Nagpur/0000264/2023. The main objective is to enroll all alumni as members of the association and facilitate active participation of the alumni in the related activities, events, and initiatives of the Institute. The alumni association helps in building a network of alumni and helps in being in touch with the corporate world. Every year, Alumni meeting will be hosted by the Alumni association and supported by the Management where the alumni from different programmes are invited to share their views and suggestions on the scope of their respective courses and also to create awareness about the professional world. This paves an opportunity for the alumni to meet other alumni and cherish their past experiences and moments. The Alumni Association provides an avenue for sharing their intellectual, career and professional experience not only with the teachers but also with the present students.

The following are the activities carried out with the help of Alumni.

Curriculum Enrichment: Alumni are involved in curricular gap identification and development of value-added course modules.

Interactive Sessions: The alumni association helps in holding interactive sessions to motivate current students about employability and educational opportunities abroad. They share their opinions on social networks, blogs and forums.

Industry connects: Alumni help in establishing MoUs with industries. The alumni, those who are entrepreneurs, arrange industrial visits to the students and provide inputs on how to start a new venture to turn them into job providers. The Alumni extend their support for student internships.

Research and consultancy: To encourage the students of the Institute and members of the Association for Research and Consultancy to work in various fields like Engineering, Computers, Industrialization, etc. Alumni help the departments by directing the entrepreneurs to carry out consultancy works in various sectors of the engineering stream.

Mentorship: Alumni play an active role in voluntary programs like mentoring students in their areas of expertise. To utilize the rich experiences of old students of the Institute for the benefit. To assist the students in securing suitable jobs.

Placements/ References: The alumni network of an Institute is one of the biggest sources of placement opportunities for students. Alumni can help students in referring to companies and get placed at their

respective organizations. The Alumni conduct mock personal interviews and job-oriented training for the existing students of the Institute.

Generosity: The association also plays a significant role in contributing scholarships to deserving students. Another activity of the Alumni is that they donate plant saplings to maintain the institute's environment green. A major visible additional activity of the alumni is providing donations to the Institute.

Administration: Some alumni are members of IQAC and provide inputs for imparting quality systems.

File Description	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:

To achieve excellence and diversity in technical education and to achieve rapid and inclusive growth Mission of our Institute is as follows.

Vision: To develop the Institute into a center of excellence in professional and technical education.

Mission: To serve the nation by nurturing and developing professional technocrats and managers who would contribute to nation-building.

In line with the vision of the Institute academic policies are decided by the management of the Institute.

Nature of Governance

The confluent approach of the Institute Management, Principal and Faculty develop and implement the quality policy and plans to uphold the mission and vision of the Institute. The Governing Body (GB) is formed as per the rules and ordinance of UGC/AICTE. It is the supreme body, it makes decisions based on the feedback taken from all the Stakeholders. The Governing Council along with the College Development Committee (CDC) guides the effective functioning of the institute as per the guidelines given by various statutory bodies. It works in close collaboration with the Principal to regulate and maintain an amicable and scholastic environment required for this purpose.

Leadership

The institute firmly believes in strengthening the participation of all stakeholders through decentralization & participative management under the leadership of the Principal. Principal along with the Internal Quality Assurance Cell (IQAC) Co-ordinator and Head of Departments plan, lead and implement all the activities of the Institute through various Committees/cells comprising representatives of all stakeholders as members. Management regularly interacts with the Principal to review the implementation of the set goals. The management periodically reviews various academic, administrative and other related functions of the Institute. Consequently, the practice of decentralization and participative management is quite evident at all levels. The Institution has a mechanism for assigning responsibilities and providing operational autonomy to the various functionaries, thereby increasing the efficiency and improving the quality of the system.

Perspective Plans: A 360-degree perspective plan is developed by the IQAC which considers important factors i.e. structure, mechanisms and stakeholders within the system and their capacity to act, their

creativity, the collaboration between them, their confidence and the coherence of the action with other initiatives. The objective is to ensure the quality and imbibe the culture of excellence and focus on the time-bound goals set for academic, administrative, research and development activities. The entire process is based on a participative approach wherein the faculty members and other stakeholders are involved in the development of plans and their efficient execution. The summary is as follows:

Sr. No	Strategic Plan
1	Enhance engagement with Society
2	Diverse Student learning environment
3	Enhance engagement with Industry
4	Improve internal support systems
5	Enhance alumni engagement
6	Contribute to Sustainable Development Goal
7	Implementation of NEP
8	Academic Autonomy and Online Programs

File Description	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:

Yes, the Institute employs strategic planning, as the successful execution of the strategic plan is crucial for the ongoing advancement of the institution. Tirelessly striving to achieve its objectives with meticulous accuracy, the institution emphasizes academic distinction, research and development, faculty development, student career progression and the refinement of assessment and evaluation methods. The institution has a robust strategic plan targeting well-defined goals. This plan is implemented through consistent action plans, daily activities, resource distribution, and the engagement of stakeholders at multiple levels. Periodic assessments of performance and quality indicators offer transparency in realizing the strategic objectives. The Institute has an IQAC to evaluate the progress of the Strategic Plan and institutional policies and to take remedial actions for achieving long-term goals. The perspective plan is designed in consonance with the vision and mission of the Institute.

