



SELF STUDY REPORT

FOR

2nd CYCLE OF ACCREDITATION

CUMMINS COLLEGE OF ENGINEERING FOR WOMEN

**MOUJE SUKALI (GUPCHUP), TALUKA HINGNA, NAGPUR
441110**

www.cumminscollege.edu.in

Submitted To

NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL

BANGALORE

February 2024

1. EXECUTIVE SUMMARY

1.1 INTRODUCTION

Cummins College of Engineering for Women, Nagpur was established in the year 2010 by Maharshi Karve Stree Shikshan Samstha, Pune for empowering the women professionals from Vidarbha and surrounding region in various fields of engineering. Cummins College of Engineering for Women, Nagpur is self-financed College approved by All India Council for Technical Education, New Delhi, Directorate of Technical Education, Government of Maharashtra and affiliated to Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur. Maharshi Karve Stree Shikshan Samstha (MKSSS) was founded by great visionary Bharat Ratna Maharshi Dhondo Keshav Karve in 1896 for emancipation and education of women. Today, more than 32,000 students are studying in various 72 educational Colleges run by Samstha which are spread all over in the state of Maharashtra and Samstha is planning to spread its wings outside of Maharashtra also in the state of Assam in near future. Cummins College of Engineering for Women, Nagpur is only women's engineering college in the Vidarbha region. The college offers three UG engineering programs in Mechanical Engineering, Computer Engineering and Electronics and Telecommunication Engineering.

The college is situated on the outskirts of Nagpur city in Mouje Sukli village in the vicinity of Hingna suburban area of Nagpur city which is essentially very close to MIHAN (Asia's biggest industrial development area) in Nagpur. The lush green campus blessed with nature beauty on the bank of river is spread over in 23 acres area at Mouje Sukli (Gupchup) Taluka Hingna, Nagpur. The College has infrastructure facilities as per the norms of AICTE New Delhi and it meets with international standards to accommodate and undertake the modern era of engineering education. The college has academic / technical and administrative blocks A, B and a spacious Mechanical Engineering Workshop along with Site Engineer and Maintenance block cum office and Canteen with total built up area of around 7493.247 sq meters. The college has 30 plus well-equipped laboratories, 14 plus classrooms, 2 seminar halls and a library with gym and facility for indoor sports, and playgrounds for outdoor sports and a green gym.

Vision

Vision of Parent Organization

Bharat Ratna Maharshi Karve, a revered Visionary with extraordinary legacy of work in the field of women emancipation and education, is the inspiration and guiding soul behind the MKSSS's vision of "Empowered Women playing equal role in Society and Nation building". In keeping up with the vision, MKSSS strives to build a society of equal opportunities, social justice, a society where women will have their due importance, can live an enriched quality of life, a life of freedom and personal fulfillment. MKSSS works towards empowerment and enrichment of women through education, innovative training for life skills and job skills, pioneering the entry of women in new technology areas and new job domains. MKSSS's vision also includes facilitating self employment, awareness and sensitivity to women issues in society.

In accordance with the vision of the parent organization the college has the following vision

“Empowered women play important role in building of society and nation”. Empowerment and enrichment of women professionals through Education, Innovative training of life skills and job skills for

pioneering their entry in the latest technological areas and job domains; Encouraging self-employment and through Sensitizing awareness for women's issues in the society.

Mission

The college works on the core values such as :

- Give due respect to all students and ladies staff.
- Enhance professionalism with good human values.
- Promote team spirit and healthy competition.
- Create healthy atmosphere for effective teaching–learning process.
- Promote creativity and innovation in all activities.
- Promote equality and integrity.
- Value individual differences and dignity of labor.
- Sharing of experience, knowledge and skills.

Based on the above core values

the mission of the college is as follows

“To develop technically and academically sound women professionals having strong work-ethics and good human-being characteristics.”

1.2 Strength, Weakness, Opportunity and Challenges(SWOC)

Institutional Strength

1. Rich legacy of the parent organization “Maharshi Karve Stree Shikshan Samstha” in the field of education
2. Transparent and proactive management represented by persons from industry, field of social services and education.
3. Strong association with industries such as Cummins India Ltd, Persistent Systems P. Ltd and HCL and with NGOs like Manav-Seva Samiti, Rotary Club, Janakalyankari Samiti, Vijnana Bharati, MOHAN Foundation, Jeevan Jyoti Blood Bank, Dr. Hedgewar Blood Bank.
4. Adequate and well-maintained infrastructure for academics and on campus residence for students.
5. Provision of Industry & Institutional (Samstha) scholarships for needy and deserving students.

Institutional Weakness

1. Students are from remote places and know only vernacular language.
2. Participation of alumnae in overall development of college is inadequate.

Revenue generation is insufficient

Institutional Opportunity

1. To emerge as a role model in the field of Women Engineering Education by adapting best pedagogic practices
2. Involvement of industries in students' projects, internships, and mentoring.
3. Improvement in entrepreneurship / innovation related activities with the help of industries and government organizations
4. To contribute towards improving gender diversity in the field of Mechanical Engineering
5. To enhance the technical activities in association with professional societies
6. Effective implementation of NEP 2020

Institutional Challenge

1. Seek research grants from funding agencies.
2. Faculty and student exchange program with renowned Colleges and industries
3. To increase number of patents and transfer of technology into product

1.3 CRITERIA WISE SUMMARY

Curricular Aspects

The College is affiliated to Rashtrasant Tukdoji Maharaj Nagpur University, Nagpur and follows the curriculum designed by the university. University has adopted Choice Based Credit System (CBCS) since 2019. The College has its own well-defined process to plan and execute the activities for effective curriculum planning, delivery and implementation. Taking into consideration the university academic calendar, the same is prepared well in advance, which ensures timely completion of syllabus, internal examinations, internal evaluation, and project work. The college follows outcome-based learning and the program specific outcomes are defined for each course of the program defined by NBA and course objectives & outcomes are defined for each course. The college aims at holistic development of students in accordance with NEP 2020. The college has industry involvement in imparting curriculum through MOUs. The College encourages its faculty to active participation in the meetings of syllabus design and review conducted by BoS and other related tasks. The faculty participates in the workshops and faculty development programs organized by different statutory bodies. The objective of the college is not merely providing bookish knowledge but to make its student technically sound with practical knowledge. The College organizes workshops, seminars, guest lectures, and industrial visits, conferences and encourages internships for its students. The College runs various value-added programs which enhances the employability of students. The students and faculty are encouraged to register for NPTEL-SWAYAM certifications for recent thrust area for knowledge upgradation. The college ensures inculcating and integrating crosscutting issues relevant to professional ethics, human values, environment and sustainability in curriculum through courses and through various activities such as gender diversity, various festivals and days of national and international importance, health and hygiene related workshops and seminars, events / session during student induction program etc. More emphasis is given to project work. Students are encouraged to work on live industry projects. The mission of the College is to develop students having strong work-ethics and good human-beings characteristics. Due importance is given to environmental &

sustainability and professional ethics. The College has effective feedback mechanism to collect and analyze feedback from different stakeholders through the web or in person.

Teaching-learning and Evaluation

Admissions to UG programs are done as per the guidelines provided by Admission Regulation Authority (ARA) governed by Directorate of Technical Education, Government of Maharashtra through Centralized Admission Process. The college follows the norms laid for admission of students of reserved category. The college has an adequate number of full-time teachers and the STR is well above the prescribed by respective regulatory and accredited agencies. The quality of full-time teachers in terms of qualification, experience and knowledge upgrading efforts is also taken into account during course of imparting education to ensure quality value based education. Course outcomes are defined for each course. Program outcomes are defined by NBA and PSOs are defined by departments. COs, POs and PSOs explained and disseminated to all students. The course articulation matrix and program articulation matrix are prepared and the mapping of COs with POs and PSOs and their attainments are well defined documented and explained to students for finding gap analysis and compliance. A student's performance is evaluated by internal and external examinations. End semester Examination is conducted by university. College evaluates the performance by assignments, quizzes, Lab, Viva voice and two sessional examinations. To identify slow learners and fast learners the college takes two various tests at the entry level. The faculties make special efforts on slow learners and encourage the quick learners. Every year / semester the college prepares an academic calendar in accordance with the university academic calendar and strictly adheres to it. College makes effort to impart quality value-based education using various ICT tools for concept clearing and uses feedback mechanism to create conducive learning atmosphere. Remedial classes are arranged for slow learners and DSE students after regular college hours. Quick learners are encouraged to take MOOCs, take lead in the activities of Professional Bodies such as IEEE, IETE, ISTE, CSI, ASM and shoulder responsibilities in college level clubs. Training is given to students to enhance employability which has resulted in good placements. College encourages faculties and students to participate in various training programs/ workshops/ seminars/ conferences/ development programs/ industry visits/Hackathons to update knowledge and develop their skills.

