



SELF STUDY REPORT

FOR

1st CYCLE OF ACCREDITATION

**KBS'S COLLEGE OF ENGINEERING &
TECHNOLOGY NORTH MAHARASHTRA KNOWLEDGE
CITY JALGAON**

**GAT NO.166, IN FRONT OF KBC NORTH MAHARASHTRA UNIVERSITY MAIN
GATE, NATIONAL HIGHWAY NO.6, BAMBHORI, JALGAON**

425001

www.nmkcj.org.in

Submitted To

NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL

BANGALORE

June 2023

1. EXECUTIVE SUMMARY

1.1 INTRODUCTION

We North Maharashtra Knowledge City, College of Engineering & Technology, Jalgaon offering Engineering Courses for the Undergraduate Programme approved & recognised by AICTE, DTE Maharashtra Affiliated to Dr. Babasaheb Ambedkar Technological University, Lonere Raigad. Our Prime aim is to provide competent technical education to the rural students (as we are situated in the rural area near to the city and tehsil.) and make them able professionally to meet their day to day basic needs.

At present, Institute offers four undergraduate (UG) engineering programs, namely Computer Engineering, Electrical Engineering, Civil Engineering and Mechanical Engineering. Total intake capacity of institute is 120 students at UG level. The main objective of the Institute is to develop entrepreneurs and quality engineer with competence and character, to become extra ordinary in the present technological scenarios of globalization, who will contribute to techno and socioeconomics development of country. For this the Institute has introduced various value added and training Programs conducted by industry expert. Active MOU's have been signed to provide internship in industries. Institute also focus on multi-dimensional development of students by encouraging them to participate in co-curricular and extra – curricular activities at local and national level. The Institute is working hard to bring various MNC's for campus placements with better salary packages. Institute has excellent academic environment and hands on training programme for nurturing good quality technical education among the budding engineers. This resulted into more placements and Institute is keen to arguments it further. Institute is quite self –assured for nurturing of all students as a young bright, dynamic, talented and professional technocrats along with responsible gentle citizen.

Vision

To become an institution of national repute that will create professionals with global competence, entrepreneurs with high motivation for the development of the society.

Mission

- To impart quality education through comprehensive curriculum and effective Teaching-Learning Process.
- To enhance career opportunities through Institute-Industry collaboration
- To promote Conducive Environment for Teaching Learning and overall personality development
- To inculcate ethics, sense of discipline and responsibility towards society.

1.2 Strength, Weakness, Opportunity and Challenges(SWOC)

Institutional Strength

1. Multifaceted Leadership & Supportive Parent Society
2. Lush neat & green campus of 10 acre with pleasant & pollution free environment
3. Modern infrastructure with state of art laboratory, ICT enabled classroom, sport facilities, gymnasium etc. which meet the curriculum objectives as specified by the affiliating & other Apex Bodies.
4. ISO certified 9001:2015.
5. Strong mechanism to solve the problems of stake holders with tutor-mentor system
6. Good retention ratio of faculty in core branches
7. In and off campus placement involvement.
8. Institutes motivates the faculty for qualification up gradation.
9. Regular salary of all teaching & non-teaching staff even in pandemic periods salaries were reimburse
10. Conduction of co-curricular & extracurricular activity along with academics.
11. MoUs with industries
12. Collages conducts activity seminar /webinar workshops to fill the gap between academics and current industry needs
13. Consultancy work is practised.

Institutional Weakness

1. College is situated in the rural area the students admitted are generally lacks in soft skills as well as computer literacy.
2. Least percentage of educated parental background.
3. Adherence to curriculum given by affiliating university creates gap in industry expectation.
4. Consultancy work needs improvement.
5. Funded research projects yet to be undertaken.
6. Least enrollment in the First Year.

Institutional Opportunity

1. Opportunities are lying in solving the problems of rural artisans and farmers by providing enabled technology.
2. Consultancy & research activities can be extended with MNCs & industry with intercommunicating, teleworking & free-lance.
3. Placement can be improved with the help of Alumni Network.
4. Govt. Initiative like make in India, Digital India, Smart cities can be used to enhance entrepreneurship & job opportunities.

Institutional Challenge

1. Meritorious students' enrollment.
2. Outsourcing of good students to metro cities.
3. Arise R&D interests among students and the faculty.
4. Placement with high perks and incentives.
5. Examination orientedness and marks centered learning approach
6. Versatile Development in Soft as well as hard skills to meet industry demands.

1.3 CRITERIA WISE SUMMARY

Curricular Aspects

The institute of Khandesh Bahuuddeshiya Sanstha's College of Engineering & Technology, North Maharashtra Knowledge City, Jalgaon is affiliated to North Maharashtra University, Jalgaon and Dr. Babasaheb Ambedkar Technological University (DBATU), Lonere. It follows curriculum prescribed by the affiliating university which gives a tentative calendar about start and end of the semester. Principal initiate to develop strategies for effective implementation of the curriculum and prepares the academic calendar.

For smooth conduction of day to day academic activities, Teachers are encouraged to impart the curriculum through student centric learning methods such as lectures, presentations, assignments, peer learning, remedial lecturers, laboratory sessions, workshops, seminars, projects, industrial visits, etc. and modern teaching aids such as use of PPT presentation, videos in addition to the regular/traditional chalk and talk methods. In addition to the curriculum, exposure about the latest developments and trends in their respective fields are given by arranging guest lectures, industry expert sessions and industrial/field visits etc. Periodical feedback is obtained from the students on aspects of teaching-learning. It includes review of teaching plan, execution schedule, follow-up of syllabus coverage, feedback about teaching quality and action taken, organization of value-added courses and guest lectures. Internal continuous assessment is done for all courses with Project and Seminar based on performance of students at Mid Semester Examination, class tests and oral examinations the parameters used for assessment of assignment are well defined and documented.

Curriculum is revised at regular time intervals. The institute collects consistent feedback from all stakeholders like students, Teachers, Alumni and Employers.

The proposed suggestions are analyzed and the recommendations are communicated to the affiliating University through Dean. A present curriculum includes the topics such as environmental studies, safety, security, ethics, social awareness, humanity and social science, professional code of conduct.

Active student association attach department regularly conduct various activities/programs like "Yoga Day", "Constitution Day", "Engineer's day", "World Women's Day", "Tree Plantation Program", "Nirbhay Kanya Abhiyan", "Swachh Bharat Abhiyan" and many more. The programs are organized to educate people on various issues like Water Conservation, gender equality and Road Safety, voting right awareness etc.

Teaching-learning and Evaluation

KBS's COET NMKC Institute takes initiatives to assess learning ability & level of the students through induction program, performance in various examinations conducted in institute. Based on this evaluation special activities are undertaken as per need. The faculty provides students a platform to explore independently, learn through experiential, participative, individual and from their peers, also guides them to develop effective and lifelong skills through industrial visits/MoUs. Provisions of ICT Tools additional library facilities with digitization are made available to students. Utilization of resources like Virtual laboratories, NPTEL, YouTube, PPTs, CDs, E-Journal, E-Books etc., to enhances effectiveness of teaching learning process. Innovative teaching approaches such as proactive methods, digital social learning platform, etc., are adopted by faculty members. Institute takes due care to provide required training and resources to the faculty members for implementing such innovative practices though seminars, STTPs, workshops etc. Institute, committed to provide quality education to students, has sufficient number of well qualified, competent, experienced teachers. Institute closely follows all the examination reforms and the time line scheduled by DBATU. The evaluation process is transparent and efficient and is well known to students. Various innovative formative and summative assessment tools aiming at multidimensional development of student are implemented regularly. Well defined committee is formed for addressing grievances. Tutor/Guardian mentee system is well defined to resolve student's graveness and other issue. Overall performance and skills acquired are considered for measuring effectiveness of teaching learning process outcomes. The evaluations and stake holders' feedbacks are analyzed and reviewed for further planning and overcoming experienced barriers in learning.

Research, Innovations and Extension

The KBSS COET has devised a well-defined policy for promotion of research for the faculty and researchers. A KBSS COET is the institute to facilitate and promote research has been established. Departmental laboratories are equipped with all necessary facilities which is accessible to researchers from campus and affiliated colleges has been developed. In addition, individual all departments are also well equipped with research facilities. The basic research facilities provided by college. The college faculty have published around many research papers in peer reviewed/reputed journals most of them having high-impact factor, 3 books published by faculty. Faculty have organized, participated and presented their research work as well as delivered invited talks in numerous national and international conferences/seminars/workshops. The college has established strong associations and has entered into MoUs with many national academic and research institutes. KBSS COET has 14 active MOU with different research and industrial institutes. With the help of research and industrial institutes there is exchange of innovation and research ideas between industrial research person and academic researchers. The KBSSCOET is actively involved in extension; training and outreach activities like gender equity, road safety, Swachha Bharat, eco-consciousness, literacy-drive etc. and ICT enabled teaching. KBSS COET celebrates National and International days of significance, promotes national integration, tree plantation programmes etc. volunteered by the faculty and college campus students. Student and teachers are actively involved in development of society. Student and teachers actively participated in tree plantation. Educational awareness program for Adivasi. College staff & students has great affection with the society. Example of this cause is that in the year of March 2018 students and staff donates food and water tank to the Lilai hostel students. Lilai staff and students appreciate the KBSS COET students and staff.

Infrastructure and Learning Resources

The Institute has a policy for creation and enhancement of infrastructure in order to promote a good teaching

learning environment. It includes the total area of 10 acres of land that ensures adequate availability and optimal use of physical infrastructure for teaching and learning activities in accordance with AICTE norms.

Classrooms: College encompasses 17 numbers of well-furnished, well ventilated, spacious classrooms for conducting theory classes.

Technology Enabled learning facility: The College has 5 ICT Classrooms where the provision of Multimedia learning, Wi-Fi connectivity and internet access is provided.

Seminar Hall: The college has a 132 square metre seminar room with a projector and an internet connection. The institute frequently hosts national and international seminars and workshops in these halls. The students are encouraged to actively participate in group discussions, paper presentations, etc.

Laboratories: The College has 41 laboratories. All laboratories are well-equipped with cutting-edge machinery and amenities. All laboratories were set up in accordance with AICTE standards.

Computing Equipments Adequate number of servers, 170 computers, 10 printers and 5 scanners, Six LCD projectors, two Xerox machine are available in the institute.

Wi-Fi: The entire campus is Wi-Fi enabled with 24/7 internet facility to the students and staff. Available bandwidth: 70 mbps.

Central Library: A 400 square metre space is covered by the library. E- Granthalaya software is available in the library. The Library has a DELNET subscription, giving it access to 860 e-journals for engineering and technology as well as 10839 free E-books in 709 categories. The library has 1003 titles and 5713 volumes covering Engineering.

Sports: College has playground for outdoor games for playing cricket, Volley Ball, kabbadi etc. Also college has indoor game hall for playing Table tennis, Chess, Carrom etc. 12 CCTV cameras are used to monitor the entire campus, and 7 of them have just been updated at the central/admin level. **Maintenance of Physical and Supporting Facilities:** Civil infrastructure, routine maintenance of the electrical system, water supply, gardens and landscaping, a lab or library, sports, or computers.

Student Support and Progression

Students are the institution's main stakeholders, and it is implementing progressive steps like student empowerment, inclusive practises, and skill development that are supportive of and centred on students. The institution has a good system in place for notifying students about different scholarship and freeship programmes. The average number of students that receive government. For students from low-income families, the institute runs a programme called NMKC Scholarships. To address student complaints, the institute includes a number of committees, including an anti-ragging committee and a student grievance committee. Numerous activities, including expert lectures, industrial visits, workshops, and seminars, are added to the teaching-learning process to expose students to real-world practical issues.