Functioning of Institutional Bodies

The organizational structure of the institution is headed by the Management. The Governing Body is constituted as per the guidelines of competent authorities. As per the guidelines given by the management, academic and administrative departments are led by the Principal and Head of Departments. The Internal Quality Assurance Cell (IQAC) chaired by the Principal works to monitor the

quality of education in the institution. Various functional committees consisting of staff members and students are categorized under administration, academic, student affairs and Research and Development which are headed by Senior Faculty. These four categories take care of curricular, co-curricular and extracurricular aspects.

A human resource section, student section and account section are headed by the Registrar.

Hostel administration is looked after by the Dean (Hostel) and monitored by the Hostel Warden.

Recruitment Policy

1. The requirement of teaching staff considering the Student-Teacher Ratio / Cadre ratio is calculated as per the norms laid down by AICTE/CoA/RTMNU.
2. The recruitment process through the university and the local selection committee is as per the norms of RTMNU.
3. In case of immediate requirement, faculty recruitment is done by a committee formed by the Principal.
4. The recruitment of technical/non-teaching staff is as per the requirement and recruitment policy guidelines.

Service Rules

It consists of the following clauses:

1. Probation period.
2. Pay-Scale and allowances.
3. Appointment subjectivity as per the availability of workload.
4. Service books are maintained for all the staff.
5. Adhering code of conduct for any other full-time, part-time job, or otherwise.
6. Discontinuation of services in case of non-reporting for a stipulated time, breach of the code of conduct after a proper notice period.

Promotional Policies

Internal promotions are subject to the following aspects:

1. Availability of posts and internal eligible faculties.
2. Previous performance appraisal.

3. Technical compatibilities of faculty for higher posts.
4. Interactions with the Head of Department, Principal and Management.

File Description	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 institute has implemented the following effective welfare measures for teaching and non-teaching

staff of the Institute.

- KITS Employees Welfare Fund (KEWF) provides emergency financial assistance to all employees of Institute in the matters of exigencies
- Maternity and other leaves.
- Concession in school bus fare for wards of the staff
- Incentives to faculty who are pursuing higher studies
- Group insurance, gratuity and provident fund schemes for the employees
- Residential staff quarters facility at subsidized rates
- Concession in tuition fees for wards of the staff
- Incentives to the faculty for publications/presentations in reputed journals/conferences

Faculty Appraisal Process

Faculty members undergo the appraisal process. Every year faculty members of all departments are provided a proforma for self-assessment, which consists of the following details:

- Upgradation in academic qualifications after joining the Institute
- Promotion received if any
- Semester-wise performance about the attendance of students
- Preparation of laboratory manuals
- Performance about engaging theory and practical
- Reading/Instrumental material provided, use of additional knowledge reasons for subject enrichment
- Innovation and contribution to the design of the curriculum
- Project works were undertaken
- Details of research papers published/presented
- Research contribution
- Co-curricular activities undertaken

- Professional development activities
- Extracurricular activities undertaken
- Administrative duties performed either at the Department/Institute level

The confidential report part is filled by the concerned Head of Department (HoD) about the faculty members

Non-teaching appraisal process:

Every year for non-teaching staff of the Institute a proforma (questionnaire) is provided which has to be filled by respective lab in-charges and HoDs. It consists of the following details:

- Educational qualifications
- Punctuality in attending duty
- Ability to work for extra hours with responsibility
- Upkeepment of the lab records
- Level of intelligence as compared with other employees

File Description	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: 6.52

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
11	00	00	07	11

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: 59.24

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
88	110	78	124	52

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
62	63	61	63	69

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:

The major source of income of the Institute is annual student fees. The Institute also tries to mobilize the resources from the other sources as well like,

- Grant received from Government/Non Government agencies
- Donations from alumni and well-wishers
- Consultancy

The institution has a mechanism to monitor the effective use of these funds. The top management has a well-defined procedure to monitor the effective and efficient utilization of available resources for infrastructure development and the teaching-learning process. The following procedure is adopted for the utilization of resources.

Planning: The Head of the department takes a departmental meeting to finalize an annual budget. The laboratory in charge proposes laboratory-wise requirements along with supporting documents as received from the subject teachers. The expenses required for the departmental activities such as organizing cocurricular and extracurricular activities are also included in the annual budget.