Research, Innovations and Extension

The college is inclined to nurture the atmosphere for research and development and for the extension and collaborative activities. The college has well defined R & D policy. The management of the college ensures allocation of funds for R & D activities and initiatives. The infrastructure of the college possesses well equipped laboratory facilities, a library with a good number of books, refence material and journal subscription to promote research among the faculty members and students. The faculties and students are motivated to attend and present research papers at national / international conferences, workshops, FDPS, seminars, patents, and copyrights etc. by providing them with financial assistance and / or on duty leaves. They are also encouraged to publish their research article in peer reviewed and reputed journals. Faculties are encouraged to put up project proposals with Government Agencies and Ministries for seeking funding for Research projects. Faculties are trained in Patenting and IPR issues. Cummins India limited provides financial assistance for development of state-of-the-art laboratories. MOUs have been signed with different organizations for the overall development of students.

The NSS unit actively participates in National Programs such as Swaccha Bharat Abhiyan, Blood Donation Camps, Tree plantation, this has an impact to develop technically and academically sound women professionals

having strong work ethics and good human being in line with the mission statement. NSS unit in association with RTMNU also conducts activities to celebrate various days. The college has MoU, collaborations, and linkages with many industries of repute and the collaborative activities are regular feature in teaching learning process. The industries have provided laboratory infrastructure, experimental setups, machines, software of emerging thrust area beyond the industry visits, projects, internships, expert sessions, workshops, seminars, employability enhancement training programs etc to accomplish the fruitful Industry – College interaction avenues.

Infrastructure and Learning Resources

The college meets the infrastructure requirement as per norms of AICTE .The College has well-equipped classrooms, laboratories, seminar halls, library, reading room, common rooms, administrative office, computer laboratories, canteen, playgrounds, gymnasium sports room, green gym etc. The college provides a safe and secure hostel facility for girls within the campus. It has a lush green ecofriendly campus spread over 23 acres. Classrooms are aided with LCD projectors, smart boards for delivering lecture sessions, seminars, or presentations. Provision of sick room in both the wings is made for the students. The central library has a good ambience with reading room, reference section and ICT section for online teaching learning aids such as online e journals , e books, articles etc. The library is automated using the Koha software. It is well stocked according to support the book-bank facility. The library has subscriptions of National and International printed and e-journals. The campus has high speed NMIECT broadband, Internet leased lines, Wi-Fi, and video conferencing facility. All the computers in campus are connected through LAN. The computer laboratories are equipped with the latest high-end desktops and licensed operating systems, system and application software and free wares. The college has facilitated electronic workshops with PCB fabrication facilities and fully equipped Mechanical Engineering workshop with modern machinery, setups, and equipment. College laboratories with high end and latest equipment in respective domains to impart the latest hands on to students. Teaching-learning is enriched by providing resources such as NPTEL- SWAYAM and You -tube videos, hands-on workshops, seminars, and industry lectures. 280 KVA generator power backup is available to ensure hassle-free conduction of teaching-learning activities. New equipment and maintenance are done by the central purchase committee through pre-defined procedures. The annual budget has sufficient provision for augmentation of infrastructure. It is ensured that the budget utilization is up to the mark toward laboratory upgrades and for setup of new laboratories in the emerging thrust areas. The college has sufficient numbers of PCs and the student to computer ratio is very satisfactory. The maintenance of physical and academic support facilities is taken care of in the budgetary provisions.

Student Support and Progression

The College has facilitating mechanisms like Student Section, Placement Cell, ED Cell, Professional Society Student Chapters, Student Clubs, Mahila Takrar Niwaran Samiti (Student Grievance Redressal), Anti-Ragging Committee, SC (Atrocities) Committee, and Hostel Committee to support students. The college has the best practice of providing financial assistance to needy and deserving students in the form of scholarships. The scholarships provided by the college and associated industries are other than those provided by the government. The Institution provides quality education by organizing bridge courses and add on courses in relevant subject areas. The College promotes value-based education for inculcating social responsibility and good citizenry amongst its student community. The conduction of capacity building and skill enhancement is unique feature of the college towards students' employment enhancement. A number of core and ICT companies are recruiting the students of college with very good package. The students have multiple offers and can choose their dream

company job. The college also has entrepreneurship cell which takes care of inculcating the entrepreneurship skills amongst aspirant students. The College mentors its students to take up competitive exams such as GATE, GRE, IES etc. Students are given subject specific guidance through TCRT (Technical Campus Recruitment Training). This helps them to migrate to higher level of studies, employability and learn about entrepreneurship skills. The College encourages students 'participation in various activities and facilitates development of various skills and competencies to foster their holistic development. Being a women College, it promotes active participation of the students in social & cultural activities. Here students are the leaders for planning of events to organize and execute various technical, nontechnical, cultural activities. The Alumnae are the brand ambassador and a strong support to the institution. Interactive sessions of Alumina are regularly organized. Alumina meets at various locations and are organized every year.

Governance, Leadership and Management

The governance and leadership of the college is in accordance with the vision of the college and strive to accomplish the vision. The vision of the College is to "Empower women play important role in building of society and nation". Empowerment and enrichment of women professionals through Education, Innovative training of life skills and job skills for pioneering their entry in the latest technological areas and job domains; Encouraging self-employment and Sensitizing awareness for women's issues in the society. The college has hierarchical governance starting from the apex management supported by local management committee (now called College Development Committee) and various other committees at college level constituted of teaching and non-teaching staff. The committees execute their power in democratic ways and experience the decentralization of authorities with shouldering responsibilities. The institution has perspective/ strategic plan for its overall development. The college has well defined standard operating processes and the college functioning takes through various policies like quality policy, R & D policy. The parent samstha and the college have well defined service rules which are disseminated to employees. The e governance is administered in almost every practice in the college such as accounts, student admission, examinations, general administration etc. The college has effective welfare measures for its employees and has well defined and well-designed self-appraisals process leading to modern era of education. The College provides financial support to its employees for patent filing, copyrights, Book, book chapter publications, journal publications, attending conferences/ workshops, training programs, FDPs, seminars, workshops and towards membership fee of professional bodies and NPTEL – SWAYAM courses. The College organizes professional development and administrative training programs for its staff. The quality of all activities is supervised through a performance appraisal system. The IQAC cell ensures quality assurance in the teaching learning process. It also monitors the methodologies of operations and learning outcomes, program outcomes. The college regularly conducts internal and external financial and academic audits to control and regulate financial and academic activities. Quality is assured by IQAC cell through Feedback of stakeholders, inputs from apex management and regulatory authorities, accreditation and ranking agencies and affiliating university.

Institutional Values and Best Practices

The college has core values and shoulders social responsibility. The college works to inculcate the values amongst its student and amongst employees. Various events and drives are organized to address issues like Gender Equity & Sensitivity and many days are celebrated in the college to commemorate the importance of the days, events and festivals. To inculcate human values and professional ethics in students, college arranges various programs like celebration of birth and death anniversaries of famous personalities like Maharshi Karve, Swami Vivekanand, Dr. APJ Abdul Kalam, Dr. S. Radhakrishnan, and Sir M. Visveswaraiya. The college is

having practice to sing National Anthem every day during morning assembly and Aashram Prarthana on all occasions, parade on Independence Day. The college has provided adequate means to deal with safety and security which includes fire extinguishers, CCTV vigilance and 24-hour security guards. In order to ensure a green environment, the College has installed LED lighting and solar water heater, 12.5 KLD Sewage Treatment Plant is installed on the campus to recycle the wastewater for gardening, Rainwater Harvesting. The institution's NSS unit undertakes many activities on campus and the beyond campus for environmental promotion and sustainability. Facilities such as ramps, wheelchairs and restrooms are provided for differently abled students / employees at all buildings. The College undertakes green audit and environment audit periodically. Institutional distinctiveness is in providing financial assistance to needy and deserving students. Every one student out of three receives financial support. The college has signed MoU with 54 + industries to undertake industry linked activities like projects, internships, setting up of emerging area facilities, visits, skill development programs, etc. The college also offers strong technical support to students in collaboration with industries like Cummins India Ltd, Persistent System Pvt. Ltd., HCL and many more. The gym is equipped with the latest modern equipment to keep students fit and healthy.