After graduation, students are made aware of a variety of opportunities including GATE, MPSC, and UPSC. For the purpose of entrepreneurship growth and career guidance, several training sessions are held. The institute is developing a strategy to have qualified faculty for the advancement of all stakeholders. The remaining as an

entrepreneur and other students inspired for higher education, competitive & civil service exams. More placements were made as a result, and the institute is eager to argue this point further. The institute is quite confident in its ability to develop each student into a young, brilliant, energetic, talented, and professional technocrat as well as a gentle, responsible citizen.

The Training and Placement Cell is crucial in providing students with expert lectures and training sessions. students enroll in higher education, number of are hired through on- and off-campus recruitment drives in all levels of industry, and other students go on to become prosperous entrepreneurs. The Institute hosts a number of co-curricular and extracurricular activities in cultural and athletic events like "Knowledge Utsav," which ultimately aid the students in showcasing their potential. At the intercollegiate level, our students have participated. The college's graduates have actively participated in a variety of occasions, either as resource people, judges, or extracurricular activity organisers.

Governance, Leadership and Management

NMKC is continuously working for the all-round development of the students as per the guidelines of regularity authorities. NMKC is in pursuit to achieve the stated vision statement by striving hard to meet the mission statement. NMKC satisfies the need of society by providing value-based universal education of engineering and technology for creating multifaceted engineers. The governance comprising of GB, CDC, Principal, and HOD s plays a significant role in the evolutionary reforms towards positioning NMKC as one of the best institutes

NMKC believes in promoting a culture of delegation of powers through strategic policies. The Principal is assisted by HoDs, Administrative heads, Section in-charges, and coordinators of various cells in the decision-making process at NMKC. IQAC has a well-developed process to ensure quality benchmarks and has framed the quality policy for academic and administrative activities. NMKC has a perspective plan developed by the Principal and HoDs with suggestions of IQAC under the guidance of GB. Deployment of the quality policy is done by providing excellent academic infrastructure, a beneficial learning environment, and harmonious work culture. Student surveys and feedback from all the stakeholders play a vital role in framing policies. The faculty is the backbone of the institute. NMKC recognizes the importance of the dedicated faculty for realizing its vision. NMKC has an HR policy for recruitment of competent faculty. Faculty are encouraged to qualification enhancement and carry out consultancy activities. Performance appraisal of faculty is done annually. Fair representation of women is ensured at all levels of organization and their safety and security are given the top priority. All planning and activities related to financial matters are managed by central account section of the parent society. Based on requirement of various HoDs, accounts section prepares the budget and makes provisions for all academic and administrative activities. After approval of GB, budget is allocated to respective sections/departments. Reserve and corpus fund is maintained as fixed deposit by NMKC. In case of a deficit of financial resources parent society supports. Management has appointed financial consultants and auditors for statutory auditing and monitoring of financial transactions.

Institutional Values and Best Practices

KBS's COET NMKC is committed to respecting equality and diversity in everyone for age, gender, race, cultural background, learning level, experience, skills, beliefs, and sexual orientation. KBS's COET NMKC Grievance committee and feedback system always cater to any such issues on a priority basis and take necessary actions whenever required. To promote gender equality, KBS's COET NMKC provides equal

opportunity to male and female staff and students in administration, teaching, co-curricular, extracurricular, and sports activities and deputed them to various courses, programs, committees, placements, etc. KBS's COETNMKC organizes various programs under Student Associations to sensitize students about gender equity. KBS's COET NMKC has also taken efforts for providing an inclusive environment to enhance harmony towards cultural, regional, linguistic, communal, social, economic, and other diversities. KBS's COET NMKC has taken initiative to sensitize and inculcate values, rights, duties, and responsibilities of citizens through activities mainly organized Student Associations. KBS's COET NMKC has a friendly campus for differently abled students with facilities like ramps and lifts. KBS's COET NMKC has facilities such as the use of LED bulbs, etc. Water conservation facilities available in KBS's COET NMKC include rainwater harvesting, bore-well recharge, and the construction of tanks. Our sprawling green campus has adopted environment-friendly policies regarding plantation, solid, liquid, e-waste management, use of renewable energy sources, and pedestrian-friendly ways. KBS's COET NMKC carries green audits and energy audits regularly. KBS's COET NMKC has introduced much teaching-learning process which has created a positive impact on enhancing students' learning ability. The best practices include Comprehensive Student Monitoring System (Mentor Mentee Scheme) & Tree plantation & its conservation. These practices ensure continuous improvement in the performance of students to make them fly with seven colors.

2. PROFILE

2.1 BASIC INFORMATION

Name and Address of the College	
Name	KBS'S COLLEGE OF ENGINEERING & TECHNOLOGY NORTH MAHARASHTRA KNOWLEDGE CITY JALGAON
Address	Gat No.166, In Front of KBC North Maharashtra University Main Gate, National Highway No.6, Bambhori, Jalgaon
City	Jalgaon
State	Maharashtra
Pin	425001
Website	www.nmkcj.org.in

Contacts for Communication					
Designation	Name	Telephone with STD Code	Mobile	Fax	Email
Principal	Sarjerao Panditrao Ahirrao	02588-202205		0257-225840 3	
IQAC / CIQA coordinator	Pundlik Nivrutti Patil	-	9422278865	-	pnpatil09@rediffm ail.com

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	North Maharashtra 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	03-07-2022	12	Extension of Approval for the A Y

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	Gat No.166, In Front of KBC North Maharashtra University Main Gate, National Highway No.6, Bambhori, Jalgaon	Rural	10	9886

2.2 ACADEMIC INFORMATION

Details of Programmes Offered by the College (Give Data for Current Academic year)						
Programme Level	Name of Programme/Course	Duration in Months	Entry Qualification	Medium of Instruction	Sanctioned Strength	No. of Students Admitted
UG	BE, Mechanical	48	HSC DIPLOMA	English	30	3
UG	BE, Electrical	48	HSC DIPLOMA	English	30	3
UG	BE, Civil	48	HSC DIPLOMA	English	30	3
UG	BE, Computer	48	HSC DIPLOMA	English	30	11

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	1				1				33			
Recruited	1	0	0	1	1	0	0	1	21	12	0	33
Yet to Recruit	0				0				0			

Non-Teaching Staff				
	Male	Female	Others	Total
Sanctioned by the UGC /University State Government				0
Recruited	0	0	0	0
Yet to Recruit				0
Sanctioned by the Management/Society or Other Authorized Bodies				21
Recruited	17	4	0	21
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				20
Recruited	18	2	0	20
Yet to Recruit				0

Qualification Details of the Teaching Staff

Permanent Teachers										
Highest Qualification	Professor			Associate Professor			Assistant Professor			
	Male	Female	Others	Male	Female	Others	Male	Female	Others	Total
D.sc/D.Litt/LLD/DM/MCH	0	0	0	0	0	0	0	0	0	0
Ph.D.	1	0	0	1	0	0	0	0	0	2
M.Phil.	0	0	0	0	0	0	1	0	0	1
PG	0	0	0	0	0	0	19	4	0	23
UG	0	0	0	0	0	0	0	0	0	0

Temporary Teachers										
Highest Qualification	Professor			Associate Professor			Assistant Professor			
	Male	Female	Others	Male	Female	Others	Male	Female	Others	Total
D.sc/D.Litt/LLD/DM/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

Part Time Teachers										
Highest Qualification	Professor			Associate Professor			Assistant Professor			
	Male	Female	Others	Male	Female	Others	Male	Female	Others	Total
D.sc/D.Litt/LLD/DM/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	Others	Total
	1	0	0	1

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	405	1	0	0	406
	Female	103	0	0	0	103
	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	12	11	20	38
	Female	4	8	5	4
	Others	0	0	0	0
ST	Male	13	14	21	28
	Female	1	2	2	11
	Others	0	0	0	0
OBC	Male	157	130	130	161
	Female	45	43	41	43
	Others	0	0	0	0
General	Male	77	78	119	141
	Female	20	16	22	30
	Others	0	0	0	0
Others	Male	25	29	28	56
	Female	10	11	13	18
	Others	0	0	0	0
Total		364	342	401	530

Institutional preparedness for NEP

1. Multidisciplinary/interdisciplinary:	We, College of Engineering and Technology, North Maharashtra Knowledge city, Jalgaon situated in the rural area 10 km away from the district place. To attain the overall development of the students such as social, intellectual, moral, ethical physical and emotional in an integrated manner the affiliating university: Dr. Babasaheb Ambedkar Technological University, Lonere, Raigad has included multidisciplinary subjects as per the National Educational Policy 2020 for the undergraduate courses. Keeping in view the problems faced by the students, the college has started training the students by signing MOU with various Companies and firms to raise the educational standards by making students
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	available the Knowledge and Skills and many more so as to upskill the students as per the industry need. Institute has also Signed MOU with Nasik Engineering Cluster keeping in mind Incubation Centre and formed Institute Development Cell with this institute is trying to attain research and entrepreneur skills. The college offer the choice to the students for elective subjects so as to prepare themselves to have more of multi-disciplinary subjects to identify the programme learning outcomes along with courses and unit learning outcomes that define the specific knowledge, skills, attitudes and values that are to be acquired by the learner and would ensure that each programme achieves its goal. The college visualizes a transformation towards integrated approach in near future by offering courses of interdisciplinary nature within the framework of university guidelines.
2. Academic bank of credits (ABC):	As we are affiliated to Dr. Babasaheb Ambedkar Technological University, Lonere, Raigad, we follow the guidelines laid down by DBATU. Hence it is governed by the methodology adopted for evaluation and declaration of result by the University. As per the DBATU directives students have registered themselves through portal.
3. Skill development:	COET NMKC College has been focusing on entering into MOUs which can lead to skill development, ultimately converting the skill into entrepreneurial opportunities. The vision of the college is to achieve excellence in technical education and produce engineers which can prove crux for socioeconomic development of rural India. The college has started arranging skill development programs for the students of different faculties as per need and demand arise time to time. Soft skills development is also one of the prime mottos of the institute. Language Lab is also available for the students. Mentoring students is also one of the prime practices of the institution, to enable students to explore future employment make them employable after graduation, and help them to achieve and make the most of from the studies.
4. Appropriate integration of Indian Knowledge system (teaching in Indian Language, culture, using online course):	Teaching in the institution is as per the prescribed medium of instruction: English. The students enrolling in the college are however from diverse linguistic background. In order to facilitate learning, teachers prefer to supplement their regular teaching

	with added explanation in the locally spoken and accepted language i.e., Marathi for the better understanding of the basic concepts. Students are encouraged to study online courses available on various portals such as Swayam and eShiksha, NPTEL, NDL, etc. The pandemic has also necessitated teaching learning and evaluation to be in the online mode, facilitating the students in becoming used to access and use of online resources. DBATU has also introduced some subject Second Year onwards such as essence of traditional knowledge and Constitution of India etc. Academic Year wise excursion and expedition is arranged to various sites of Indian heritage.
5. Focus on Outcome based education (OBE):	The institution, being affiliated Dr. Babasaheb Ambedkar Technological University, Lonere, Raigad follows the guidelines as and when directed where in variety of approaches in teaching Learning process like lectures, seminars, tutorials/workshop/practical and project-based learning field work, technology enabled learning internship and apprenticeship and research work is already suggested and Institute is implementing it wherever possible. All the programmes are offered as outcomes-based education (OBE) which are designed keeping in mind the regional and global requirements. Course outcome of every subject well defined in the curriculum itself by Dr. Babasaheb Ambedkar Technological University, Lonere, Raigad. The Institute has implemented outcome-based education with clearly stated Programme Outcomes, Programme Specific Outcomes and course outcomes from 2020-21 onwards. All courses are designed with outcomes centred on cognitive abilities namely Remembering, Understanding, Applying, Analysing, Evaluating and Creating. Apart from the domain-specific skills, learning outcomes at all levels ensure social awareness, ethics, and entrepreneurial skills so that student can contribute proactively to economic, environmental and social well-being of the nation. The Course Objectives (COs) are also aligned to the PO-PSO philosophy.
6. Distance education/online education:	The institution is already prepared, especially during COVID-19 pandemic situations and teaching learning process through different online modes likewise app, Google Class rooms, WhatsApp etc. the whole college campus is Wi-Fi enabled with LCD