Budget Formulation: An annual budget of the department is prepared and forwarded by all the Head of Departments to the Principal for consent. The budgets of all the departments are reviewed by the

Principal. The final consolidated budget is forwarded to the Management Committee for final approval.

Expenses: The sanctioned funds from management are utilized for the development of laboratories, procurement of recurring and non-recurring items etc. In case any additional funds are required for unplanned activities such as attending seminars/workshops/ conferences / technical competitions, then the concerned faculty has to prepare a note sheet stating the details of the importance with supporting documents and submit it to the concerned Head of the Department. Looking at the importance of the requirement, the Head of the Department forwards the note to the Principal. The Principal takes the approval from the Management, and the Principal directs the Head of the Department for utilization of requested sanctioned funds.

Audit: The Accounts Section of the Administrative office verifies the expenses against the sanctioned amount carried out under various institutional/departmental activities from the supporting documents and gives their remarks for the final settlement. Financial audits are carried out in every financial year by the Chartered Accountant to ensure proper utilization of the funds as per the allocation by the management committee.

File Description	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:

IQAC facilitate/ contribute:

- To a heightened level of clarity and focus in institutional functioning towards quality enhancement and facilitate internalization of the quality culture.
- To enhance and integrate among the various activities of the institution and institutionalize many good practices.
- To provide a sound basis for decision-making to improve institutional functioning.
- To monitor the utilization of resources with the accomplishment of academics and administration for affording social responsibilities.
- Organization of workshops, seminars on quality-related themes and promotion of quality circles.

Through the establishment of IQAC, the Institute organizes meetings of IQAC members with the frequency of four in a year, in these meetings, various committees have been formed for academic and administrative activities like teaching and learning methodologies under the student grievance cell, guest lectures on content beyond syllabus by the expert academician/ industry person, signing several MOUs with the industries and institutes, various seminars and workshops for women empowerment and harassment related issues, taking feedback from students regarding academic and administrative facilities, also institute concentrated about student's skills development in curricular as well as extracurricular activities by engaging the students in various paper presentations, conferences, seminars and mini project competitions and various activities and seminars, solving hostel issues for students etc.

To impart quality education to students and to maintain an effective teaching-learning process, a quality assurance cell has been formed.

Due to the Quality Assurance Strategies many quality system has been implemented. Impact of two practices are depicted below

Quality Assurance Processes – Case study 1 - Establish systematic process in academics and administration

- At the beginning of every year, an academic calendar is prepared and circulated among all the stakeholders.
- Meetings with stakeholders are mentioned therein and conducted as per the schedule.
- Class and course committee meetings have been scheduled and conducted. The grievances and the comments given in the meeting have been addressed by IQAC.
- Annual Day and Sports Day are conducted as per the calendar plan.
- Holidays and special working days are also mentioned.
- Counseling schedules have also been scheduled and the comments given in the reports are also addressed by IQAC.
- Online feedback has also been scheduled periodically and collected on time.
- Based on the feedback from students, faculty members have been directed properly to overcome the issues.
- Periodic reviews and audits are conducted by the IQAC.
- Orientation cum Induction programs are organized every year for the young and newly joined faculty members to adapt themselves to the systematic process of the institution.
- Internal assessment tests are periodically conducted as specified in the academic calendar.
- Question papers and answer scripts are audited periodically.

- Course end survey is conducted at the end of every course, to know about the satisfaction level of the teaching-learning process in each subject.

Case Study 2: Faculty Preparation Plan (FPP): Please click the attached docuemnt for detail descriptions.

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: A. Any 4 or more 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
Provide Links for any other relevant document to support the claim (if any)	View Document
Link to Minute of IQAC meetings, hosted on HEI website	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:

To promote gender equity, KITS Ramtek established the Internal Complaint Committee (ICC). All the students are encouraged to participate in various Technical Workshops, Seminars and Sports without any gender discrimination. Dynamic Management is a driving force behind the success of the Institution. Innovative approaches in learning and knowledge acquisition are key factors that are implemented as Institutional Value. KITS Ramtek has provided the platform to women who play key roles in various positions as Head of Departments, and coordinators of various clubs and various central activities.

Safety Measures:

An e-surveillance system with a camera is installed throughout the campus and hostel to monitor the students and for safety purposes. Adequate security personnel are posted around the clock at the gates and inside the campus and girl's hostel. There are separate hostels for boys and girls on the college campus with residential wardens. The hostel has a pre-defined policy for hostelers availing leave during the hostel stay. KITS Ramtek has an effective counseling System. The female students can contact their counselor for any counseling support. The timetable has a counseling period every week where the counselor discusses with students in a group as well as in person. Female students have a common room along with a Girl's restroom. The Internal Complaint Committee aims to empower female students and female faculty to enhance their understanding of issues related to women's safety and hygiene and to make the college campus a safe place for girls and women. The cell has brought advancement, development and empowerment of women through guest lectures, seminars, awareness programs and other welfare activities since its formation.