2. PROFILE

2.1 BASIC INFORMATION

Name and Address of the College	
Name	CUMMINS COLLEGE OF ENGINEERING FOR WOMEN
Address	MOUJE SUKALI (GUPCHUP), TALUKA HINGNA, NAGPUR
City	NAGPUR
State	Maharashtra
Pin	441110
Website	www.cumminscollege.edu.in

Contacts for Communication					
Designation	Name	Telephone with STD Code	Mobile	Fax	Email
Principal	Milind Khanapurkar	07104-9657667030	9922411221	-	office@cumminscollege.edu.in
IQAC / CIQA coordinator	Mrs. Sanjivani Shastri	07104-8055935567	9850385463	-	sanjivani.shastri@cumminscollege.edu.in

Status of the Institution	
Institution Status	Private and Self Financing

Type of Institution	
By Gender	For Women
By Shift	Regular

Recognized Minority institution	
If it is a recognized minority institution	No

Establishment Details	
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State	University name	Document
Maharashtra	The Rashtrasant Tukadoji Maharaj Nagpur University	View Document

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

Details of recognition/approval by stationary/regulatory bodies like AICTE,NCTE,MCI,DCI,PCI,RCI etc(other than UGC)				
Statutory Regulatory Authority	Recognition/Approval details Institution/Department programme	Day,Month and year(dd-mm-yyyy)	Validity in months	Remarks
AICTE	View Document	02-06-2023	12	EOA issued
AICTE	View Document	02-06-2023	12	EOA issued
AICTE	View Document	02-06-2023	12	EOA issued
AICTE	View Document	02-06-2023	12	EOA issued
AICTE	View Document	02-06-2023	12	EOA issued
AICTE	View Document	02-06-2023	12	EOA issued
AICTE	View Document	02-06-2023	12	EOA issued

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	MOUJE SUKALI (GUPCHUP), TALUKA HINGNA, NAGPUR	Rural	23	10065

2.2 ACADEMIC INFORMATION

Details of Programmes Offered by the College (Give Data for Current Academic year)						
Programme Level	Name of Programme/Course	Duration in Months	Entry Qualification	Medium of Instruction	Sanctioned Strength	No.of Students Admitted
UG	BTech,Computer Engineering,BE OR BTECH	48	The Candidate should be an Indian National; (ii) Passed HSC or its equivalent examination with Physics and Mathematics as compulsory subjects along with one of the Chemistry or Biotechnology or Bi	English	120	120
UG	BTech,Electronics And Telecommunication,BE OR BTECH	48	The Candidate should be an Indian National; (ii) Passed HSC or its equivalent examination with Physics	English	60	58

			and Mathematics as compulsory subjects along with one of the Chemistry or Biotechnolog y or Bi			
UG	BTech,Mech anical Engine ering,BE OR BTECH	48	The Candidate should be an Indian National; (ii) Passed HSC or its equivalent examination with Physics and Mathematics as compulsory subjects along with one of the Chemistry or Biotechnolog y or Bi	English	60	47

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	4				8				27			
Recruited	0	0	0	0	0	0	0	0	6	7	0	13
Yet to Recruit	4				8				14			
Sanctioned by the Management/Society or Other Authorized Bodies	0				3				26			
Recruited	0	0	0	0	2	1	0	3	15	11	0	26
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						19
Recruited	14		5		0	19
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				16
Recruited	15	1	0	16
Yet to Recruit				0

Qualification Details of the Teaching Staff

Permanent Teachers										
Highest Qualification	Professor			Associate Professor			Assistant Professor			Total
	Male	Female	Others	Male	Female	Others	Male	Female	Others	
D.sc/D.Litt/LLD/DM/MCH	0	0	0	0	0	0	0	0	0	0
Ph.D.	0	0	0	0	0	0	1	4	0	5
M.Phil.	0	0	0	0	0	0	0	1	0	1
PG	0	0	0	0	0	0	5	2	0	7
UG	0	0	0	0	0	0	0	0	0	0

Temporary Teachers										
Highest Qualification	Professor			Associate Professor			Assistant Professor			Total
	Male	Female	Others	Male	Female	Others	Male	Female	Others	
D.sc/D.Litt/LLD/DM/MCH	0	0	0	0	0	0	0	0	0	0
Ph.D.	0	0	0	2	1	0	3	4	0	10
M.Phil.	0	0	0	0	0	0	0	0	0	0
PG	0	0	0	0	0	0	11	7	0	18
UG	0	0	0	0	0	0	0	0	0	0

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

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

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	0	0	0	0	0
	Female	723	44	0	0	767
	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	0	0	0	0
	Female	29	21	16	25
	Others	0	0	0	0
ST	Male	0	0	0	0
	Female	7	2	0	1
	Others	0	0	0	0
OBC	Male	0	0	0	0
	Female	114	110	70	64
	Others	0	0	0	0
General	Male	0	0	0	0
	Female	58	38	53	31
	Others	0	0	0	0
Others	Male	0	0	0	0
	Female	49	31	26	22
	Others	0	0	0	0
Total		257	202	165	143

Institutional preparedness for NEP

1. Multidisciplinary/interdisciplinary:	University has redesigned the curriculum in view of NEP-20 implementation. The institute faculty have taken part in focus groups workshops / BoS of university. The institute ensures that the student
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	<p>undertakes multidisciplinary courses through program electives and open electives / under CBCS pattern. The redesigned NEP CBCS schemes has a multi-entry exit facility in the form of various level certifications. The schemes have credit courses such as projects, social internships, courses on environmental aspects, ethical and professional practices with sufficient weightages. Multidisciplinary groups of students are formed for projects / internships / clubs and professional society. The curriculum of the courses has the conceptualization of engineering fundamentals leading to providing better and optimized solutions to social complex engineering problems. In line with the vision of NEP-20, the institute wishes to become autonomous with an objective to cater to the stakeholders and society in the best possible way to the utmost satisfaction. Institution has registered an ABC login account. Faculties and students are encouraged to register for NPTEL-SWAYAM thrust area courses and thus leading to credit transfer. Faculty design their course delivery material and methodology through knowledge upgradation through training / workshops and SWAYAM courses. The assignments and internal evaluation parameters encourage students to self-study.</p>
2. Academic bank of credits (ABC):	<p>The institute has registered for ABC. ABC .College has made all students to register online for ABC . Till last year 50 percent of the students have registered. Now college has taken steps to register first year students on the portal to get ABC registration ID.</p>
3. Skill development:	<p>Skill development is a unique feature of the institute. Departments organize skill development programs in association with industries. A few of the recently organized thrust area SDPs are IoT, Creo, Auto CAD, ANSYS, Data Analytics, Java, Python, Oracle ,MATLAB, etc. HCL & CIL are the prominent partners for imparting skills. The program scheme has credit courses on universal human values, yoga, etc through which value-based education is imparted. As a part of Club, Professional Society, NSS Cell, Induction Programs and likewise programs, the essential content in view of modern era education like scientific temper, peace, professional ethics, alert citizen are imparted to students in direct or indirect way to ensure value-based education leading to become responsible citizens.</p>