	Projectors. Post-pandemic, the online learning experience has been adopted by the faculty and students to full advantage of flexible blended mode of teaching-learning. The faculty members also prepared themselves by getting trained for using various MOOCs and other online platform for online teaching learning through FDP, STTP and workshops. Students and faculties are encouraged to undergo MOOCS, SWAYAM, NPTEL and other courses every year. This helps to promote the blended mode of learning. These efforts can be considered as the new normal, which is envisaged in New Education Policy as well.
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Institutional Initiatives for Electoral Literacy

1. Whether Electoral Literacy Club (ELC) has been set up in the College?	The Electoral Literacy Club (ELC) is constituted at the behest of Election Commission of India with the aim of strengthening the culture of electoral participation among the future voters. It's activities are also extended to the educational institutions to sensitise the students on their electoral rights through interesting activities. The Electoral Literacy Club of the college is formed on Monday 3rd January 2022 to accomplish the goal to educate students about their democratic rights, which includes the right to vote.
2. Whether students' co-ordinator and co-ordinating faculty members are appointed by the College and whether the ELCs are functional? Whether the ELCs are representative in character?	YES,
3. What innovative programmes and initiatives undertaken by the ELCs? These may include voluntary contribution by the students in electoral processes-participation in voter registration of students and communities where they come from, assisting district election administration in conduct of poll, voter awareness campaigns, promotion of ethical voting, enhancing participation of the under privileged sections of society especially transgender, commercial sex workers, disabled persons, senior citizens, etc.	We conduct mock polling activities to give the experience-based learning of the democratic setup. We also conduct cartoon drawing, online Webinar, Online debates, mock parliaments, elocution, essay writing and Online quizzing and other such programs which create awareness regarding electoral procedures.
4. Any socially relevant projects/initiatives taken by College in electoral related issues especially research	Organized bike rally, Expert Lectures by Govt. Personnel such as Tehsildar, collectors etc.

projects, surveys, awareness drives, creating content, publications highlighting their contribution to advancing democratic values and participation in electoral processes, etc.	
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.	Citizen, can enrol himself/herself as General Voter and fill Form 6 online at National Voters' Service Portal. Registered voters should also check their enrolment status General Voters need to fill Form 6 (https://www.nvsp.in/Forms/Form6). This form is also for 'First time voters' and 'voters who have shifted to another constituency' NRI Voter need to fill form 6A (https://www.nvsp.in/Forms/Form6a) For Deletion or Objection in electoral roll fill for7 (https://www.nvsp.in/Forms/Form7) Please fill Form 8 (https://www.nvsp.in/Forms/Form8) for any change in (Name, Photo, Age, EPIC Number, Address, Date of birth, Age, Name of relative, Type of relation, Gender). In case of shifting from one place of residence to another place of residence within the same constituency please fill Form 8A (https://www.nvsp.in/Forms/Form8A).

Extended Profile

1 Students

1.1

Number of students year wise during the last five years

2021-22	2020-21	2019-20	2018-19	2017-18
517	435	344	364	504

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: 97

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

2021-22	2020-21	2019-20	2018-19	2017-18
31	31	34	43	61

3 Institution

3.1

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

2021-22	2020-21	2019-20	2018-19	2017-18
133.76	41.77	137.73	140.00	169.25

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 is affiliated to Dr. Babasaheb Ambedkar Technological University (DBATU), Lonere for all engineering programs from academic year 2019-20. From 2011- 2022 it is affiliated to North Maharashtra University, Jalgaon. It follows curriculum prescribed by the affiliating university which gives a tentative calendar about to start and end of the semester including holidays, practical examination dates and end semester examination at the start of every academic year. Principal initiate to develop strategies for effective implementation of the curriculum to the various departmental heads and prepares the academic calendar of the institute. A systematic academic calendar includes an action plan for conducting curricular, co-curricular and extra-curricular activities to enrich the curriculum with the approval of Principal. By considering university calendar as an input of Principal, IQAC Coordinator, Head of Departments prepare the academic calendar for the institute. Allocation of the subject by head of department to the faculty is done by taking into consideration of the faculty qualification, subject specialization, experience and their willingness. Course file and teaching plans with laboratory manuals are prepared by individual subject teachers on the basis of preplanned course outcomes (Cos). For smooth conduction of day to day academic activities, Teachers are encouraged to impart the curriculum through student centric learning methods such as lectures, presentations, assignments, peer learning, laboratory sessions, workshops, seminars, projects, industrial visits etc. and modern teaching aids such as use of PPT presentation, videos in addition to the regular/traditional chalk and talk methods. Head of Department monitors the academic activities on a regular basis by verifying weekly/monthly syllabus coverage report to ensure the execution of effective teaching learning process as per the academic calendar, and suggestions the corrective measures for gap, if any. In addition to the curriculum, exposure about the latest developments and trends in their respective fields are given by arranging guest lectures, industry expert sessions and industrial/field visits etc. Periodical feedback is obtained from the students on aspects of teaching-learning. It includes review of teaching plan, execution schedule, follow-up of syllabus coverage, feedback about teaching quality and action taken, organization of value-added courses and guest lectures. Internal continuous assessment is done for all courses with Project and Seminar based on performance of students at Mid Semester Examination, class tests, oral examinations and assignment provided by the subject teacher. The college provides Choice based subjects to the students as per syllabus. Curricular gaps are identified and complied by teaching content beyond the syllabus, invited lectures and workshops as per requirement. The evaluation of the students is an integral part of the teaching-learning process in which students are encourages to the progress continuously in the semester leading to thorough understanding of the course. Students are also developing for their inherent abilities and skills such as creative and critical thinking, working in a team, communication skill, leadership abilities etc.

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

1.2 Academic Flexibility

1.2.1

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

Response: 9

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](#)

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: 23.57

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

2021-22	2020-21	2019-20	2018-19	2017-18
263	55	0	72	120

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:

The Institute is affiliated to Dr. Babasaheb Ambedkar Technological University, Lonere (DBATU).

The Curriculum Development and Design process is carried out by the affiliating university, based on the needs of the society.

Curriculum is revised at regular time intervals. The institute/department/BoS collects consistent feedback from all stakeholder's students, Teachers, Alumni and Employers.

The proposed suggestions are analysed and the recommendations are communicated to the affiliating University through Dean (Faculty of Science and Technology), Chairman and/or member of Board of Studies.

A present curriculum includes the topics such as environmental studies, safety, security, ethics, social awareness, humanity and social science, professional code of conduct.

To supplement the cross cutting issues such as Gender, Climate Change, Environment, sustainability, Human Rights, ICT, Human values, special efforts are put on various platforms and activities as Grievances Redressal Cell, Women Grievances Redressal Cell, Sexual Harassment Redressal Cell, SC/ST Support Cell, Anti-ragging Cell exists in the institution.

Active student association attach department regularly conduct various activities/programs like "Yoga Day", "Constitution Day", "Engineer's day", "World Women's Day", "Tree Plantation Program", "Nirbhay Kanya Abhiyan", "Swachh Bharat Abhiyan" and many more. The programs are organized to educate people on various issues like Water Conservation, gender equality and Road Safety, voting right awareness etc.

Sr. No	Name of the Program	Name of Courses
1	First Year Engineering (Common to all programs)	Communicative English Communication Skills Energy and Environment Engineering
2	Mechanical Engineering	Soft Skill-III Industrial Economics Environmental Science Principal of Management Energy Conservation and Management Industrial Safety Engineering Basic Human Rights Renewable Energy Sources Wind Energy
3	Computer Engineering	Soft Skill-III Basic Human Rights Principles of Management E-Waste Management Consumer Behavior Cyber Law and Ethics
4	Electrical Engineering	Soft Skill-III Basic Human Rights Environmental Studies Soft Skills and Personality Development Value Education
5	Civil Engineering	Soft Skill-III

		Environmental Engineering I
		Entrepreneurship Development
		Geotechnical Engineering I
		Construction Management II
		Basic Human Rights
		Water Resources Engineering I
		Soft Skills and Personality Development
		Intellectual Property Rights

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

1.3.2

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

Response: 96.13

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

Response: 497

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
Link of institution's website where comprehensive feedback, its analytics and action taken report are hosted	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

Criterion 2 - Teaching-learning and Evaluation

2.1 Student Enrollment and Profile

2.1.1

Enrolment percentage

Response: 7

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

2021-22	2020-21	2019-20	2018-19	2017-18
25	03	09	07	19

2.1.1.2 Number of sanctioned seats year wise during last five years

2021-22	2020-21	2019-20	2018-19	2017-18
150	150	150	210	240

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](#)

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: 9.03

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

2021-22	2020-21	2019-20	2018-19	2017-18
15	02	05	04	16

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

2021-22	2020-21	2019-20	2018-19	2017-18
75	75	90	105	120

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

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:

All educational activities are designed to improve students' knowledge, abilities, and self-confidence. One of our institute's main goals and its core competency is the teaching-learning process. Participative learning, experiential learning, and problem-solving techniques are effectively implemented to guarantee students' overall growth and to promote lifelong learning and knowledge management.

Experiential learning

The programme makes use of practical courses (laboratories), including virtual labs.

Technical know-how for diverse lab equipment repair and maintenance tasks Equipment is taught as topic outside of the curriculum. Wherever possible, several learning strategies, such as problem-based, case-based, project-based, inquiry-based, computation-based, and cooperative (work- or community-based) learning, are used. The undertaking of creative major and side projects is encouraged for students. When conducting research to find solutions to complicated problems, use evidence-based knowledge and research techniques, such as designing experiments, analysing and interpreting data, and synthesizing information to reach reliable findings.

- Internship (List of Intern Student / Internship Experience Letter)
- Workshop (Notice, Permission Letter, Invitation Letter, Report, attendance, Sample Certificate)
- Project (Student Project List)

Participative Learning

Design and Development of Solutions: Through group discussions, brain storming, and other techniques, students seek to design system components and processes that satisfy the requirements of real-world instances and produce solutions for complicated engineering issues. Using a centre node on a mind map that the teacher has created, pupils are allowed to build and expand on original ideas. Students are urged to enrol in Massive Open Online Courses (MOOCs), which are provided by prestigious institutions and feature online lectures, demonstrations, and interaction through ICT.

- Model Making (Photo)
- Industrial Visit (Notice, Permission Letter, Report, attendance)
- Group Practical (Photo)

Individual Study

Students were encouraged by the institute to actively participate in a variety of competitions, practical workshops, and trainings. All of these occasions give pupils a chance to hone their abilities.

Additionally, the institute offers students individualized learning tools including E-Learning, NPTEL, SWAYAM, online certification courses, spoken tutorial projects, etc.

Industry Interaction and Training

Field trips, practical training and internships in industry are currently required. Projects and partnerships with business are launched to provide students with pre-employment training. Regular guest lectures on employment-related subjects given by experts from illustrious companies/industries. Through

MoUs with Industries

Institute has partnered with and signed active MoUs with a number of sectors. Students can comprehend the actual procedures used in many sectors. Additionally, training activities have been arranged, benefiting both teachers and students.

File Description	Document
Upload 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: 89.29

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

2021-22	2020-21	2019-20	2018-19	2017-18
33	38	42	47	64

File Description	Document
Sanction letters indicating number of posts sanctioned by the competent authority (including Management sanctioned posts)	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: 2

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

2021-22	2020-21	2019-20	2018-19	2017-18
1	0	1	1	1

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

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:

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

The internal assessment of students includes an internal sessional examination (CA-I, MSE, and CAII) for theory subjects and practical's. The AMC Head and Coordinator of each department observe the execution of the MSE by visiting each department. The students have free access to the concerned subject teachers or the department head for redress of grievances with reference to evaluation.