Celebration of Commemorative Days and Festivals:

Since its establishment, the institution has organized National Festivals and Birth and Death Anniversaries of great Indian Personalities. KITS Ramtek celebrates these events with great enthusiasm to commemorate the ideology of nationalism and to pay tribute to our great National Leaders. Gandhi Jayanti is celebrated every year on 2nd October to understand the ideology of our great leader. Mahatma Gandhi. Engineers' Day is celebrated on September 15th, marking the birthday of Sri Mokshagundam Vishveswarayya. Teachers' Day is celebrated on the birth anniversary of the 2nd President of India Dr. Sarvepalli Radhakrishnan. The Institute celebrates International Yoga Day by conducting a camp or workshop on how Yoga embodies unity of mind and body. Keeping its Indian values intact, the college imparts the right kind of education based on moral values and ethics which makes our students responsible global citizens. 15th August Independence Day is celebrated every year with patriotic fervor.

The air is filled with patriotic feelings that are emitted from Pared and the Band of NCC cadets. NSS, the NCC wing of the institute organizes programs on commemorative days like Martyrs' Day and Kargil Divas.

Regional Festivals like Holi, Diwali, Lohari and Navratri are celebrated to enable present-generation students to be in touch with our rich traditions and customs and also to encourage the aspect of National Integration.

File Description	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:

India is a diverse country in the world. Students will remember an important day only if they are told what the occasion signifies. Celebrating events and festivals in our Institute has become an integral part of learning and building a strong cultural belief. These celebrations bring the students closer to each other's traditions and cultural beliefs and develop respect and understanding for each other's customs and traditions. There are three types of celebrations namely seasonal, national and religious.

The objectives of celebrating these festivals are:

- National festivals will heighten the patriotic spirits in students, enabling them to grow into better citizens.
- Celebrating a seasonal festival changes students' attitudes towards Mother Earth and nature.
- Religious festivals teach students about the importance of family, tradition and values. It gives an insight into the culture and its principles.
- International festivals will create an increased cheerful ambiance and deepen the bonds with other races. It provides an inclusive environment for everyone with tolerance and harmony towards cultural, regional, linguistic, communal socio-economic and other diversities.
- Different sports and cultural activities organized inside the Institute promote harmony towards

each other.

- India is a diverse country where people belonging to various cultural backgrounds reside. Therefore, all through the year, institute witnesses a variety of festivals and occasions.

A few celebrations are,

Gandhi Jayanti Celebration: This day is celebrated as the “International Day of Nonviolence” worldwide. The main objective of celebrating this day is to remember the man who showed the world that nonviolence is an effective and lasting way of defeating injustice. He is a great inspiration for truly embodying the principles of tolerance and peace. On this day students and staff participate in Swach Bharat Abhiyan and carry out cleaning in and around the Campus.

Communal and Socio-Economic Diversities: The Institute runs distinctive events like rallies to support an environment that unites the diverse student populations. Every year, a blood donation drive is held in association with a blood bank from Nagpur. The Institute offers free medical camps to neighboring villages through the NSS camp. KITS organized a COVID Vaccination Drive camp on the college premises in association with the government's primary health center. NSS volunteers collect groceries and clothes during Diwali to cater to the needs of poor people and celebrate in old age homes. The NSS conducts tree plantations, cleaning in the local area and plastic cleaning activities. Safety Aid Programmes are conducted for students, teaching and nonteaching staff members. Health awareness camps and seminars, road safety awareness camps, and green and energy initiative awareness rallies are conducted by NSS and NCC.

File Description	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 Practice-I

1. Title of the Practice: Green Campus

2. The Objectives:

? To support a sustainable and climate-friendly environment.

? To use sustainable energy and energy efficient measures

- ? Comprehensive recycling, composting and green landscaping on the campus.
- ? Environmental awareness and education
- ? To promote sustainable practices within society.

3. The Context:

Keeping the growing ecological concerns in mind, there is a dire need for immediate action to be carried out and promote eco-friendly practices. The Institute firmly believes that, when it comes to environmental conservation, awareness must be followed by sustainable practices. The Green Campus program aims to ensure sustainable water, material, and resource sustainability for future generations. The institute has implemented initiatives to reduce carbon footprint and promote greener practices.

4. The Practice:

Institute has promoted a variety of activities to help protect the environment and sustain its natural resources.