<p>4. Appropriate integration of Indian Knowledge system (teaching in Indian Language, culture, using online course):</p>	<p>Institute plans for incorporating the courses and contents related to Indian knowledge systems including Indian languages, Vedic Mathematics, Ayurveda, Yoga, Art and Culture, Indian Classical Music, Indian classical Dance, Excursion of Historical Places and Monuments, Traditional / Ancient Indian Engineering and Scientific systems and processes, Indian regional festivals, traditions, and its importance etc in the curriculum</p>
<p>5. Focus on Outcome based education (OBE):</p>	<p>The institute rigorously follows the outcome-based education. The courses have been defined with Bloom's taxonomy course outcomes. The COs are mapped with POs and PSOs in the form of CAM and PAM. Through activity-based learning, projects, internships, laboratory, and theory courses it is ensured that the COs are attained to satisfactory level. The gap analysis is done to find the courses responsible for respective contribution toward non attained Pos and PSOs. The compliance cum corrective actions are initiated. For the attained POS, PSOs, the target levels are redefined to higher incremental level.</p>
<p>6. Distance education/online education:</p>	<p>As of now, the institute has initiated and to some extent implemented the ODL through NPTEL -SWAYAM, Coursera courses, Virtual Laboratories. During COVID period institute implemented online teaching. The faculty and students have registered for the courses and have been awarded the certifications and thus earned credits.</p>

Institutional Initiatives for Electoral Literacy

<p>1. Whether Electoral Literacy Club (ELC) has been set up in the College?</p>	<p>The college has an Electoral Literacy Club, comprising four student members and one designated leader. This club actively orchestrates various activities, such as the commemoration of National Voter Day, Voter's awareness camp etc. During such events, experts deliver lectures to enlighten students about the significance of voting. Beyond these efforts, the college conducts specialized camps in our adopted village. Our members and NSS volunteers diligently engage in surveys and proactively educate the residents of surrounding areas about the importance of voting. institute annually organizes a</p>
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	<p>voter registration camp in association with local civic authorities for its students and students at adjoining colleges.</p>
<p>2. Whether students' co-ordinator and co-ordinating faculty members are appointed by the College and whether the ELCs are functional? Whether the ELCs are representative in character?</p>	<p>The college celebrates National Voters Day on January 22 of every year. The college also ensures the sensitization of students and employees to participate in voting and election related processes. The students and employees respond to calls by the election commission and local authorities for new voter registration, voter list up-dations, and help in electoral process by encouraging the friends, relatives, etc for voting at the time of election.</p>
<p>3. What innovative programmes and initiatives undertaken by the ELCs? These may include voluntary contribution by the students in electoral processes-participation in voter registration of students and communities where they come from, assisting district election administration in conduct of poll, voter awareness campaigns, promotion of ethical voting, enhancing participation of the under privileged sections of society especially transgender, commercial sex workers, disabled persons, senior citizens, etc.</p>	<p>The college extends its cooperation in the electoral process by nominating / deputing the employees of different cadre for various elections conducted by election commission of India for eg general elections, legislative elections, local bodies elections, university elections and also by affiliating university for senate elections, BoS elections, management council elections, etc.</p>
<p>4. Any socially relevant projects/initiatives taken by College in electoral related issues especially research projects, surveys, awareness drives, creating content, publications highlighting their contribution to advancing democratic values and participation in electoral processes, etc.</p>	<p>The college believes in democratic structure of governance for employees and students. The administrative hierarchies in faculty portfolios and in various councils / chapters/ clubs of students functions in democratic way with decentralization of authorities and each one in the respective hierarchical level shoulders the rendered responsibility. The college has Dean of student activities. Dean SAC administers through student representative council comprising of office bearers of student's forums, clubs, professional society chapters, class representatives, gymkhana and gathering secretaries, NSS cell etc. The nominations to various office bearers post are done through electoral process. The process is executed with well defined standard operating procedures. The nominations are called, aspiring candidates are given time to reach out to student voters for campaigning. The voting is executed on ballot paper and the committee comprising of faculty members undertakes counting. Thus, the elected students for different posts from student council to undertake various events throughout the academic year. The practice followed</p>

	<p>in the college ensures awareness amongst the students toward the election process leading to electoral literacy.</p>
<p>5. Extent of students above 18 years who are yet to be enrolled as voters in the electoral roll and efforts by ELCs as well as efforts by the College to institutionalize mechanisms to register eligible students as voters.</p>	<p>The NSS unit of the college has taken efforts for enrolling the students in the electoral list. Our college organized an intercollegiate reels making competition as instructed by the Tahsil office Government of India. It's even better that our college selected two outstanding reels and that two of your students received appreciation letters for their exceptional work. Our college received recognition for its cooperation in organizing a voter registration camp by the NSS unit from few years. These achievements reflect the dedication and hard work of the students and faculty involved. In addition College conducted the voting awareness campaigns to increase the voting percentage in election for better future.</p>

Extended Profile

1 Students

1.1

Number of students year wise during the last five years

2022-23	2021-22	2020-21	2019-20	2018-19
606	487	416	363	347

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: 52

File Description	Document
Upload Supporting Document	View Document
Institutional data in prescribed format	View Document

2.2

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

2022-23	2021-22	2020-21	2019-20	2018-19
34	34	29	36	36

3 Institution

3.1

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

2022-23	2021-22	2020-21	2019-20	2018-19
639.99	436.09	350.99	460.83	665.77

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:

Effective curriculum delivery is the heart and soul of the college and is ensured through a well-planned and documented process. Semester readiness starts with the academic calendar, which is prepared after studying the university academic calendar which includes the important activities and events to be conducted throughout the session. The important activity related to curriculum delivery is load distribution, which is also done in advance considering experience and specialization of the faculties. The college allows complete freedom to students to make a choice of offered elective courses and this is also done through a documented process before preparation of Timetable. Timetable committee prepares the timetable. Each course faculty then prepares its Lesson / Teaching Plan and Laboratory Plan according to the timetable and Academic Calendar. The LP/TP presents a complete roadmap about how each faculty is going to do the effective delivery of their syllabus. Orientation program and Skill Development Programs are conducted during the first week of every new session i.e. at the start of the semester to introduce skills and knowledge beyond the syllabus and make our students ready to face the challenges of engineering. Course syllabus and outcomes are conveyed to students in the first lecture of course. CO-PO-PSO mapping is done, and attainment is done at the end of every semester to find the gap analysis. The course files of faculties are monitored twice a semester by the documentation committee through internal audit team and reports are prepared and shared with Principal, Dean Academics, Dean IQAC and faculties. Course completion as per the LP/TP is monitored periodically during the session by HOD. Weekly syllabus completion report is submitted to IQAC department by the respective departments. Monthly reports are also submitted by the faculties to mention their progress and involvement in the institute throughout. Laboratory manuals are prepared in advance. Laboratory procurements are done before the semester to ensure availability of equipments for the practicals. The college gives special importance to students' projects. Project Standard operating Practices is conveyed to students. Project Topics are selected before the start of semester and project guides are allotted as per their specialization. Synopsis submission is done by the students before the current semester. Regular project progress seminars / presentations are carried out to check the progress of the students once a month. Sessional question paper settings are done by the faculties on the basis of course outcome and Blooms Taxonomy level fulfillment. The internal examination papers are first moderated by the Head of the Department and then forwarded to the examination department for further processing. Student hour and Library/Sports hour are the special features which ensure conduction of various student activities other than teaching. The college has professional society student chapters like IEEE, ISTE, IETE, ASM, CSI etc. and has various student clubs along with active NSS cell. Each of the forums has a student activity committee/office bearer who takes care of coordination of the technical and non-technical events/skill development programs. Students and faculties are also encouraged to persuade MOOCS/SWAYAM/Coursera for various courses to enhance their knowledge and skills.

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: 39

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

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: 81.79

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

2022-23	2021-22	2020-21	2019-20	2018-19
513	412	330	290	270

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 college is affiliated to RTM Nagpur University and has adopted outcome-based education approach, with the mission “To develop technically and academically sound women professionals, having strong work-ethics and good human-being characteristics”. The college integrates crosscutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability into the curriculum through courses and by organizing the activities of various professional student chapters, various student clubs and active NSS cell. The courses like Industrial Engineering, Industrial Management, Professional ethics, Universal Human Values, Ethical Science and Environmental studies, Industrial Economics and Entrepreneurship Development, Functional English, IPR, Audit, Electronic Workshop, Internship, Technical Report Writing and Seminar are included in the curriculum.

The CO-PO/PSO attainment is being completed to judge whether the issues are imparted or not and are followed by students and suitable actions have taken to address the gaps. Ethical science course mostly concerned towards inculcating human values, professional ethics, whereas environmental science developed a concern towards environment and sustainability.

Courses like Energy Conversion, Advanced Production Process, Control Systems, and Engineering Chemistry also covered topics related to energy and its impact on environment and sustainability. Students have undertaken various projects related to solid waste, green energy, safety, cyber security leading to address cross cutting issues.