Laboratory work/term-work Assessment:

Continuous assessment of each laboratory term's work is carried out and shown to the student. Regular evaluation of laboratory work is based on the attendance of the student, performance of the practical, completion of the journal within time, and internal viva-voce. Final term-work marks are calculated by considering the internal class tests and laboratory performance as major factors.

Seminar and project Assessment

Guides are appointed for seminars and projects to provide guidance regularly. Guidelines referred to for evaluation of marks are selection of topic in allotted time, literature survey, presentation, report writing, depth of understanding, and oral. The student is supposed to meet the guide every fortnight to discuss the progress of the work and documentation. The evaluation was assessed by the guide and the departmental

committee.

Grievance redressal

The Examination Committee (EC) ensures the smooth conduct of internal and external examinations. The committee in charge deals with and resolves issues and grievances relating to examinations. When dealing with difficulties or grievances, the committee is transparent, and the majority of the grievances are addressed and resolved in a timely manner.

External Examination:

Difficulties or grievances about DBATU examinations are communicated to EC, which oversees, documents, and communicates them to DBATU authorities. Regular follow-up is taken for timely redress as per DBATU's procedure. To increase transparency in DBATU examination-related grievances, a separate large-scale notice is posted in the examination section.

The procedure is as follows:

- Notices related to photocopies, verification, and revaluation forms are displayed along with fees and Deadline for submission
- Student can apply for Photocopy through his/her login of DBATU.
- Student can apply for revaluation through his/her login of DBATU
- The DBATU Examination Section makes a decision on various grievances and acts accordingly.
- EC collects and sends old mark sheets from students in cases of change of marks to the DBATU Examination Section.

Internal Examination:

Students having grievances with the internal evaluation process can directly discuss their doubts individually with their respective teachers. Students can approach the Head of Department in case of any grievances; thus, the institute has an effective redressal mechanism. After every internal examination, students can check their evaluated answer sheets; if they have any grievances, they will be addressed by the concerned teacher and the Head of Department.

Laboratory-work:

Marks are awarded to the laboratory assignment accordingly, and students are free to discuss any grievances identified at the time of journal checking. Further, if the grievance is not resolved by the course teacher, the student can approach the departmental academic coordinator, HOD, for grievance redress.

File Description	Document
Upload 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:

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

The learning outcomes specifications of what a student should be able to perform after successfully completing a course and/or program are very important to the institute.

The institute is affiliated to DBATU University, Lonere Raigad (M.S.) and follows the syllabus of the university. All courses in the syllabus of the curriculum have well defined Course Outcomes. In aligned with the same the Institute has clearly stated Program Outcomes (POs), Program Specific Outcomes (PSOs), and Course Outcomes (COs). Each CO is mapped to PO and PSO in terms of their correlation. The following mechanism is followed by the institute to communicate/disseminate outcomes to the teachers and students.

- The institute's vision, mission, programme educational objectives (PEOs), POs, and PSOs are posted on the institute website and exhibited in prominent places.
- The institute website provides access to the curriculum outlines for each course as well as the syllabus for all programmes.
- The concerned faculty member informs the students of the COs of theory courses at the start of each semester.
- At the start of each semester, the concerned faculty member informs the students of the POs, PSOs, and COs of the lab course and also includes this information in the lab manuals.
- POs, PSOs, and COs are made available on the institution website, which is internet-accessible, along with CO-PO & CO-PSO mapping.
- Each semester, each member of the faculty creates a course file that includes a list of the POs, PSOs, and COs as well as CO-PO and CO-PSO mapping.

The Head of Department informs the students about the POs and COs that the DBATU University provides for each course. Faculty members, classroom Teachers mentors/tutors, and course directors educate the students, raise awareness, and stress the importance of achieving the outcomes. Program-specific outcomes (PSOs) are the specific competencies and accomplishments that students must demonstrate at the micro level through the program's conclusion. On the university and institute website, you can see all of the POs, COs, and PSOs. Additionally, PSOs that are available to staff and students are shown in the HOD cabin. When conducting experiments and teaching theory courses, COs and POs are

presented in the relevant laboratories and their mappings are explained to the students. Every course file created by a certain teacher includes the COs, POs, and PSOs with mappings. POs are broad statements that explain the professional achievements that the student program's framework wants to achieve and that the students are expected to have achieved by the time the programme is over.

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

2.6.2

Attainment of POs and COs are evaluated.

Explain with evidence in a maximum of 500 words

Response:

2.6.2: Attainment of POs and COs are evaluated.

Include a wide range of interconnected knowledge, abilities, and personality traits that students are expected to develop in order to graduate. COs are straightforward declarations that outline the fundamental and enduring discipline knowledge, the skills students should have, and the level of learning expected at the end of a course. The course outcomes are outlined in the curriculum of DBATU. The DBATU list every PO, CO, and PSO. Additionally, PSOs are visible in the staff and student-accessible HoD cabins. At the time of conducting experiments and teaching the theoretical course, COs and POs are displayed in the appropriate laboratories and their mappings are explained to the students. PSOs are printed on the journal certificate, along with the department's Vision and Mission statements. Every course file created by a single teacher contains the COs, POs, and PSOs along with mappings.

CO Attainment:

Both direct and indirect methods are used in the assessment. Internal tests and quizzes are the basis of the direct approach of CO assessment. With the exception of the external examination, each question is tagged to the relevant CO, and the overall achievement of that CO is based on the average mark specified as the aim for final attainment. 1. DBATU administers in-semester exams in each semester, and each one evaluates the attainment of all pertinent COs. The end-of-semester test is both descriptive and a measure for determining whether all COs have been attained. The course-end survey serves as the indirect assessment.

PO and PSO Attainment:

Following the completion of the course, each department conducts an exit survey of the students to determine their PO and PSO attainments.

File Description	Document
Upload Additional information	View Document

2.6.3

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

Response: 86.96

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

2021-22	2020-21	2019-20	2018-19	2017-18
149	92	162	94	83

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

2021-22	2020-21	2019-20	2018-19	2017-18
158	93	162	116	138

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

2.7 Student Satisfaction Survey

2.7.1

Online student satisfaction survey regarding teaching learning process

Response: 3.52

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: 0

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)

2021-22	2020-21	2019-20	2018-19	2017-18
00	00	00	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:

NMKC initiated an innovative system to inculcate research workout among students and faculty members. The Institute has laid-out entrepreneurship development activities, seminars, workshops and signed active MOUs with different industries/institute.

MoUs:

The institute has a tie-up with many enterprises which exchange the knowledge in the form of guest lectures, workshops, seminars, internships, certification training, Industry visits and placements.

NMKC gives support to students and staff for research activities. Every Faculty member is elaborate in various academic, administrative and other duties. Regular training programs are providing to the faculty members to improve their awareness and the same is percolated to students. The Organization committees are led by senior faculty associates and supported by the second-line leaders among the faculty members. Special expert talks of industry expert, alumni, and entrepreneurs are led for students for developing their skills. The organization of the Institute creates an atmosphere of security, trust and expertise to facilitate the creative procedure and ensure that it does not go off. They encourage moving persons and teams from creativity to innovation. It is ensured that the process of creativity results in concrete proposals, thoughts and prototypes that will enhance the organization growth. Thoughts are held by the management team with the heads of departments to know how to take innovation, ideas or agenda from faculty members and turn them into realities. Students & staff are informed about various equipment available in institution & encouraged them to use. For enhancement of student knowledge beyond program content is also considered in regular curriculum.

NMKC gives support to students and faculty for research activities. Most of the faculty members are involved in various academic, administrative and other duties. Every year regular training programs are provided/decided for the faculty members to enrich their knowledge and the same is percolated to students. The Institute committees are led by senior faculty members and supported by the second-line leaders among the faculty members. The Institute management creates an atmosphere of security, trust and expertise to facilitate the resourceful process and ensure that it does not go off. They inspire moving individuals and teams from creativity innovation. It is ensured that the process of creativity results in concrete suggestions, ideas and prototypes that will enhance organizational development. Discussions are held by the organization team with the Research head, HoDs to know, how to take innovation, ideas, or agendas from faculty members and turn them into realities. Students and staff are informed about various equipment available in the institution and encouraged to use it.

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

3.2.2

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

Response: 6

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

2021-22	2020-21	2019-20	2018-19	2017-18
3	1	0	1	1

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: 0.23

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

2021-22	2020-21	2019-20	2018-19	2017-18
11	02	02	00	07

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: 0.03

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

2021-22	2020-21	2019-20	2018-19	2017-18
3	0	0	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:

NMKC Engineering College organizes and participates in various extension activities to promote College-Neighborhood-Community network. Major importance is given on student engagement, service orientation and holistic development of students contributing to good citizenship.

Students actively participated in slum kid's education programs which run throughout the year.

Students not only teach the kids but are countless mentors to them teaching them life skills, preparing them for life ahead by inculcating the habits of teamwork, cooperation, and healthy competition. Students organize various events such as sports events, and co-curricular activities throughout the year for the kids. These students also take part in social help to hostel students by distributing water tank and food and other essentials too. They learn the concept of aiding help to society in a variety of ways. The impartial of this college students is to make youngsters sensitive to their surroundings and practical

understanding of concepts of human values. These are the ongoing activities carried by our students every year. The mass participation shows their inner values of harmony and mercy.

Students also participate in various patriotic events with interest, be it celebration of Independence Day or Republic Day.

College & department organizes regular activities on social & environment issues including seminars, tree plantation drives, and invited talks by social figures, orientation programs, celebration of Yoga day etc. Such events witnesses mass participation of our students.

NMKC has begun the practice of conducting extension activities through the different department. The objective of conducting the social delay activities is to sensitize the higher education organization and orient the student's youth public service while they are studying in an educational institution.

The students have contributed to various social and environmental difficulties that they have come across, the strategic theory applied has benefitted the students as well as the people of the society to a very larger scale

The goal of institute is to enable higher educational institutions to work with the people of rural India in identifying development challenges and evolving suitable solutions for accelerating sustainable growth. With this objective few villages had been assigned to grow them provide them better solutions of their problems.

Planting of trees, cleaning of various communal places, spreading awareness to people about the importance of the atmosphere and its conservation are the key activities conducted every year students. Computer literacy awareness is done in rural areas.

Entirely the students have been benefited in their overall development and it is impacting their social as well as economical life.

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

3.4.2

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

Response:

The goal of NMKC is to provide the rights surrounding for physical, intellectual, and social awareness and to increase the morale of students and staff. The Institute Vision and Mission are also align with extension activities to be conducted for the intellectual development of our students, sensitizing them

towards service- based learning. The activities of the institution are intended to involve the students in a variety of social service and development activities parallel with the normal academic programs.

There are many events organized in our institute. NMKC is one of the most active colleges in the region that participates with full enthusiasm and spirit. The events are as follows:

1. Swachh Bharat Campaigns
2. Tree Plantation
3. Food Donation & Water Tank Donation

All these events and activities help students to be good citizens of India. Every year, the Institute, active participants, and volunteers get appreciation from the college management, various nearby gram-panchayats, and non-government organizations. Samples are mentioned below

Name of the activities	Award / Recognition	Name of the awarding agency
Swachh Bharat Abhiyan	Letter of appreciation	Gram Panchayat, Bambhori
Tree Plantation	Recognition letter	Gram Panchayat, Dahiwad
Food Donation & Water Tank Donation	Letter of appreciation	Lilai Hostel, Jalgaon

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

3.4.3

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

Response: 17

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

2021-22	2020-21	2019-20	2018-19	2017-18
04	01	05	02	05

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: 14

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's policy for infrastructure development and improvement supports a healthy teaching and learning environment. Excellent infrastructure features include large classrooms, labs, workshops, a library, faculty offices, seminar rooms, and separate dormitories for girls at the university. The institution has expanded its infrastructure and renovated its existing ones while also adding those that are necessary for maintenance. The description of adequate facilities for teaching and learning that meet the minimum requirements set forth by the AICTE and the affiliated universities, KBCNMU in Jalgaon and DBATU in Lonere, is available. It includes a total area of 10 acres of land that ensures adequate availability and optimal use of physical infrastructure for teaching and learning activities in accordance with AICTE norms.