- ? Solar Energy
- ? Waste Recycling
- ? Rainwater Harvesting
- ? Restricted entry of automobile
- ? Battery Driven automobiles
- ? Ban on the use of Plastic
- ? Landscaping with trees and plants

Solar energy: The Institute has installed 250 KVA rooftop solar panels and by linked them with the existing Maharashtra State Electricity Board grid system. Solar streetlights and solar water heaters are used on campus.

Rainwater harvesting: The Institute is steadily working towards the creation of an infrastructure to facilitate rainwater harvesting on a large scale.

The Institute is developing infrastructure for rainwater harvesting, including rooftop systems at Administrative Building, IT Building, and Triveni hostel. Recharge wells, bore wells, and recharge ponds are being initiated to improve groundwater levels. Green grounds and stormwater drains are also being installed to allow rainwater to percolate through the soil.

Vermicomposting: The infrastructure for vermicomposting has been successfully installed on campus and the product is used for plants on campus.

E-waste management: Repairing and recycling of laptops, computer hardware and projectors is encouraged. Some departments use overhauled computer peripherals and laptops as a part of this process. Disposal of unusable hardware is achieved through buy-back policies and the money is utilized to get new and upgraded equipment.

Bio-gas: Bio-gas plant is established near a mess in which kitchen waste is used.

Green Campus: The Institute has planted various trees and herbs throughout the campus and developed lawns all around the buildings and roads. The campus harbors a diverse amount of flora and fauna.

5. Evidence of Success:

- Vermi compost generated from campus is sufficient and no additional fertilizers are required.
- Waste generated in offices, classrooms, hostels, staff quarters, mess and canteen is collected from the dustbins placed at different locations.
- Solar panels are installed and in the long run, can play an important role as a renewable energy source.
- Due to Rainwater harvesting the groundwater table is increased and no scarcity of water on campus.
- The total number of plants on the campus is 35867 plants in total till date, with a lawn area of 1,17,130.56 ft.
- The institute has Green Audit, Energy Audit and ISO 14001: 2015 Certification.

6. Problems Encountered and Resources Required:

- The initial cost of solar is very high.
- Maintenance of plants with regular watering is a challenge to overcome by the laborers.
- The maintenance budget is increased due to lawn and plantation.
- The challenge lies in translating sustainable development education into practice, considering economic, social, and environmental conditions.
- Strong will of Faculty, students and stakeholders.
- Green Campus initiatives are challenging, so they require determination and a long-term commitment.

Best Practice-II

1. Title of the Practice: Student Counseling

2. The objective of the Practice:

- For all round development of Students.
- To guide the students with day-to-day issues or issues related to their academic performance.
- To inculcate problem-solving and decision-making abilities in the students
- To make the students self-confident and self-reliant, so that they can deal with the different issues they are likely to face in the future.
- To create better understanding between students and teachers this helps in creating a harmonious atmosphere in the Institute.

3. The Context: For students to learn at their peak capacity, they need to be physically, emotionally, intellectually and spiritually well. In today’s era of cutthroat competition, students often suffer from stress and become depressed easily either for academic reasons or for other personal problems. To help students resolve their issues related to personal, academic or any other issues, counseling students is a requirement of the day and time. Since the Institute has the responsibility to build and develop the personality of the students; Counsel the students to raise their self-confidence and develop positive attitudes.

4. The Practice: The main focus of the counselor is to understand the problems or issues of the students and develop their mindset so that they resolve issues in the right way. They provide guidance to 15-20 students per counselor, maintaining attendance registers. Counselors discuss students' problems related to studies, hostels, curricular activities, and health. They send progress reports and attendance to parents after mid-examinations, ensuring students' understanding and relevance in outdated subjects.

After completing their degree, students receive a character certificate based on their counselor's report. Counseling helps addressing issues like depression, anxiety, and addiction. Many students struggle with low self-esteem, leading to anxiety and addiction. The Institute establishes individual and group counseling systems to address these issues. Counselors maintain student profiles, which guardians use to understand their emotional, academic, and personal aspects. This data helps in designing appropriate curriculum and addressing students' social and emotional needs.

5. Evidence of Success

The counseling practice in our institution has effectively addressed student difficulties, with individual counseling positively impacting academic performance. The number of sessions correlates with academic performance, reducing detention rates, increasing student participation in extracurricular activities, enhancing communication, and improving competitive examination performance.

6. Problems Encountered and Resources Required

Counselors face challenges with students due to introversion and poor educational backgrounds, often from rural areas. Parent meetings are lukewarm, contact numbers are frequently changed, and progress reports are sent through postal or SMS facilities.