To achieve the stated outcomes, along with the curriculum, college conducts various activities through professional student chapters (IEEE, MA, CSI, GDC, NSS, IETE, ISTE) and student clubs. College addresses professional ethics and human values issues through several activities like team building, yoga meditation, mind mapping, personality development, arts, and human values in student induction program. Eminent personalities from social background, industry and academics are invited to talk on gender specific issues like women centric issue, health hygiene, cybercrime and security, food nutrition, skill development, communication skills. The college has also taken several green initiatives in terms of infrastructure to protect and nurture the environment.

The activities of NSS unit, professional student bodies and clubs give firsthand professional experience through its planning till execution. Participation in various activities helps students to enhance their understanding and sensitivity towards cross-cutting issues. The college has adopted a few adjoining villages for undertaking social activities toward social awareness amongst students. The NSS activities

like teaching fundamental concepts of mathematics and science, crafting and Yoga to village students created the sense of social responsibility amongst students. Activities like Street Play on Environment, Each one Plant one, Vaccination Drive, Blood Donation, Tree Plantation, Donation of used items for the needy of the society, Awareness programs on social issues like cleanliness, digital payments, education, traffic safety, e-waste collection helped students to develop positive attitude towards cross-cutting issues. To inculcate human values in students and make them a responsible citizen of the nation, the college celebrates the Women's Day, Independence Day, Republic Day, National Youth Day, World Students Day, etc and encourage students to participate in various activities under Unnat Bharat Abhiyan such as cleanliness drive. The college makes all sorts of efforts for the integration of issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability.

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: 99.83

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

Response: 605

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

1.4 Feedback System

1.4.1

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

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

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

Criterion 2 - Teaching-learning and Evaluation

2.1 Student Enrollment and Profile

2.1.1

Enrolment percentage

Response: 61.78

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

2022-23	2021-22	2020-21	2019-20	2018-19
180	125	111	78	62

2.1.1.2 Number of sanctioned seats year wise during last five years

2022-23	2021-22	2020-21	2019-20	2018-19
180	180	180	180	180

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: 77.56

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

2022-23	2021-22	2020-21	2019-20	2018-19
90	90	86	51	32

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

2022-23	2021-22	2020-21	2019-20	2018-19
90	90	90	90	90

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: 17.82

2.3 Teaching- Learning Process

2.3.1

Student centric methods, such as experiential learning, participative learning and problem solving methodologies are used for enhancing learning experiences and teachers use ICT- enabled tools including online resources for effective teaching and learning process

Response:

The college intends to adopt innovative and better methods of teaching, learning and evaluation to blend with the conventional methods and in that process has tried to focus on activity-based teaching - learning. The activities are focused on but not limited to identification of parts & equipment, its uses, its applications, concept learning, logical reasoning, technological requirements, societal requirements, functions, characteristics etc. Students are given a flavor of experiential learning, problem solving methodologies and participative learning by activity-based learning through laboratory sessions, tutorials, projects, internships, industrial visits, programming practice coding sessions, workshop practices etc with extensive use of IC tools. Students are made to learn and explore various software like MATLAB, CATIA, CREO, CAD CAM, ANSYS and VLSI, SCILAB, ECLIPSE, NET BEANS, VISUAL STUDIO CODE, LABVIEW, TURBOC, ORACLE SQL, R STUDIO, ANACONDA, SPYDER, POWER BI etc. and major hardware platforms like 3D printers, lathe, turbo charger, spectrum analyzer, IoT kits, Robotics, IC engines, data routers etc in addition to conventional experimental setups. There are various clubs like the CODERS, MEGA, Muktangam, Techno former, Rise & Shine, GDSC and professional society chapters & associations like IEEE, IETE CSI and ASM to further facilitate the experiential enhanced learning experience. Faculties urge students to create miniature working models of mechanisms and machine components, consequently growing their curiosity and level of learning. Students are made to prepare and deliver presentations. Classroom quizzes aided in generating interest by breaking up the monotony of normal classes while also improving the learning experience. Students are motivated to attend exhibitions, training sessions, workshops, seminars, conferences, and students' development programs conducted within and outside the college. Live problem statements are given as projects / internships to be implemented in laboratories & workshops. Journals, Research articles, Magazines are made available to the students for reference to topics of their interest taught during lectures. Industrial visits are arranged for better learning of the industrial set-ups and work culture. Student centric activities include awareness of the latest technologies which industries use, understanding drone technologies, applications of software, soft & technical skills, etc. Students are given the opportunity for active experimentation and concrete experience through a variety of carefully designed project-based learning experience, problem- based internship learning experience, game-based learning experience, laboratory experiments, service-based learning, and other activities. Apart from the skillsets provided by the college, students are participating in groups for projects / internships performed by them, during skill development weeks, and training through external agencies and faculties. Apart from those identified by the students, problem statements are thrown at them and expected to be solved. The courses / curriculum has theory/ practical/ Tutorial / project / internships components. Laboratories courses are provided in sufficient proportion to give enough exposure to experiential learning. Theory courses have problem solving methods as a part of curriculum. Few theory courses have tutorials in which problem-solving sessions are conducted for small groups of students. Projects/ Internships provide a platform to students/group for actual implementation in the form of experiential learning of what they have studied theoretically.

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

2.4 Teacher Profile and Quality

2.4.1**Percentage of full-time teachers against sanctioned posts during the last five years****Response:** 88.02**2.4.1.1 Number of sanctioned posts year wise during the last five years**

2022-23	2021-22	2020-21	2019-20	2018-19
36	36	48	36	36

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:** 23.08**2.4.2.1 Number of full time teachers with NET/SET/SLET/Ph. D./ D.Sc. / D.Litt./L.L.D year wise during the last five years**

2022-23	2021-22	2020-21	2019-20	2018-19
13	8	6	6	6

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:

In terms of the evaluation process the affiliating university norms are rigorously followed for both internal and external assessment. Two internal tests are carried out throughout the semester. The theory courses are evaluated through university assessments (weightage- 80%) and internal assessment (weightage: 20%) while for laboratory courses the weightage percentage of university and internal assessment is 50% each. In each laboratory session, the student is evaluated by viva questions and observations. Periodic project assessments are conducted to assess critical features such as problem formulation, project understanding, and presenting ability, communication of ideas, technical expertise, teamwork, and project management. The project review committee formed at departmental level performs review sessions to assess each project batch's progress.

Practices followed for effective and time bounded Internal Evaluation System

Internal examination commencement along with paper showing followed by parent-teacher meet are presented in the academic calendar & communicated with students & faculties in advance.

1. Timetables for all the internal examinations are prepared considering the dates given in the academic calendar and are communicated to the students prior to the week of the examination.
2. The completion of syllabi for respective examinations is ensured for all courses.
3. The paper pattern and the syllabus have been mentioned in the notices related to the sessional examinations and are transacted.
4. Question papers are prepared by the faculties well in advance and moderated by the moderation committee comprising of senior faculty before submission to examination section.
5. The examination committee makes all the arrangements for the examination conduction.
6. Invigilators are appointed and strict discipline is followed in the examination halls for faithfulness and integrity of the examination process.
7. After the examination, the bundle of answer sheets is handed to the concerned subject teachers and the teachers are directed to complete the evaluation task within four (4) days.
8. Faculties distribute evaluated answer sheets to students for verification and grievance if any.
9. If there are no grievances, then students are directed to put the signature on the answer sheets. In case of grievances, it is discussed / re- solved by concerned subject teachers.
10. If any student remains unsatisfactory at faculty level, then, she may approach hierarchical higher authorities for resolving.
11. If there are grievances apart from any individual subjects, then the examination committee addresses and satisfies such grievances.
12. Results are displayed on the notice boards and Parent-Teacher meet is conducted by each department.

University Level Assessment

The institute follows norms of affiliating university for university examination. The examination committee makes sure that students will receive examination time tables on time. It also makes sure that students will collect hall tickets before two days of the examinations. After the results, students can apply for revaluation of their answer sheets within a week if they are not satisfied with the marks awarded to them. The applications of revaluation are processed through the college for further needful processes at affiliating university level. For laboratory courses, the university appoints the external examiner, who is responsible to conduct examination along with internal examination and college authorities.