Classrooms:

- The college encompasses 17 well-furnished, well-ventilated, spacious classrooms (1178.38SQM) for conducting theory classes.

Technology-Enabled Learning Facility:

- The College has ICT Classrooms where the provision of Multimedia learning, Wi-Fi connectivity and internet access is provided.

Seminar Hall:

- The college has a 132 square metre seminar hall with a projector and an internet connection. The institute frequently hosts national and international seminars and workshops in these halls. The students are encouraged to actively participate in group discussions, paper presentations, etc.

Laboratories:

- All laboratories are well-equipped with state-of-the-art equipment and facilities. All the laboratories are established as per AICTE norms. These labs are utilized for conducting practical classes as per the requirements of the curriculum. Labs are also utilized for technology learning & training as part of teaching content beyond the syllabus. Labs have sufficient licenced software

and open-source tools to cater for the requirements of curriculum & industry-enabled teaching. SOPs are made available in almost all laboratories.

Language Laboratory:

- Language Laboratory is available with adequate facility

Computing

- Equipment and an Adequate number of servers, computers, printers and scanners are available in the institute.

Wi-Fi:

- The entire campus is Wi-Fi enabled with 24/7 internet for students and staff.
- Available bandwidth: 50 Mbps.
- Internet facility is available on the whole campus including labs, classrooms, library, and offices of all departments.

Central Library:

- Our central library is fully computerized by automating with E-Granthalaya software. The library has 1003 titles and 5713 volumes covering Engineering. The library has a sufficient stack area with a reading room and ample study space. The central library is well-ventilated. Resources are available for self-learning at Central Library. The digital library facility is available with sufficient E-Journals, E-Books, CDs, etc.

- **Sports:**

The college has a playground for outdoor games for playing cricket, Basket Ball, Volley Ball, kabbadi etc. Also, the college has an indoor game hall for playing Table tennis, Chess, Carrom etc.

File Description	Document
Upload Additional information	View Document

4.1.2

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

Response: 1

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

2021-22	2020-21	2019-20	2018-19	2017-18
0	0	0.14	3.86	2.2

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

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's library has been built "to facilitate knowledge generation and its application through effective dissemination" in line with its vision and goal. 2011 saw the opening of the central library. The central library's main goals are to make material easily accessible to its users in a networked environment and to establish itself as a leading learning resource centre for engineering, science, and technology, as well as for fields related to those three. The Central Library has access to all of the main library materials. Hard copies, CDs, and electronic books are all available in the Central Library's extensive collection of textbooks, reference works, and handbooks. A 400 square metre space is covered by the library. E-Granthalaya software is available in the library. The Library has a DELNET subscription, giving it access to 860 e-journals for engineering and technology as well as 10839 free E-books in 709 categories. The library provides a special service for SC/ST Category Students called the Book Bank Scheme. A separate digital library with ten computers and an internet connection is located at the Central Library. For the comfort of the students and for the efficient functioning of the library, a computer interface has been provided. For engineering courses, it contains NPTEL's audio-video lectures, CDs, e-journals, e-books, and other resources. At the Central Library, a sizable reading area with space for 150 students is offered. The institution's whole student body, faculty, and staff are welcome to join the library. The library has been outfitted with CCTV cameras for enhanced safety

The following are the library's goals:

1. To aid in the process of teaching and learning.
2. To satisfy faculty members' and students' information needs.
3. To update the collection of print and digital reading materials.
4. To offer UPSC, MPSC, GATE, and other competitive examination materials as well as helpful manuals.

Library collection:

The library has a wide range of books, journals, etc. For the use of students and staff, there are 5713 Volumes and 1003 Titles in the library. Additionally, books are accessible to SC/ST students in the library through the Book Bank Scheme. The library's open access system allows the students to issue books.

Library Services:

The services offered by the library include reference services, reprography, download, printing, user orientation and awareness, question papers, reading rooms, etc. Timings: weekdays, weekends, and holidays. Working days are from 10:30 am to 5:00 pm.

Days of Exam: 9:30 a.m. to 5:00 p.m. 10:30 a.m. to 5:00 p.m. on vacation.

File Description	Document
Upload 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:

In order to promote students' overall growth, NMKC, COET, and Jalgaon provides the required IT infrastructure, which is continually upgraded. We purchased a Brother DCP T220 printer, a Canon 2900 GM2070 monochrome inkjet printer, and 170 desktop computers. There are LCD projectors in classrooms, and most of them are supported by Wi-Fi and smart classroom technologies. In addition, we have scanners and Six LCD projectors. A separate printer is given to each department.

Each Section in our office has a computer and printer, and the office has one Xerox machine that is

accessible for use.

12 CCTV cameras are used to monitor the entire campus, and 7 of them have just been updated at the central/admin level.

To support student learning and activity during extracurricular events, we equipped a computer centre with 21 computers. This comprises an internet facility made available through Scud Communication and BSNL's dedicated leased-line service as well as Wi-Fi to give students and faculty members constant access to the internet.

Our college's internet connection has a bandwidth of 70 MBPS, which is improved based on the need to offer high-quality internet connections. In 2017–18, we made frequent updates to our internet infrastructure. We have 10 MBPS Internet speed in 2017–18, and 20 MBPS will be added in the next year. And right now, we have 70 MBPS.

In order to help students and make learning more flexible and effective, all of the institutions' laboratories have undergone regular updates, including annual general maintenance and emergency maintenance. We buy e-Grathalaya software and have DEL net subscriptions for the libraries. According to the recommendations in the curriculum, effective usage of open-source software is promoted. We have a variety of networking tools, such as routers from DBC, Digisol, TP-link, etc. Java, MySQL, C, C++, Python, Cisco packet tracer, Hadoop, Ubuntu, Linux OS, and other essential programmes like Open Office are only a few of the open-source tools available at NMKC, COET that are required for academic work. To enhance security and performance, antivirus software is installed.

Faculty members can prepare their courses in our well-equipped computer lab. Throughout the pandemic's stages, this has been really helpful. Due to the pandemic, specific steps have been done in 2020–2021 to guarantee the best teaching practises for students by utilising online lectures delivered via Zoom, Webex, MS Teams, Google Meet, and other platforms, as well as virtual labs created by IITs.

All departments and the Principal's office are fully computerised, as are the Administrative Office, Examination Cell, Training and Placement Department, and HODs.

File Description	Document
Upload Additional information	View Document

4.3.2

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

Response: 4.31

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

Response: 120

File Description	Document
Purchased Bills/Copies highlighting the number of computers purchased	View Document
Extracts stock register/ highlighting the computers issued to respective departments for student's usage.	View Document

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: 51.61

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)

2021-22	2020-21	2019-20	2018-19	2017-18
79.47	24.66	73.25	63.37	80.53

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

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: 85.72

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

2021-22	2020-21	2019-20	2018-19	2017-18
450	369	293	333	410

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 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: B. 3 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: 4.53

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

2021-22	2020-21	2019-20	2018-19	2017-18
33	65	00	00	00

File Description	Document
Upload supporting document	View Document
Institutional data in the prescribed format	View Document

5.1.4

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

- 1.Implementation of guidelines of statutory/regulatory bodies**
- 2.Organisation wide awareness and undertakings on policies with zero tolerance**

3.Mechanisms for submission of online/offline students' grievances

4.Timely redressal of the grievances through appropriate committees

Response: B. 3 of the above

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

5.2 Student Progression

5.2.1

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

Response: 45.69

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

2021-22	2020-21	2019-20	2018-19	2017-18
58	46	69	44	48

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

2021-22	2020-21	2019-20	2018-19	2017-18
149	92	162	94	83

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

5.2.2

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

Response: 0.25

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.)

2021-22	2020-21	2019-20	2018-19	2017-18
01	0	0	0	0

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

5.3 Student Participation and Activities

5.3.1

Number of awards/medals for outstanding performance in sports/ cultural activities at University /

state/ national / international level (award for a team event should be counted as one) during the last five years

Response: 2

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

2021-22	2020-21	2019-20	2018-19	2017-18
00	00	00	02	00

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

5.3.2

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

Response: 2.4

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

2021-22	2020-21	2019-20	2018-19	2017-18
04	03	00	00	05

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:

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:

We have registered Alumni Association which is formed in 2022-23 has registration number Jalgaon/181/2023. Alumni are one of the main important stakeholders of the institute as they contribute immensely to the development of the institute in multiple dimensions. The alumni always in contact with institute and extend their cooperation time to time. They help for the recruitment of students by giving lectures, career guidance, and interview techniques. Alumni of the institute are providing mentoring services to institute this became influential in making the students understand the industry institute gap and also the way to plan and shapeup their career in right direction and making the students to understand various business opportunities and providing all the support required for preparing the students to become industry ready or to make as entrepreneurs by knowing the current dynamics of the industry. The institute is conducting many alumni based events. Guest lecturers of alumni's and knowledge sharing sessions during the events, the Alumni are sharing their success stories to the ongoing students. Alumni could bring the need for tool-based learning, conducting project-based labs and hackathons. Alumni have deliberated on concentrating on industry-based research projects and undertaking consultancy based on the expertise of the faculty. Alumni are helping to develop quality standards that could be used for enhancing and raising high quality of delivery of educational system. Meetings are held in each semester to discuss the welfare of the institute and the syudents.Prominant and renowned personalities visit the institute and give potent suggestions regarding what they have not received in their college time and therefore wish to provide it for the current students. Most of the teaching staff in the college is a active member of the college alumni association.

Vision:

To become an institution of national reput that will create professionals with global competence, entrepreneurs with high motivation for the development of the society.

Mission:

- To impart quality education through comprehensive curriculum and effective Teaching-Learning Process.
- To enhance career opportunities through Institute-Industry collaboration
- To promote Conducive Environment for Teaching Learning and overall personality development
- To inculcate ethics, sense of discipline and responsibility towards society.
- To inculcate sense of discipline and responsibility towards society

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

Criterion 6 - Governance, Leadership and Management

6.1 Institutional Vision and Leadership

6.1.1

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

Response:

Vision:

"To become an institution of national repute that will create professionals with global competence, entrepreneurs with high motivation for the development of the society "

Mission:

- To impart quality education through comprehensive curriculum and effective Teaching-Learning Process.
- To enhance career opportunities through Institute-Industry collaboration
- To promote Conducive Environment for Teaching Learning and overall personality development
- To inculcate ethics, sense of discipline and responsibility towards society.
- To inculcate sense of discipline and responsibility towards society

Institute's Vision and Mission are well clear, published and disseminated amongst various stakeholders to explain them through -

Institute website - [https:// nmkcj.org.in](https://nmkcj.org.in)

At Main Entrance , Library, Seminar Hall, Department corridors, Training and Placement zone

Canteen Hostel, Guest house, Board Room and Offices.

NMKC focuses on the needs of rural students of society by providing quality education at a minimum price. We at NMKC believe in the decentralization of administration. The Institution's policy believes in the involvement of all staff in decision-making. To streamline the same, various committees at the Institute level are formed which look after academic and administrative activities which lead to the realization of the vision and mission of the Institute.

A progressive, visionary and supportive Governing Body (GB) of NMKC always gives freedom to the Principal to carry out academic activities of the institution. The management is always keen in providing state-of-art infrastructure facilities and excellent teaching and learning culture. The Principal and HODs act as leaders to support and guide various academic activities in the department. Faculty strives hard with mission for shaping the personality and holistic development of the students. HODs have active

support from Principal and are provided with autonomy to decide the strategies of individual department. HODs are engaged in regarding academics, research, placement and routine activities of the department. Transparent faculty and staff performance appraisal system with key performance parameters is in effect. This scheme helps faculties and staff to improve on the quality through counseling by NMKC. Feedbacks are also available from the various stakeholders to the management for the purpose of policy reinforcement.