File Description	Document
Any other relevant information	View Document
Best practices as hosted on the Institutional website	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:****Transforming the Rural, Social, and Economically Backward Students to employable professionals**

Raw materials are processed and converted into useful products by various methods. In the due course of time, several hurdles may occur. Nevertheless, the continuous process will always be productive. The development of the nation is possible through the proper utilization of human resources with advanced technologies. Learning opportunities shall be given to everyone, irrespective of their location, community, and financial status. With this motto, Kavikulguru Institute of Technology and Science was established in 1985 with a vision of making technical education accessible to the rural community for whom technical education was far from reach. In 21st century, with the growth of micro and nucleus family culture, it is essential to inculcate ethical and moral values from young age which is the prime duty of educational institutions. We have the multidisciplinary programs in the area of engineering technology and architecture.

The distinctive area of the institute is socio-economic upliftment of rural students through quality education. Since the establishment of the institute, it has successfully been marching ahead and taking efforts endlessly for the betterment of socio-economically backward section of the society. The institute has been playing a pivotal role in the development of such students through the means of education. Around 80-90% students enrolled in the college belong to economically & socially backward section of the society. The students from such category have been benefited from the quality education provided by the college & attained the top positions in academic, social, cultural, sports etc. areas.

The mission is accomplished by adopting certain practices that continue to increase with the institute's progress. The management's primary focus was on the development of robust physical infrastructure. Extensive lawns and landscape gardening were done to enhance the aesthetic appeal of the place. This was the first step towards creating a tranquil ambiance for inspiring creativity. Subsequently, spacious academic and administrative buildings, an indoor sports complex, outdoor courts for various games, a canteen, gymnasium, Bank, post office, ATM, Departmental store, Staff quarters, separate hostel accommodation for boys and girls, amenities like common rooms, health care center etc were all built to create a platform for students to work and realize their potential.

The management is uncompromising in the creation of facilities. To reinforce the learning environment, the following academic facilities were created:

- Laboratories with advanced equipment
- Classrooms with good ventilation and that are ICT enabled.
- An open-access computerized library with sufficient content for exploration.
- Wi-Fi and internet connectivity which is a much-needed tool for the present times.
- Membership in professional bodies for external linkage. National and international forums & chapters like IEEE, ISTE, IETE
- MoUs with external training agencies for enhanced learning.
- Strong Training and Placement cell.
- Department associations to help strengthen technical skill sets.
- Field projects and internships. A key point of focus was pooling the human resources to help students in their progress.

The management made all-out efforts to pool qualified faculty and technical trainers for effective laboratory teaching and created all the facilities for them to make the teaching-learning process effective. The practices that exist in the Institute are:

- Facilitating faculty with access to Wi-Fi, Internet and ICT-enabled classrooms.
- Encouraging faculty for higher education in-service.
- Mentoring responsibility.
- Providing access to e-resources and reference books as required.
- Encouraging to conduct and participate in workshops/seminars/conferences by providing financial support.
- Encouraging publications through incentives.
- Involving staff in participative management such as the institute's academic advisory, governing body, technical fests, grievance redressal, anti-ragging committee and Internal complaint committee.
- Supporting in extension activities carried out by faculty.
- Compensating extra working hours through compensatory casual leaves and flexibility in leave sanctioning.
- Facilitating staff in carrying out 'beyond the curriculum teaching'.

Several student support systems were established in the institute to provide value-based living. Some systems that contribute to this are:

- NSS and NCC units to help establish campus-community linkage and inculcate values of social responsibility and nationalistic feelings.
- Absence of gender discrimination on campus.
- Effective student counseling system to help in addressing personal and professional problems.
- Effective implementation of effective feedback system for enhancement of quality in teaching.
- Registered alumni association as a suggestive and motivating system to make the institute lively.
- Availability of resources for sports & games, yoga training, gymnasium for physical and mental alertness
- The presence of a Puja room in the premises adds a spiritual dimension to the campus.
- Effective implementation of all value-added courses that bring transformation in students.
- Presence of an internal communication system of suggestion boxes on the premises.
- Organization of national level techno-cultural fest TECHNODION to help interact with students from other institutes across India.
- Educational study tours, field visits and industrial tours for real time exposure.
- The Institute has constituted most regular student awards which will be awarded during the annual prize distribution ceremony.
- The Institute focuses on the completion of a 100% syllabus with remedial classes and extra classes if required.
- Departmental forums and associations help to develop socializing and academic skills.
- Responsive supporting staff who make the campus a comfortable learning and living environment.
- The Institute practices departmental reviews for academic progress. The gaps are identified through healthy deliberations and are addressed with immediate effect to sustain the quality of education.

File Description	Document
Any other relevant information	View Document
Appropriate web in the Institutional website	View Document

5. CONCLUSION

Additional Information :

Kavikulguru Institute of Technology and Science (KITS), Ramtek established in 1985 is a self- financed and non minority Engineering Institution managed by Vodithala Education Society, Hyderabad which has a vision of providing quality technical education in rural areas. The Institute is well known for its commitment to discipline, providing quality education, concern for the society and environment. Students are sensitized towards social and environmental issues through National Service Scheme (NSS), National Cadet Corps (NCC) and many other forum activities. The objective is to unleash human potential within the students to be excelled in their chosen fields.