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

2.6 Student Performance and Learning Outcomes

2.6.1

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

Response:

The college follows Outcome Based Education. The Course outcomes, Program outcomes (Defined by NBA), Program Specific Outcomes for programs offered by the college are well defined and posted on the website of the college. The COs, POs and PSOs are disseminated to stakeholder students. The key functionaries of the college like Dean for Academic Affairs and Heads of the Departments and senior faculty of department are involved in defining COs of courses and PSOs of programs. The OBE curriculum consists of course contents / syllabi (six -units), 45 + contact hours, books, teaching methods, course objectives & outcomes. The course outcomes are defined for each course by referring to Bloom's Taxonomy & it addresses the learning levels of students. Course Outcomes (CO) are created in consultation with course teachers and in accordance with projected cognitive, emotional, and psychomotor learning levels at the end of course. The Program Specific Outcomes (PSO) are developed by the departments based on its vision, mission, and scope of the program. The COs are mapped to scale of 0 - 3 with PSOs and POs in the form of Course Articulation Matrix (CAM) and Program Articulation Matrix (PAM). Course outcomes are assessed at the end of each course, and POs and PSOs are assessed at the end of the program. The attainment of COs, POs and PSOs are evaluated to find the gap analysis. Based on gap analysis with reference to attainment levels the courses need improvements are identified and for such courses the actions are recommended or initiated like the delivery methods, more problem solving / programming – coding sessions, thrust area skill development, live projects and core area internships etc. The implementation of OBE has improved the CBCS curricula, and the courses are infused with desirable objectives. The evaluation technique is modified to evaluate courses based on desired outcomes. OBE has helped students to achieve higher order learning levels based on revised Bloom's Taxonomy, and acquire many competencies required for each course. It has also helped students

to develop employability and entrepreneurial skillsets and abilities. OBE improved the courses offered in each program, update faculty with knowledge and skills. It has instilled in them a desire for vertical advancement in their future activities. Many faculty have undertaken NPTEL-SWAYAM courses for better understanding of OBE leading to its effective implementation. The teachers are trained to focus on the students' attainment of higher order learning to enhance diverse talents, particularly their cognitive thinking.

Program outcomes (PO's), Program Specific Outcomes (PSOs) and Course outcomes (COs) for all programs offered by the institution are stated and displayed on the website & attainment levels of CO's POs & PSOs are computed and are evaluated. Alumni and other stakeholders' suggestions were also considered. The entire curriculum has been rewritten in conjunction with professionals, and the evaluation style is updated as per the findings of computation / gap analysis. The Outcome Based Education system is explained to student stakeholders by appropriate senior faculty along with course teachers and through college website.

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:

The departments of the college have defined course outcomes for each course in line with as per blooms taxonomy and the level mapping is done for course outcomes with program outcomes and program specific outcomes in the form of program articulation matrix and course articulation matrix. The course outcomes / program outcomes and program specific outcomes are discussed with the students at the very first lecture. Attainment levels of COs and subsequently with PO and PSO are computed and thus evaluated leading to gap analysis and actions to be initiated.

The attainment of COs and PO/PSOs are done in the following manner:

1. Course outcomes are computed at the end of the course and POs and PSOs are evaluated once in duration of degree i.e. four years.
2. An excel sheet is prepared for each course which further includes separate sheets for evaluation parameters such as sessional exams marks, assignments, other internal assessments, and university assessments.
3. The cover sheet contains data about the course details, CO codes and attainment levels. Three levels are assigned.
4. If 40% of the student scores more than or equal to 60% marks, then the attainment level is 1.

- 5.If 50% of the student scores more than or equal to 60% marks, then the attainment level is 2.
- 6.If 60% of the student scores more than or equal to 60% marks, then the attainment level is 3.
- 7.Marks are entered in internal and university examination sheets as and when the assessment is done, and levels are obtained.
- 8.The average sheet shows the average attainment level.
- 9.CO attainment for each CO is computed in separate sheet. Here course end feedback is given weightage of 25% and other exams as 75%.
- 10.Finally, an array is prepared for CO-PO-PSO mapping at the end brings CAM-PAM.
- 11.The CO-PO-PSO mapping for all the course is then compiled in a single sheet.
- 12.After attainment levels are compute, the levels are compared with target and the declaration is made for whether specific PO/PSO is attained or not.
- 13.For attained PO/PSO the new target is defined for next session.
- 14.For not satisfactory attained PO/PSO, the courses which COs are not attained properly are identified.
- 15.For such identified responsible courses, the COs which are not attained are noted. This is referred as gap analysis.
- 16.After gap analysis the curriculum delivery actions are taken, such as more problems solving sessions are conducted, lab program practice is taken, maths sessions are conducted, projects are executed.

The CO sheet has separate sheets for sessional examinations, assignments, GD/Class Test/Seminar, University Result. The sessional examinations are conducted twice in the semester, whereas the course end feedback is collected at the end of the semester. Assignments are given thrice in the semester. Other internal assessments like seminars, class tests, GD activity, etc. are conducted by subject teachers as per the need. After feeding this data, average and final outcomes are computed as the per the defined formula. The information related to SO-PO-PSO is posted on college website.

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

2.6.3

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

Response: 98.73

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

2022-23	2021-22	2020-21	2019-20	2018-19
99	91	102	96	80

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

2022-23	2021-22	2020-21	2019-20	2018-19
103	91	102	96	82

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

2.7 Student Satisfaction Survey**2.7.1****Online student satisfaction survey regarding teaching learning process****Response:** 3.74

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: 353.05

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

2022-23	2021-22	2020-21	2019-20	2018-19
112.46	80.74	55.23	50.68	53.94

File Description

Document

Upload supporting document

[View Document](#)

Institutional data in the prescribed format

[View Document](#)

3.2 Innovation Ecosystem

3.2.1

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

Response:

The college has created an ecosystem for innovations including awareness about IPR, Incubation centre and other initiatives for the creation and transfer of knowledge / technology and the outcomes of the same are evident. The college has created an ecosystem for innovations and following initiatives have been taken for the creation and transfer of knowledge. The institute continuously strives to promote a culture of innovation by encouraging students, faculty, and staff to think creatively and undertake projects based on innovative ideas. This culture has been fostered through curriculum delivery, invited talks, events, competitions, workshops, skill development programs, conferences, professional society student chapter and student club activities that showcase student and faculty innovations.

- The institute has a research infrastructure that provides the resources and support needed for innovation, such as laboratories, equipment, and access to experts. The laboratories have been established with the support from industries like AI-ML lab is established with the support of

HCL, CAD lab, Automobile lab (Six-cylinder Diesel engine, section of four-cylinder Diesel engine, Rear Differential for Truck and Turbocharger), LabView lab, campus wide MATLAB and AWR lab with support from Cummins foundation.

- The institution has 50+ MoUs with various organizations and industries to undertake collaborative projects and workshops and other joint activities to foster innovation and transfer of knowledge between industry and academia. Guest lectures, internships, industry mentorship, industry visits and other such fruitful collaborative activities are regularly organized every semester under this collaboration.
- The institute is a Government of India MSME recognized host institute that provide support to entrepreneurs and start-ups, such as mentorship, and access to funding. The main objective of the Grant-in Aid scheme is to promote and support untapped creativity of individuals and to promote adoption of latest technologies in manufacturing as well acknowledge innovative MSMEs (ventures) that seek the validation of their ideas at the proof-of-concept level.
- The institute encourage faculties and the students to file the patents or copyrights for their innovative ideas and work.
- The institute has provided motivational incentives to the faculty who involve in acquiring Ph.Ds., in getting projects from external agencies and publish papers in conferences and journals and reimbursement for NPTEL / Swayam certification.
- Workshops, skill development programs and training programs are conducted regularly that teach students and faculty about innovation and entrepreneurship.
- Funding opportunities for students and faculty to undertake innovative projects.
- The institute has organised Internal Smart India Hackathon 2022 in March 2022
- The institute has organised Atal Tinkering Lab Hands-on Workshop on Internet of Things at Somalwar High-school and Junior College, Nagpur.
- The institute hosted the Hackathon Avishkaar 1.0 competition for converting creative concepts into tangible, digital or physical prototypes with positive societal effects.
- The institute has organised various programs regarding Indian Knowledge System like Tricks of Vedic Mathematics, Madhubani Art, Kalamkari Art, UHV, Yoga.
- The faculty is in contact with VNIT, RTMNU, and IIIT, Nagpur for collaborative joint research and innovation related activities.