.Under NEP following activities are planned and executed-

-Focus on Outcome based education

-Academic bank of credits (ABC)

-Skill development

-Distance education/online education

.The Governing Body(GB), College Development Committee(CDC), Internal Quality Assurance Cell(IQAC) play vital roles in the evolutionary reforms of NMKC. The Principal is assisted by HODs, Registrar and coordinators of various cells/committees in the decision-making process of the Institute.Faculty are assigned role and responsibility for the work .

To develop quality systems for conscious, consistent, programmed action to improve academic and administrative performance. Research and Development Centre ,Construction of Boys and Girls Hostel Establish a Centre of Excellence

Short Term Goals:

To take steps for periodic internal academic audits of the teaching, learning, and research activities. To collaborate with other academic institutions, industries, and agencies for improvement of quality and brand image of NMKC.Construction of Mega Auditorium. Submission of proposal for NBA and NAAC.Plan for in-house professional studies (GATE/IES etc.) centers. Establish product Innovation and Incubation center plan for Entrepreneur Development Cell Construction of additional area for upcoming coursesOrganizing technical competitions, project exhibitions, seminars, national and International conferences etc.

File Description	Document
Upload 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:

Response:

The leadership of NMKC is through participative management all the way through a structured organizational system with the involvement of all Stakeholders. NMKC has the vision to create multipurpose engineers ready to serve society. Various components of the organizational structure of NMKC are Governing Body, College Development Committee, Principal, HODs, Teaching, and Non-teaching staff. They review institutional strategic plans which in turn set academic objectives and identify the financial and recruitment strategies. The organizational structure is responsible itself to sustain institutional capacity and educational effectiveness through the involvement of external members in various Committees/Boards. The stakeholders of NMKC are the members of different committees. The decision-making procedures are made at appropriate levels in the administrative hierarchy.. One of the activities successfully implemented based on the strategic plan is 'The Academic' which includes qualification and competence improvement of the faculty and enhancement in teaching-learning environment that in turn enrich.

perspective plan implemented strategically since establishment of institute. Progressively, the infrastructure has been expanded, the academic expansion has been done, extension services have been run, the resources have been procured, and practices have been standardized, human resources have been recruited, trained, and nurtured targeting the Vision of the institute with the learner-centric approach.

As per NMU & DBATU and SRA guidelines, faculty are appointed, and all service rules are followed at NMKC. Various committees are instituted with well-defined functions that give academic and administrative leadership. some are as follows.

Governing Body:

GB is responsible for formulating the policies of NMKC, providing the right direction for 360-degree development, and ensuring proper governance intermittently. It prepare out a roadmap to complete the preferred goals.

College Development Committee:

College Development Commetti looks after the overall functioning, monitoring the process and progress of the institute, CDC is formed as the Maharashtra Public Universities which looks after the overall functioning and progress of NMKC through necessary guidelines.

Internal Quality Assurance Cell:

IQAC plays a vital role by suggesting reforms in various academic and administrative areas. Regular meetings are conducted with Deans, HODs, and faculty to discuss various aspects of quality enhancement. NMKC has designated Academics, Administration, Research, Quality Assurance, and Students for policy-making and smooth conduction of various activities.

Administrative set up & Registrar:

The Registrar works as head of the administrative office.

HODs:

All HoD are always contributes for the growth of the department by organizing teaching, research, student activities, and training program at the department level.

Training and Placement Officer:

TPO helps to initiate and coordinate the industrial interactions related to the training and placements of students. Various statutory committees such as Grievance Redressal Cell, Anti-raging, SC/ST, research, examination, library, academic monitoring, and Student Association have been formed to facilitate the smooth functioning of the related activities. For more participative and transparent administration, various academic and administrative support sections such as admission, accounts, library, workshop, physical director, Entrepreneur Development Cell, and Alumni association have been formed to support, monitor, and facilitate the academic, administrative, and student development activities.

File Description	Document
Upload Additional information	View Document
Institutional perspective Plan and deployment documents on the website	View Document
Provide Link for Additional information	View Document

6.2.2

Institution implements e-governance in its operations

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

Response: A. All of the above

File Description	Document
Screen shots of user interfaces of each module reflecting the name of the HEI	View Document
Institutional expenditure statements for the budget heads of e-governance implementation ERP Document	View Document
Annual e-governance report approved by the Governing Council/ Board of Management/ Syndicate Policy document on e-governance	View Document

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:

Response:

In welfare systems, institute has provided the benefit for teaching and non-teaching staff and under it ,vacation leave, medical leave to faculty, study leaves on-duty leave to conduct research, to attend FDP, conferences.maternity leaves up to 6 months to eligible faculty Unused leaves like , C-Offs, CLs, and ELs are paid at the end of the year.Partial financial support to faculty members to conduct research, and publish papers, Financial assistance to attend FDP, Conferences, Workshops, and Seminars in the field of specialization.The amount is given as an advance and thereafter deducted from monthly salaries Issue relevant documents to avail loans for needy staff members.Distribution of the revenue created through consultancy activities such as testing, Institution has the Yoga center under which Yoga, consideration, and stress management sessions are organized.

Performance appraisal system for faculty:

Quality education is crucial for improving understudy results and accomplishments. NMKC has a well-planned performance and evaluation framework. It is executed with the assistance of the Performance Appraisal System (PAS) for assesment in general execution. Execution is self-evaluated and appropriately filled in PAS.

It is based on mainly three categories

Teaching, learning, and evaluation-related activities

Student satisfaction is given utmost importance at the Institute and hence it is a part of the faculty appraisal system. The feedback helps to review and improve the quality of the teaching-learning processes and measure the effectiveness of course design and deliver Apart from feedback, faculty is also

assessed on performance of the students in examination. Every year faculty fills PAS at the end of the calendar year which is reviewed by the HOD and then by Principal Administration for further consideration for appreciation or corrective action.

Every non-teaching staff also fills a self-appraisal form at the end of the academic year. The self-appraisal is first reviewed by the HOD for Technical staff and for non-teaching staff, registrar do needfull for (PAS) and Substantial leaves will be sanctioned with full pay to the teaching staff for attending FDP, workshops, conferences, who have registered for same.

Canteen facility for refreshment are provided Also NMKC has installed an RO unit for potable drinking water. Doctor on call facility is available for staff and students. The provision for pronouncing opinions is provided through grievance/suggestion box Professional and life skills training are imparted Library facility is made available Saction TA and DA for out station conferences symposiums, in deserved cases. Maternity, Medical leaves vacation is sanctioned for the required staff.

Welfare measures for Non-Teaching Staff-

Service, Conduct and Leave Rules are made available in the institute website Uniform is provided for supporting staff.

Avenues for career development progression

Under career development and progression, eminent and experts persons are called for various training program, work shops and seminar to improve students skill for career development.

File Description	Document
Upload 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: 0.5

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

2021-22	2020-21	2019-20	2018-19	2017-18
01	00	00	00	00

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

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: 3.93

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

2021-22	2020-21	2019-20	2018-19	2017-18
03	04	01	03	01

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

2021-22	2020-21	2019-20	2018-19	2017-18
21	21	21	21	21

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

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:

Response:

The Institution KBS's COET NMKC has tablished a mechanism for conducting internal and external audits on the financial transactions every year to ensure financial compliance. Internal audit is conducted by the internal financial committee of the institution. The committee thoroughly verifies the income and expenditure details and the compliance report of internal audit is submitted to the management of the institution through principal External audit is conducted once in every year by an external agency.

The mechanisms used to monitor effective and efficient use of financial resources are as below:

Before the commencement of every financial year, principal submits a proposal on budget allocation, by considering the recommendations made by the heads of all the departments, to the management. . The institute is being run with self sufficient funds generated from tuition fee and other miscellaneous incomes. In case of shortage of funds, the management supports by providing the finance. College budget includes recurring expenses such as salary, electricity, internet charges, maintenance cost, stationery, other consumable charges etc., and non – recurring expenses like lab equipment purchases, furniture and other development expenses.

The expenses will be monitored by the accounts department as per the budget allocated by the management.

Process of the internal audit:

All vouchers are audited by an internal financial committee by chartered accountant R.N.Khairnar. The

expense incurred under different heads is thoroughly checked by verifying the bills and vouchers. If any discrepancy is found, the same is brought to the notice of the principal. An internal approval system for all expenses is in place. Accordingly, bill/voucher is recommended by the Staff and approved by the Principal, Vice-chairman, and Hon. Chairman of NMKC. All the bills/vouchers are audited by an internal auditor/account department on a routine basis.

Process of the external audit:

As per the government rule the accounts of the college are audited by chartered accountant Mr. R.N.Khairnar. The auditor ensures that all payments are duly authorized after the audit, the report is sent to the management for review. Any queries, in the process of audit would be attended immediately along with the supporting documents within the prescribed time limits. The institution did not come across with any major audit objection during the preceding years. All these mechanisms exhibit the transparency being maintained in financial matters and adherence to financial discipline to avoid defalcation of funds or properties of the institution at all level. The audited statement is duly signed by the authorities of the management and chartered accountant. The major source of receipts is tuition fees and development fees from the students. Audited income and expenditure statement of academic and administrative activities of the previous four years are available. No major objections are found in the audit by the statutory auditors whereas minor audit suggestions are compiled as per the procedure.

File Description	Document
Upload 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:

Response:

IQAC was established on 1st August 2022 as per guidelines by NAAC for monitoring and assuring quality parameters in the teaching-learning process. Cell precisely assures the quality of education at COET NMKC by planning excellent academic and exploration culture to adhere norms of NAAC in line with Vision/Mission. The dynamic and innovative location is developed by executing quality enhancement strategies. Institute has formally stated Quality Statement as-

“We at COET NMKC College of Engineering & Technology practice a system of Quality Assurance which implants quality culture, aiming at quality initiation, nourishment and enhancement of quality at all levels. The continuous quality practice uncompromisingly aiming at development of the institute as

Center of Excellence.”

Roles & Responsibilities are as following

- To coordinate the dissemination of information on various quality parameters of higher education and encourage self-assessment and innovation.
- To coordinate meetings of IQAC and keep a record of MOM.
- To coordinate timely and efficient execution of decisions/policies of IQAC.
- To arrange feedback answers of various stakeholders, analyze it, and take corrective measures.

Following are some Quality Initiatives under IQAC

- Uniformity in project and internship report formats
- Conduct volume building programs for faculty and students
- Placement training programs for students
- Conduct mock Practical/Oral before submission
- Sign active MOUs with Industries for III.
- Register in available courses like SYAYAM & NPTEL.
- Use of ICT tools for teaching-learning and evaluation
- Event reports with geo-tagged photos
- assignments, mini-projects and guest lectures for advance and slow learners Alumni Interface
- Format for Mentor-Mentee scheme

File Description	Document
Upload Additional information	View Document

6.5.2

Quality assurance initiatives of the institution include:

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

Response: B. Any 3 of the above

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

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:

Gender equity is an essential human right, it leads to better legal protection and better racial equality. KBS's COETNMKC organizes many programs for the overall growth of the students and staff. KBS's COETNMKC encourages girls' students to participate in all the activities. Gender equity is promoted in admissions, academic activities, extracurricular activities, and recruitment by KBS's COETNMKC. Specific facilities are provided for women in terms of safety and security, girls' common rooms, and an established Internal Complaints Committee.

Safety and security: The safety of students is totally vital trouble outside and inside the campus. Institute has given first preference to the safety and security of all the students and staff. KBS's COETNMKC campus is fully equipped with multiple CCTV camera systems to observe all the activities within the premises including the administrative building's entry gate. Security includes checking the identity cards of students and staff. A separate register is maintained at the entry gate for visitors. Security guards are available at the entrance of KBS's COETNMKC for 24 hours in 3 shifts.

Common room: There is a spacious separate common room for girls with adequate area, Sanitary Vending Machines, This space has been designed to give a place to relax, study, and have informal discussions in the free time available.