While the Institute always focuses on keeps its vision and mission, it is also aware that these are organic and must reflect with changing times. An institution must evolve with changing needs and aspirations of students. The Institute is very much focussed on quality Education System. It is our constant Endeavour to improve and enhance our policies, practices, and processes to provide a learning environment conducive to holistic development to create an evolved sensitive and sensitized citizenry. Innovation and research, development of hard skills and soft skills go hand in hand likewise physical fitness and mental and emotional balances are equally important.

The Institute is one of the recognized remote centers of IIT Bombay and IIT Kharagpur under National Mission Education through Information and Communication Technology (NMEICT), Ministry of Human Resources Department (MHRD). The Institute is associated with IIT Bombay and received grant of Rs.1 Lac for Akash project center and is an Institutional member of 'Oracle Academy Computer Science Club'. The Institute has received the Ideal Principal award by Rashtrasant Tukadoji Maharaj Nagpur University (RTMNU), Nagpur and also the Best Infrastructure in Maharashtra award by All India Technical and Management Council, New Delhi.

The Institute is the Educational Institution member of CSI. The Institute has received the permanent affiliation by RTMNU Nagpur in 2015. The Civil Engineering department received the Department of Atomic Energy funding in 2015. Civil Engineering and Mechanical Engineering departments got recognition for Research center by RTMNU, Nagpur.

Concluding Remarks :

The Institute follows the well defined administrative set up according to the norms of regulatory bodies like RTMNU, AICTE and Government of Maharashtra. The governing Body frames the policies to be implemented in the Institute by the Principal through Deans, Associate Deans and Heads of the Departments. Feedback on the governance of the Institute is called from the various stake holders and is communicated to the authorities of the Governing Society through the Principal.

Many best practices related to the students and staff benefit are followed by the Institute like complete syllabus coverage, incentives for regular attendance in classes. Faculty and students are encouraged for participation in research activities with suitable rewards during Annual Day Celebrations. Many Associations and the Clubs are formed for encouraging the students to actively participate in co-curricular and extra co-curricular activities. Training and Placements activities in the Institute are looked after by the dedicated Training and Placement Cell. There are couples of committees for the redressal of grievances of the employees and students. The

Institute also has the registered Alumni Cell. The faculty interacts with students and the university bodies for syllabus upgradation.

Proactive and generous management, dedicated and committed staff, hard working students and supporting external stake holders have contributed to the growth of the Institute over last three decades. The next goals of the institute are to get the NBA accreditation and also to obtain the autonomy so as to get the academic flexibility to attain student centric learning.

6.ANNEXURE

1.Metrics Level Deviations

Metric ID	Sub Questions and Answers before and after DVV Verification																														
1.2.1	<p>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)</p> <p>Answer before DVV Verification :</p> <p>Answer After DVV Verification :35</p> <p>Remark : Value updated</p>																														
1.4.1	<p><i>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</i></p> <p>Answer before DVV Verification : A. Feedback collected, analysed, action taken& communicated to the relevant bodies and feedback hosted on the institutional website</p> <p>Answer After DVV Verification: A. Feedback collected, analysed, action taken& communicated to the relevant bodies and feedback hosted on the institutional website</p>																														
2.1.1	<p>Enrolment percentage</p> <p>2.1.1.1. Number of seats filled year wise during last five years (Only first year admissions to be considered)</p> <p>Answer before DVV Verification:</p> <table border="1"> <thead> <tr> <th>2022-23</th> <th>2021-22</th> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table> <p>2.1.1.2. Number of sanctioned seats year wise during last five years</p> <p>Answer before DVV Verification:</p> <table border="1"> <thead> <tr> <th>2022-23</th> <th>2021-22</th> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> </tr> </thead> <tbody> <tr> <td>410</td> <td>410</td> <td>410</td> <td>410</td> <td>570</td> </tr> </tbody> </table> <p>Answer After DVV Verification :</p> <table border="1"> <thead> <tr> <th>2022-23</th> <th>2021-22</th> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> </tr> </thead> <tbody> <tr> <td>428</td> <td>428</td> <td>437</td> <td>446</td> <td>642</td> </tr> </tbody> </table>	2022-23	2021-22	2020-21	2019-20	2018-19						2022-23	2021-22	2020-21	2019-20	2018-19	410	410	410	410	570	2022-23	2021-22	2020-21	2019-20	2018-19	428	428	437	446	642
2022-23	2021-22	2020-21	2019-20	2018-19																											
2022-23	2021-22	2020-21	2019-20	2018-19																											
410	410	410	410	570																											
2022-23	2021-22	2020-21	2019-20	2018-19																											
428	428	437	446	642																											
2.1.2	<p><i>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</i></p> <p>2.1.2.1. Number of actual students admitted from the reserved categories year wise during last five years (Exclusive of supernumerary seats)</p> <p>Answer before DVV Verification:</p> <table border="1"> <thead> <tr> <th>2022-23</th> <th>2021-22</th> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> </tr> </thead> <tbody> <tr> <td>174</td> <td>125</td> <td>107</td> <td>103</td> <td>171</td> </tr> </tbody> </table>	2022-23	2021-22	2020-21	2019-20	2018-19	174	125	107	103	171																				
2022-23	2021-22	2020-21	2019-20	2018-19																											
174	125	107	103	171																											