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: 125

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

2022-23	2021-22	2020-21	2019-20	2018-19
41	29	24	12	19

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

3.3 Research Publications and Awards

3.3.1

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

Response: 0.6

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

2022-23	2021-22	2020-21	2019-20	2018-19
11	11	4	5	0

File Description	Document
Link to the uploaded papers, the first page/full paper(with author and affiliation details)on the institutional website	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

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:** 0.79**3.3.2.1 Total number of books and chapters in edited volumes/books published and papers in national/ international conference proceedings year wise during last five years**

2022-23	2021-22	2020-21	2019-20	2018-19
10	2	26	2	1

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

3.4 Extension Activities**3.4.1**

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

Response:

The motto of NSS unit of the college is to encourage the young generation to imbibe responsible citizen of country with social sense and to serve the nation to know the ground reality and connect with the neighbour community. Over the last five years, institute has conducted several extension activities in neighbourhood community aimed at impacting and sensitizing the students to social issues and to promote their holistic development.

- The NSS activities of the college are partially financed by NSS cell of affiliating university. The college has separate office and other facilities for NSS cell.
- The institute has UBA unit and has received funding from Directorate of Technical Education. “Unnat Bharat Abhiyan” a flagship national program of Ministry of Human Resource Development (MHRD), Government of India and IIT Delhi to develop villages in the vicinity of

institution. Under this we have adopted 5 villages Lakhmapur, Mandwa, Pipaldhara, Sukali and Salai Mendha.

- Total 100 + volunteers get registered every year. The unit organizes skill development activities in adopted villages like Computer Awareness, Yoga, Paper Craft, Communication skills etc. and many social awareness activities in campus.
- The NSS cell of the college has also organized many extension activities like Cloth Donation Drive, Street Play Mission Sahsi Blood Donation Camp Vaccination Drive Food-Plantation-Health Tree Plantation Drive, Health Check-Up Camp, Road Safety Awareness in association with organizations like NEERI, NGOs and Industries
- During Covid, our student volunteers, along with teaching and non-teaching staff conducted survey in adopted villages to identify the families benefitted by government scheme in association with UBA (Unnat Bharat Abhiyan of AICTE).
- Volunteers contributed “SHRAMDAN” to digging the dam in Mandwa and also participated in survey during Covid to ensure the facilities provided by government to village people with Jankalyankari Samiti.
- Volunteers has organized “JIGYASA” the motivational and career opportunities session for 12th aspirants as well as appeared students in various cities like Wardha, Chandrapur, Bhandara, Gondiya in past 5 years.
- Volunteers conducted Vigyan Sanskar Shibir for the students of 6th to 10th standard in collaboration with “VIGYAN BHARTI”. The faculties and students demonstrated the experiment on different subjects like Physics, Chemistry Mathematics and Electronics.
- Volunteers spread awareness about “Bachat gut”, Government scheme to village people. Also, student did survey in village to know the area which needs the development.
- NSS unit is associated with “Sewa International Foundation”. We have conducted the activity “Sewa Samwad” to encourage the volunteerism in students and “Sewa Hours” for villagers.
- The college further wishes to bring awareness in the village students about provisions of NEP -20, emerging and thrust areas in engineering and technology and other such activities leading to make our nation a developed superpower nation.
- Overall, these extension activities have a significant impact on students and the neighbourhood community. It sensitized the students to social issues, fostered empathy and encouraged active citizenship. Additionally, these activities helped the students to develop a holistic understanding of various social challenges and equipped them with essential skills for personal and community development.

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 NSS unit of the college has carried out several extension activities in and outside the campus and has received various awards, appreciations, recognitions from government and non-government agencies during the last five years. The main objective of the extension activities is to inculcate the sense of social responsibility and service to the community.

- The college has received **Emerging Business Award-2022** in category of “Excellence in women education and placement” given by **UCN, Nagpur**.
- The college has received “**ABO Business Impact Award**” in category of community impact education by **Cummins India Limited** for the outstanding efforts towards empowerment of women in vidarbha region.
- The college was one of the 6 host centers of **Vigyan Sanskar Shibir** and worked as a host for Shibir. The faculties and students at college demonstrated experiments on different subjects like physics, chemistry, mathematics and electronics to 202 students reached from 15 different schools near college campus and Hingna area. The dedication and keenness of the faculties and students was recognized and appreciated by Vigyan Bharati. The college received the certificate of appreciation and participation for this activity.
- The faculty received the letter of appreciation from Vision next foundation for best idea award during patent and idea fest activity.
- College has conducted the **Covid vaccination drive** in collaboration with Primary Health Center, Hingna. With this drive 250 students and staff benefited. The college was recognized by certificate of appreciation for this noble cause.
- The college has received certificate of appreciation for **voting registration camp** in collaboration with Tahsil office Hingna, Nagpur.
- The college organized **Blood donation camp** in association with Dr. Hedgewar Blood Bank, Nagpur and received appreciation for the same.
- The College has arranged a **street play on the environment** at Freedom Park, Sadar, in association with NEERI, Nagpur. This initiative was taken to make people aware about the measures of environmental protection for sustainable development.
- The college team has received third prize awarded by Maharashtra Kalopasak, Pune during the intercollegiate drama competition “**Purushottam Karandak**” -2022. The college bagged this award for the drama entitled “Patras Karan Ki”.
- The college received 2nd prize for innovative project competition awarded by Raman Science Center.

ASM international Pune Chapter given the certificate of appreciation to conduct **ASM chapter activities** at the college. Similarly, the faculty of the college got acknowledged as an executive committee member .

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: 76

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

2022-23	2021-22	2020-21	2019-20	2018-19
27	24	11	5	9

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

3.5 Collaboration

3.5.1

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

Response: 26

File Description	Document
Summary of the functional MoUs/linkage/collaboration indicating start date, end date, nature of collaboration etc.	View Document
List of year wise activities and exchange should be provided	View Document
List and Copies of documents indicating the functional MoUs/linkage/collaborations activity-wise and year-wise	View Document
Institutional data in the prescribed format	View Document

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 college is situated on a sprawling lush greenery campus spanning 22.85 acres on the bank of vena river with a built-up area of around 52,100 SQM.
- The college ensures availability of adequate physical infrastructure & ICT infrastructure considering AICTE norms.
- The campus boasts a range of facilities, including ICT Enabled Classrooms, Tutorial Rooms, Well-Equipped Laboratories, Data center, Mechanical Workshop, Central Library, Seminar Hall, Drawing Hall, Board Room, Girl's Common Room, Administrative Office, Private Chambers for Faculties, Canteen, Gym, Indoor Sports Room, and Playgrounds.
- The college has a central library, e-Library, reading room, with combined capacity of more than 150 students and utilizes the fully automated Koha Library Management System.
- To facilitate modern teaching methods, laboratories, seminar halls and all classrooms are equipped with ICT tools as teaching aids. Each department is equipped with 8 laboratories that meet the requirements specified by the statutory body. The campus houses a total of 317 computers for students that are connected to the internet through a LAN.
- The workshop of the college is huge and has all the necessary machinery and setups to undertake necessary skill development. Besides the workshop the college has a site office and spacious airy canteen along with stationary store.
- The college has administrative wing comprising of Chairman Chamber and Principal Chamber, Administrative Office, Board Room, Store etc.
- The college ensures convenient Wi-Fi access points throughout the campus, operating at a speed of 100 Mbps.
- To ensure uninterrupted power supply for the IT infrastructure and lab equipment, the institute has installed 14 UPS units (ranging from 2-10 KVA) and a 180 KVA DG set.
- Accessibility is prioritized with the provision of lift / ramp facilities for Divyang individuals.
- To enhance the teaching facilities, the college has installed four cybernetic devices with white boards so that it can be used as smart boards and two smart boards (TV).
- The institute recognizes the importance of sports, games, and cultural activities and provides ample space and facilities to support such endeavors. There are a total of four play / activity grounds available on the campus, Two playgrounds are located in Wing A and Wing B with each one as an area of 100 × 90 SQFT and cricket ground on the front side and open air green gym. The Wing A ground features a volleyball court, while the Wing B ground is utilized for sports such as Kho-Kho, Kabaddi, and Tug-of-war. Additionally, Wing B has a dedicated room for

indoor games like table tennis, carrom and chess.