Internal Complaint Committee: Committee has been formed and functioning well by conducting meetings regularly according to the schedule for resolving problems related to ragging, cleanliness, hygiene, etc. .

KBS's COETNMKC celebrates national and international commemorative days, events, and festivals like Teacher's Day, Engineer's Day, Republic Day and Independence Day, Yoga Day, Women's Day, Savitribai Phule Jayanti, Girl Child Day, Nirbhay Kanya Day, Environmental Day, Marathi Bhasha Din, Mahatma Gandhi Jayanti, Chhatrapati Shivaji Maharaj Jayanti, Road safety Awareness, Ganesh Festival Dr. A. P. J. Abdul Kalam Jayanti, etc.

Teacher's Day: Students of all departments organize and celebrate the birthday of Dr. Radhakrishnan on 5th September as Teacher's Day by felicitating all faculty members.

Engineer's Day: KBS's COETNMKC celebrates Engineer's Day with enthusiasm on 15th September in honor of Bharat Ratna Sir M. Visvesvaraya, an eminent engineer.

Republic Day and Independence Day: Every year KBS's COETNMKC celebrates Republic Day and Independence Day on the 26th of January and 15th of August. The program starts with Flag Hoisting by Chief Guest followed by National Anthem. **Yoga Day:** KBS's COETNMKC organizes International Yoga Day on the 21st of June every year by arranging yoga sessions. **Women's Day:** KBS's COETNMKC celebrates International Women's Day on 8th March every year. The eminent speakers are invited to share their views on this occasion.

Savitribai Phule Jayanti: KBS's COETNMKC celebrates Savitribai Phule Jayanti on 3rd January every year by donating books, and stationery to poor and needy students

Environmental Day: KBS's COETNMKC celebrates Environmental Day on the 5th of June every year by arranging Tree Plantation by planting saplings by students and faculty members.

Nirbhay Kanya Day: KBS's COETNMKC celebrates Nirbhay Kanya Day every year by arranging guest lectures of eminent working women.

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

7.1.2

The Institution has facilities and initiatives for

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

Response: B. 3 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: B. Any 3 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:

Education is one of the most important sectors which can contribute a lot to the well-being and smooth functioning of society. KBS's COETNMKC believes in unity in diversity which connects students from different backgrounds in terms of social behavior, religion, knowledge, language, different communities, castes, linguistics, and other inter-caste groups. Students and staff are treated equally without any discrimination. KBS's COETNMKC always motivates students to participate in different programs organized by institutes, inter-institute, Universities, and other Government or non-government organizations to make them sensitize towards cultural, regional, linguistic, communal, and socioeconomic diversities. At KBS's COETNMKC all the students greet and wish each other in all festivals of different religions. KBS's COETNMKC celebrates all festivals like Dahi-handi, Ganesh Utsav, Eid e Milad, Sankrant, Kite Festival, Navratri, and Dussehra, etc. on the campus for a healthier environment. KBS's COETNMKC also celebrates birth anniversaries and memorials of great Indian personalities like Mahatma Gandhi, Chhatrapati Shivaji Maharaj, Dr. Babasaheb Ambedkar, A.P.J Abdul Kalam, Savitribai Phule, etc. for students to know their sacrifice, social work, nationalism towards the nation. KBS's COETNMKC conducts various programs like cleanliness, Swachh Bharat, Energy, and Water Conservation, and Women empowerment to develop and improve values, rights, duties, and responsibilities amongst the students as responsible citizens of India. KBS's COETNMKC celebrates Constitution Day on 26th November every year. The objective of celebrating Constitution Day is to inculcate constitutional obligations among students, to create awareness about the Constitution, and to sensitize the students about the importance of Constitution Day. Republic Day and Independence Day are celebrated by flag hoisting in the presence of the Honorable Chairman of the Institute. KBS's COETNMKC arranges Swachh Bharat Abhiyan to give awareness regarding cleanliness every year. This day is celebrated by organizing a rally to bring awareness to keeping surroundings clean among community people residing in nearby villages. KBS's COETNMKC organizes Tree Plantation activity every year. When students plant a tree, they are not only planting a sapling but also hoping for the best, so tree planting is recognized as one of the most engaging environmental-friendly activities and creating awareness among students regarding the importance of tree plantation in combating climate change, and Global warming. Students and staff actively participate to plant the saplings. KBS's COETNMKC also conducts Traffic Awareness Program to create awareness among the students regarding traffic rules to play a role in reducing the number of accidents on roads. Social Service Club in KBS's COETNMKC works to motivate the students and is always successfully conducting activities to provide service to society. Seminars and workshops of eminent personalities are arranged on morals, values, duties, responsibilities, and saving the environment. Related activities like debates and poster presentations are conducted in the Induction Program.

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

7.2 Best Practices

7.2.1

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

Response:

FIRST BEST PRACTICE

I) Comprehensive Student Monitoring

Mentor plays vital role in development of students by providing professional and personal advice to improve his/her participation in academics and co-curricular activities.

Objectives:

- Monitor student's regularity, punctuality, and discipline.
- Make aware parents about performance and progress of their wards.
- Establish a first line-of-communication for each student and create sense of oneness.
- Identify and mitigate psychology, societal and other issues faced by students and refer them to experts.
- Make students self-aware of their strengths and weakness.

Context:

Khandesh Bahuudeshiya Santha's College of Engineering & Technology North Maharashtra Knowledge City has well-established system to inculcate discipline, punctuality, regularity, and motivate students by monitoring student's activities supported by organizational structure, policies, and practices.

Practice:

- Faculty members are Mentors of 15-20 students allocated by HoDs.
- Mentor collects personal information of student without touching sensitive issues or forcing any information and provides counseling.
- Critical issues are brought to notice of HoDs.
- Mentor meets Mentees informally outside class hours as well and guide them regarding career options.
- Students may get lost with too many students in same class from different backgrounds. They face stress of complex course, peer pressure and emotional immaturity. Therefore, it is need of hour to intervene and introduce monitoring and guidance.
- Teacher takes attendance in every class during first five minutes and enters list of absentees in academic activity register, which enables HoDs to monitor students in each lecture.
- Class in-charges prepare monthly attendance for each division and conveys to parents of defaulters to improve attendance.
- Concerned teacher enquires and counsel's student if he/she is absent for two continuous lectures.
- Class-in charges, HoDs, regularly monitors, enquires and counsel students and parents.
- HoDs to review punctuality and regularity of students. Weight age of five marks is given to attendance in internal assessment to improve student's regularity.

- Anti-Ragging Committee monitors fresher's by frequently visiting sensitive areas within and outside campus.

Responsibilities of Mentor:

Mentor performs following duties:

- Meet group of student's at-least twice a month.
- Maintain detailed progress and record of students and parents.
- Continuously monitor, counsel, guide and motivate students in all academic or personal pursuits.
- Keeps contact with students even after graduation.
- Intimates HoD and suggest if any administrative action is called for.
- Maintains brief but clear record of all discussions with students.

Evidence of Success:

- Improvement in attendance speaks volumes regarding steps taken for monitoring students.
- Enhancement in performance of students due to regular monitoring and discipline is evidence of success.

Problems Encountered and Resources Required:

- Enquiring student in class regarding absentee,
- Poor response of parents for enquiries.
- More number of classes required than actual to complete syllabus.
- Extra efforts are required to counsel and explain parents about their role and cooperation in monitoring their wards in building the career.

SECOND BEST PRACTICE

II) 'Tree plantation and its conservation'

Goal:-

Education is concerned to all types of developments of human related issues. It is continuous and never ending process. The college is situated in front of KBCNMU Bmbhori, Jalgaon and pollution free atmosphere. As it needs to have tree surrounded campus, it believes that 'Tree Plantation' in the campus is as crucial as the infrastructural facility of the college. It becomes a part and parcel of the college routine. The institute as its strong belief as its mission that education must be useful as per the needs of the society or nation. It is a need of time to keep campus natural and free from any kind of pollution. It is believed that if the campus is surrounded with trees and pollution free, it will be a proper place for teaching-learning function. 'Tree Plantation' is a regular practice of the college. The environmental issues are some of the most profound and complex challenges, requiring immediate attention. Our aim is to achieve a sound environment in and around the college campus as well as nearby villages like Bambhori & Mhasawad, and to sustain it through this program with the volunteer participation of our students. We have identified the following areas which are in tune with our goal and could set an example

- To create awareness about the environment related issues among the staff and the students of the college.
- Plan for plantation of particular plants and location.
- To make the college campus and nearby villages like Bambhori & Mhasawad greenary.
- To harvest rain water.

Contexts:-

The implementation of the proposal is easy and not time consuming. This task is voluntarily implemented by students and the staff and consented at management level. The students need exposure and plan of action to accomplish this project. In proper coordination of Institute & Gram Panchayat representative become the exposure of the students and they make a plan of action to succeed this project.

The Practice:-

The organization of Poster competition, lectures, and debate competition is done in view of concrete output. The staff and the students employ the task of cleanliness on a day of each month in view of developing the importance of cleanliness in students. The slogans “Zaade Lawa Zaade Jagwa” & “Save Environment” are displayed in the classrooms to remind the students of their duties and responsibilities. Maximum trees are planted in college premises and in nearby villages like Bambhori & Mhasawad

Evidence of Success:- The students whenever free after learning schedule look to water the plant and conserve it. The awareness for plantation and growing trees in students and staff spreads and develops through their action and implementation of tree plantation program voluntarily. The college is nearest to ‘KBC North Maharashtra University.& ‘tree plantation’, is a crucial need of the time. The campus of tree surrounding helps to keep pleasant and cool atmosphere which causes to save electric bill also.

Problems Encountered and Resources Required:-

‘Tree plantation and its conservation’ is continuous process in the college as well as nearby villages like Bambhori & Mhasawad so sometimes the problem of watering the plants arise at the time of electric load shedding, electric repairing problem and non availability of water in hot summer

File Description	Document
Best practices as hosted on the Institutional website	View Document
Any other relevant information	View Document

7.3 Institutional Distinctiveness

7.3.1

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

1000 words

Response:

A] Giving back to society and the Environment: Even if you don't fancy yourself as an environmentalist, it is important to recognize the programs and policies of institutes greatly impact the quality of our life. KBS's COETNMKC, believes in high standards of academic, professional, and societal performance. We at KBS's COETNMKC believe that college life is not all about academics, games, friends, and fun but also about learning to interact with other people and being aware of social, environmental, and gender issues and inequities in society. We provide an opportunity for every student to contribute to making the society in which they live a better place and to grow as better individuals. At KBS's COETNMKC has committed itself to the task of inculcating social values and responsibilities in its students for displaying respect for society. In line with its vision of working towards the socio-economic development of the country, KBS's COETNMKC has taken utmost care to give back to the community. Several student committees are formed to carry-out the duties towards society. One-week intense Induction Program for fresher's provides them an insight into the Institute's values and vision.

At KBS's COETNMKC protects environment with its green campus initiative and keeps a pollution-free campus by conducting different programs. All staff and students actively participate in the tree plantation during the rainy season on campus and nearer villages. The green campus concept offers an opportunity to Institute to take the lead in redefining its environmental culture. KBS's COETNMKC work-out the time-bound strategies to implement green campus initiatives and supports to promote sustainable and eco-friendly practices.