Answer After DVV Verification :

2022-23	2021-22	2020-21	2019-20	2018-19
174	123	107	103	171

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

Answer before DVV Verification:

2022-23	2021-22	2020-21	2019-20	2018-19
205	205	205	205	285

Answer After DVV Verification :

2022-23	2021-22	2020-21	2019-20	2018-19
214	214	218	223	321

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)

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)

Answer before DVV Verification:

2022-23	2021-22	2020-21	2019-20	2018-19
2.0	4.509	11.83	00	00

Answer After DVV Verification :

2022-23	2021-22	2020-21	2019-20	2018-19
2.0	4.509	10.87	00	00

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
10	07	06	02	06

Answer After DVV Verification :

2022-23	2021-22	2020-21	2019-20	2018-19
05	03	04	01	01

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
24	11	32	05	01

Answer After DVV Verification :

2022-23	2021-22	2020-21	2019-20	2018-19
3	1	2	0	0

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
16	09	00	10	12

Answer After DVV Verification :

2022-23	2021-22	2020-21	2019-20	2018-19
14	8	00	10	12

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 :26

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

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

Answer before DVV Verification : 438

Answer after DVV Verification: 438

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
23	07	00	00	03

Answer After DVV Verification :

2022-23	2021-22	2020-21	2019-20	2018-19
23	7	00	00	3

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
51	32	00	35	43

Answer After DVV Verification :

2022-23	2021-22	2020-21	2019-20	2018-19
51	32	00	35	43

6.2.2 Institution implements e-governance in its operations

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

Answer before DVV Verification : A. All of the above

Answer After DVV Verification: A. All of the above

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
---------	---------	---------	---------	---------

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
62	63	61	63	69

Answer After DVV Verification :

2022-23	2021-22	2020-21	2019-20	2018-19
62	63	61	63	69

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**

Answer before DVV Verification : A. 4 or All of the above

Answer After DVV Verification: A. 4 or All of the above

2.Extended Profile Deviations

ID	Extended Questions																				
1.1	<p>Number of teaching staff / full time teachers during the last five years (Without repeat count): Answer before DVV Verification : 166 Answer after DVV Verification : 158</p>																				
1.2	<p>Number of teaching staff / full time teachers year wise during the last five years</p> <p>Answer before DVV Verification:</p> <table border="1"> <thead> <tr> <th>2022-23</th> <th>2021-22</th> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> </tr> </thead> <tbody> <tr> <td>81</td> <td>67</td> <td>84</td> <td>95</td> <td>131</td> </tr> </tbody> </table> <p>Answer After DVV Verification:</p> <table border="1"> <thead> <tr> <th>2022-23</th> <th>2021-22</th> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> </tr> </thead> <tbody> <tr> <td>75</td> <td>67</td> <td>84</td> <td>95</td> <td>124</td> </tr> </tbody> </table>	2022-23	2021-22	2020-21	2019-20	2018-19	81	67	84	95	131	2022-23	2021-22	2020-21	2019-20	2018-19	75	67	84	95	124
2022-23	2021-22	2020-21	2019-20	2018-19																	
81	67	84	95	131																	
2022-23	2021-22	2020-21	2019-20	2018-19																	
75	67	84	95	124																	
2.1	<p>Expenditure excluding salary component year wise during the last five years (INR in lakhs)</p> <p>Answer before DVV Verification:</p> <table border="1"> <thead> <tr> <th>2022-23</th> <th>2021-22</th> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> </tr> </thead> <tbody> <tr> <td>342.73</td> <td>237.02</td> <td>234.72</td> <td>291.05</td> <td>317.07</td> </tr> </tbody> </table>	2022-23	2021-22	2020-21	2019-20	2018-19	342.73	237.02	234.72	291.05	317.07										
2022-23	2021-22	2020-21	2019-20	2018-19																	
342.73	237.02	234.72	291.05	317.07																	

Answer After DVV Verification:

2022-23	2021-22	2020-21	2019-20	2018-19
342.73	237.02	234.72	291.05	317.06