- KBS's COETNMKC conducts Tree Plantation programs in different areas of the city, villages, and campus. Institute has adopted practice of felicitating guests by giving saplings and many programs start with tree plantation to promote importance of tree plantation.
- KBS's COETNMKC conducts Swatch Bharat Abhiyan frequently in the different places nearby to give awareness about cleanliness to students and society.
- Greening the campus of the Institute includes sweeping away wasteful inefficient sources and using a conventional source of energy for its daily power needs, correct disposal handling, and purchase of environment-friendly supplies and e-vehicles.
- Students and staff visit an orphanage and disabled regularly to provide help in terms of stationary, grocery, and needed equipment.
- KBS's COETNMKC organizes Constitutional Day to give a message to the students regarding the duties and rights of a citizen of India towards the country.
- KBS's COETNMKC organizes National Voters Day on 25th January to give awareness regarding the importance of voting.
- Students and staff actively participate in roadshows and programs arranged in the villages to promote the importance of the girl child and the importance of education to the girl by Beti Bachao Beti Padhao program.
- KBS's COETNMKC organizes Aids awareness programs in local areas through roadshows.
- Local students are motivated to bring bicycles one day a week.
- Posters of Ban on plastic are displayed on the campus to give awareness regarding the green environment. Nearby villages are made aware by organizing road shows.
- **B] Higher Education Awareness Programmes for Junior College and Polytechnic Students:**

- Education is a lifelong pursuit that can have a significant impact on your present and future. The years spent in higher education expose students to new ideas teaches them how to think critically and give them the skills they need to succeed in the workforce. When you invest in your education, it can change your life and provide better opportunities; that's why we want you to be aware of the importance of higher education.

As per our mission, we conduct "Higher Education Awareness Programs" at the Junior Colleges and Polytechnics across the Maharashtra State to encourage students for higher technical education. In normal working conditions, the faculty of KBS's COETNMKC visits nearby junior colleges, and polytechnics and deliver seminars and council each and every student personally. Also, during the pandemic situation, our faculty members conducted online webinars for the students with the ambition that the students from rural areas will fly with seven colors in the sky. As a part of this Awareness Program, we not only encourage them to higher studies but also guide them regarding filling the MHT-CET entrance form, JEE, and NEET exam form. We also update them daily regarding the admission process, criteria, and documents required for admission. We also create awareness about various government Scholarship schemes and scholarships/financial facilities that the Institute is offering to the poor and needy students of rural areas so that the students from economically backward categories can take advantage of higher education.

• **C] Additional Utilization of Resources:**

- Career guidance for 12th science and polytechnic students
- Essay competitions during the induction program
- Facilitation Centers for Engineering admission process
- Extended time for student counseling for the overall development of the students
- Examination centers for State and National agencies for conducting examinations
- Because of Tree Plantation programs in the surrounding village, the barren land flourished with flora and these trees reduced the heat effect through evaporative cooling and reducing the amount of sunlight that reaches parking lots and buildings
- Also, the Tree Plantation helps to improve air quality and the ozone layer by filtering harmful dust and pollutants such as carbon monoxide, carbon dioxide, and sulfur dioxide from the air we breathe
- As a result of Higher Education Awareness Program, more students appeared for entrance examinations in engineering fields.
- Due to green initiative in at KBS's COETNMKC, nearby villages became clean and plastic free
- Enhanced number of admitted girl students in various nearby colleges.
- Increased number of e-vehicles and cycles
- Following traffic rules by use of seatbelts, and helmets have increased.

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

5. CONCLUSION

Additional Information :

College of Engineering & Technology, North Maharashtra Knowledge City, Jalgaon is established in 2011, by Khandesh Bahuuddeshiya Sanstha's. The Campus is situated at Bambori village on 10 acres of land with adequate infrastructure and is lush green, pollution free, and healthy campus having all the required facilities for the students. In the last 11 years, the Institute has grown horizontally and vertically. The Institute offers UG Programs affiliated to Dr. Babasaheb Ambedkar Technological University, Lonere in the major engineering branches Like Mechanical, Computer, Electrical and Civil. The major landmark in the development of the Institute is ISO 9001:2015 Certification. The Institute is always ready to help the student community to a large extent for placements in various Industries. Active MOUs have been signed by the Institute and is also working hard to bring various MNCs for campus placements not only limited to our own students but for the students in Jalgaon and nearby districts. During the year 2022, the Institute has organized placement drive on 14th of December. All these drives were open for all the students of ITI, Diploma and any graduates from any institute. Different industries from Nashik, Pune and Mumbai have participated in these placement drives and offered placements to the students with packages ranging from 1.5 Lacs to 3.5 Lacs.

Concluding Remarks :

The Institute is constantly focusing on technical education quality. The Institute's systematic and well-planned efforts in this area are reflected in activities carried out throughout the years, which have improved multidimensional development of institute Boards of trustees, GC, CDC, IQAC, Academic Monitoring Committee, and numerous institute level committees make up the governance structure. To symbolise, we strive hard in all-round development of the institute in terms of infrastructure, academic, and human resources to obtain the accreditations to certify the standards and processes followed, and understand the scope for the improvement to achieve the defined Vision through the autonomy status.

6.ANNEXURE

1.Metrics Level Deviations

Metric ID	Sub Questions and Answers before and after DVV Verification																																								
1.2.1	Number of Certificate/Value added courses offered and online courses of MOOCs, SWAYAM, NPTEL etc. (where the students of the institution have enrolled and successfully completed during the last five years) Answer before DVV Verification : Answer After DVV Verification :9 Remark : DVV has made changes as per the report shared by HEI																																								
2.1.1	Enrolment percentage 2.1.1.1. Number of seats filled year wise during last five years (Only first year admissions to be considered) Answer before DVV Verification: <table><tr><td>2021-22</td><td>2020-21</td><td>2019-20</td><td>2018-19</td><td>2017-18</td></tr><tr><td>25</td><td>02</td><td>09</td><td>07</td><td>19</td></tr></table> Answer After DVV Verification : <table><tr><td>2021-22</td><td>2020-21</td><td>2019-20</td><td>2018-19</td><td>2017-18</td></tr><tr><td>25</td><td>03</td><td>09</td><td>07</td><td>19</td></tr></table> 2.1.1.2. Number of sanctioned seats year wise during last five years Answer before DVV Verification: <table><tr><td>2021-22</td><td>2020-21</td><td>2019-20</td><td>2018-19</td><td>2017-18</td></tr><tr><td>150</td><td>150</td><td>150</td><td>210</td><td>240</td></tr></table> Answer After DVV Verification : <table><tr><td>2021-22</td><td>2020-21</td><td>2019-20</td><td>2018-19</td><td>2017-18</td></tr><tr><td>150</td><td>150</td><td>150</td><td>210</td><td>240</td></tr></table> Remark : DVV has made changes as per the report shared by HEI	2021-22	2020-21	2019-20	2018-19	2017-18	25	02	09	07	19	2021-22	2020-21	2019-20	2018-19	2017-18	25	03	09	07	19	2021-22	2020-21	2019-20	2018-19	2017-18	150	150	150	210	240	2021-22	2020-21	2019-20	2018-19	2017-18	150	150	150	210	240
2021-22	2020-21	2019-20	2018-19	2017-18																																					
25	02	09	07	19																																					
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150	150	150	210	240																																					
2021-22	2020-21	2019-20	2018-19	2017-18																																					
150	150	150	210	240																																					
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 2.1.2.1. Number of actual students admitted from the reserved categories year wise during last five years (Exclusive of supernumerary seats) Answer before DVV Verification: <table><tr><td>2021-22</td><td>2020-21</td><td>2019-20</td><td>2018-19</td><td>2017-18</td></tr><tr><td></td><td></td><td></td><td></td><td></td></tr></table>	2021-22	2020-21	2019-20	2018-19	2017-18																																			
2021-22	2020-21	2019-20	2018-19	2017-18																																					

15	02	05	04	16
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Answer After DVV Verification :

2021-22	2020-21	2019-20	2018-19	2017-18
15	02	05	04	16

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:

2021-22	2020-21	2019-20	2018-19	2017-18
75	75	75	105	120

Answer After DVV Verification :

2021-22	2020-21	2019-20	2018-19	2017-18
75	75	90	105	120

Remark : DVV has made changes as per the report shared by HEI

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:

2021-22	2020-21	2019-20	2018-19	2017-18
14	03	10	11	14

Answer After DVV Verification :

2021-22	2020-21	2019-20	2018-19	2017-18
04	01	05	02	05

Remark : DVV has made changes as per the report shared by HEI

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*

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

Answer before DVV Verification:

2021-22	2020-21	2019-20	2018-19	2017-18
429	351	279	322	390

Answer After DVV Verification :

2021-22	2020-21	2019-20	2018-19	2017-18
450	369	293	333	410

Remark : DVV has made changes as per the report shared by HEI

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***

Answer before DVV Verification : A. All of the above

Answer After DVV Verification: B. 3 of the above

Remark : DVV has made changes as per the report shared by HEI

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

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***

Answer before DVV Verification:

2021-22	2020-21	2019-20	2018-19	2017-18
00	01	00	00	00

Answer After DVV Verification :

2021-22	2020-21	2019-20	2018-19	2017-18
33	65	00	00	00

Remark : DVV has made changes as per the report shared by HEI

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

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

Answer before DVV Verification : A. All of the above
Answer After DVV Verification: B. 3 of the above
Remark : DVV has made changes as per the report shared by HEI

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

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

Answer before DVV Verification:

2021-22	2020-21	2019-20	2018-19	2017-18
58	46	69	44	48

Answer After DVV Verification :

2021-22	2020-21	2019-20	2018-19	2017-18
58	46	69	44	48

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

Answer before DVV Verification:

2021-22	2020-21	2019-20	2018-19	2017-18
158	93	162	116	138

Answer After DVV Verification :

2021-22	2020-21	2019-20	2018-19	2017-18
149	92	162	94	83

Remark : DVV has made changes as per the report shared by HEI

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:

2021-22	2020-21	2019-20	2018-19	2017-18
00	00	02	21	15

Answer After DVV Verification :

2021-22	2020-21	2019-20	2018-19	2017-18

00	00	00	02	00
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Remark : DVV has made changes as per the report shared by HEI

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:

2021-22	2020-21	2019-20	2018-19	2017-18
00	00	105	156	98

Answer After DVV Verification :

2021-22	2020-21	2019-20	2018-19	2017-18
04	03	00	00	05

Remark : DVV has made changes as per the report shared by HEI

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:

2021-22	2020-21	2019-20	2018-19	2017-18
04	03	03	03	08

Answer After DVV Verification :

2021-22	2020-21	2019-20	2018-19	2017-18
03	04	01	03	01

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

Answer before DVV Verification:

2021-22	2020-21	2019-20	2018-19	2017-18
00	00	02	00	00

Answer After DVV Verification :

2021-22	2020-21	2019-20	2018-19	2017-18

	<table> <tr> <td>21</td> <td>21</td> <td>21</td> <td>21</td> <td>21</td> </tr> </table> Remark : DVV has made changes as per the report shared by HEI As per IIQA number of non teaching staff is 21 for all years	21	21	21	21	21
21	21	21	21	21		
6.5.2	Quality assurance initiatives of the institution include: 1. Regular meeting of Internal Quality Assurance Cell (IQAC); quality improvement initiatives identified and implemented 2. Academic and Administrative Audit (AAA) and follow-up action taken 3. Collaborative quality initiatives with other institution(s) 4. Participation in NIRF and other recognized rankings 5. Any other quality audit/accreditation recognized by state, national or international agencies such as NAAC, NBA etc. Answer before DVV Verification : A. Any 4 or more of the above Answer After DVV Verification: B. Any 3 of the above Remark : DVV has made changes as per the report shared by HEI					
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: B. 3 of the above Remark : DVV has made changes as per the report shared by HEI					
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 Answer before DVV Verification : A. All of the above Answer After DVV Verification: B. Any 3 of the above Remark : DVV has made changes as per the report shared by HEI					

2.Extended Profile Deviations

ID	Extended Questions
1.1	Number of students year wise during the last five years

Answer before DVV Verification:

2021-22	2020-21	2019-20	2018-19	2017-18
536	401	342	364	504

Answer After DVV Verification:

2021-22	2020-21	2019-20	2018-19	2017-18
517	435	344	364	504

- 2.1 **Number of teaching staff / full time teachers during the last five years (Without repeat count):**
 Answer before DVV Verification : 200
 Answer after DVV Verification : 97