- For fitness enthusiasts, the institute boasts a fully equipped gymnasium located at the girl's hostel. The gym has the required area and is equipped with machines such as shoulder press, chest press, hip machine, high low pulley, and more.
- For security purposes the college has installed CCTV all over the campus.
- Overall, the college provides a comprehensive range of academic facilities, support to technical activities, opportunities for physical activities, cultural events, ensuring a conducive learning environment for students and faculty members.

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

4.1.2

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

Response: 34.45

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

2022-23	2021-22	2020-21	2019-20	2018-19
217.78362	138.62691	111.62957	144.80278	266.83877

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

4.2 Library as a Learning Resource

4.2.1

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

Response:

- The institute has a central library with stack sections, a book issue and return counter, a reading area, reference section, ICT section, and a separate reading room facility. The central library has a total capacity for more than 200 students.
- The library operates under the guidance of an advisory committee, chaired by the principal, with one faculty member representing each department.
- The institute's library is well-stocked with an ample number of books, e-books, journals, e-journals, magazines, and book-bank facility.
- The library includes a total of 2946 titles, a total of 13429 books and total no. of 300+ e-books.
- Books are procured as per the norms of AICTE as well as according to the number of students in the college.
- The library has a total of 25 journals out of which 21 are national and 4 are international journals and one e-journals J-gate. (Science & Technology)
- Book and journal procurement follows a process where the librarian acquires them based on recommendations from faculty members and committee members. The recommendations are reviewed and approved by the library advisory committee.
- To streamline library operations and record-keeping, the college library previously used the SLIM21 software (version 3.7.0) until November 2022. However, the college has purchased the Fully Automated Koha Library Management Software with the latest version 21.05.07.000, which is currently in use.
- KOHA Library Management system provides Web OPAC (Online public access catalog) software in and off campus to check the availability of books and for reserving the books to students & faculties. Students can issue and return books and are reminded for renewal and over dues.
- The book bank facility is given to the students with good ranks (5 students from each semester each branch) under which books are provided to them for whole semester.
- Apart from central library, institute also has departmental libraries that are enriched with the dissertation reports of final year students, Catalogues, manuals, sample copies of reference books.
- The library has 10 personal computers to access e-resources, e-contents and e-journals.
- To facilitate easy access to library resources, students are allowed to browse the book racks, and chosen books are issued using a barcode system that scans both the book and student ID. The library committee has taken steps to make the library user-friendly, which provides facilities such as renewal of books and overdue reminders for users.
- Moreover, the library offers various additional services and facilities, such as access to university question papers and publications, NPTEL videos, and e-journals, which are made available on designated computers. Through the J-Gate facility, e-journals can be accessed outside the college campus.
- College has National Academic Depository (NAD) registration to provide an online store house of all academic awards having NAD ID NAD083154.
- Overall, the institute's library provides a wide range of resources, employing modern library management software, and implementing user-friendly initiatives to enhance the learning and research experience for students and faculty members.

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

4.3 IT Infrastructure

4.3.1

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

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

Response:

- The college has taken significant steps to meet the ICT needs of both students and faculty. Currently, the institute boasts a network of 317 computers for students interconnected via a Local Area Network. These computers serve various purposes and are crucial for the academic and administrative functions of the institution.
- The computers of DSP lab of ETC Department have been upgraded from Thin client to Desktop which have configuration HP Pro SFF 280 G9 Base Unit -RCTO - I7 Base PC with 16 GB of RAM having Windows 10 Education Operating System.
- The college have established AI/ML laboratory in association with HCL which have latest PC HP ProDesk 400 G7 Microtower PC with Windows 10 Education Operating System which also has 2 GPU enabled PC with configuration DELL i7 with 32 GB Ram including Windows 10 Education Operating System.
- The college has an online conferencing system for online meetings which includes 1800 wide angle cameras with 1080p 10X Zoom and an Quadro for voice assistance.
- In addition, the college has recently acquired two new servers: The HPE DL380 (G10) for storage and the HPE Easystore 1460 NAS server, which facilitates backup replication between the Data Center in Pune and the Disaster Recovery Data Center in Nagpur.
- For instructional purposes, the college has installed two smart boards in two classrooms to provide an interactive learning environment.
- Twenty-one printers are distributed across various laboratories, two barcode scanners exclusively for library operations, and three scanners.
- To enhance the learning experience, 23 LCD projectors are installed in the college including seminar hall and classrooms with sound system.
- Beyond traditional computing, the institute offers two tablets and eight laptops for flexibility in educational endeavors.

- The institute's internet facility upgraded from 50 Mbps to 700 Mbps for high speed and uninterrupted internet connectivity.
- To manage network traffic effectively, a wifi access point/router dedicated to the CC lab, situated within the main networking lab. In a move to enhance network security and performance, the institute transitioned from unmanageable network devices to manageable switches. This transition includes the use of one CISCO SG350 Layer three 24-4 port switch, 20 CISCO SG350 Layer-2 24 port switches, Aruba 1960 1G 4 port SFP port switch and a Fortigate 200f firewall.
- In addition to these measures, the institute has taken steps to strengthen network security by renewing its antivirus software (Seqrite Endpoint Protection) for three year.
- Software resources are also plentiful, catering to various academic and administrative needs. The institute offers a range of software packages, including different versions of Windows operating systems, RDP licenses for Windows Server, Office 2010 & Office 365, MATLAB, Orell Digital Language Lab for communication, LabVIEW, AWR, CIMSIM, ANSIS 18, Siemens PLC software, CERO 2.0, AutoCAD, Kiss Slicer, Gas Analyzer, UTM, and antivirus software like Seqrite Endpoint Protection.
- To streamline data management, college has established a Data Center which centralizes the storage of all data and IT assets, allowing for efficient management, retrieval of information, which ensures the reliability and availability of critical information resources.
- For security purpose college has installed CCTV all over the campus.

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

4.3.2

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

Response: 1.91

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

Response: 317

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

4.4 Maintenance of Campus Infrastructure

4.4.1

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

Response: 42.82

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

2022-23	2021-22	2020-21	2019-20	2018-19
307.882	189.529	139.785	193.784	262.512

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

Criterion 5 - Student Support and Progression

5.1 Student Support

5.1.1

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

Response: 100

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

2022-23	2021-22	2020-21	2019-20	2018-19
606	487	416	363	347

File Description

Document

Year-wise list of beneficiary students in each scheme duly signed by the competent authority.

[View Document](#)

Upload Sanction letter of scholarship and free ships (along with English translated version if it is in regional language).

[View Document](#)

Upload policy document of the HEI for award of scholarship and freeships.

[View Document](#)

Institutional data in the prescribed format

[View Document](#)

Provide Links for any other relevant document to support the claim (if any)

[View Document](#)

5.1.2

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

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

Response: A. All of the above

File Description	Document
Report with photographs on Programmes /activities conducted to enhance soft skills, Language and communication skills, and Life skills (Yoga, physical fitness, health and hygiene, self-employment and entrepreneurial skills)	View Document
Report with photographs on ICT/computing skills enhancement programs	View Document
Institutional data in the prescribed format	View Document

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: 72.56

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

2022-23	2021-22	2020-21	2019-20	2018-19
413	343	296	281	277

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

5.1.4

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

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

Response: A. All of the above

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

5.2 Student Progression

5.2.1

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

Response: 64.29

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

2022-23	2021-22	2020-21	2019-20	2018-19
67	70	68	57	44

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

2022-23	2021-22	2020-21	2019-20	2018-19
103	91	102	96	84

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

5.2.2

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

Response: 12.94

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

2022-23	2021-22	2020-21	2019-20	2018-19
1	3	14	1	3

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

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: 30

5.3.1.1 Number of awards/medals for outstanding performance in sports/cultural activities at national/international level (award for a team event should be counted as one) year wise during the last five years

2022-23	2021-22	2020-21	2019-20	2018-19
16	0	0	11	3

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

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: 27.8

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

2022-23	2021-22	2020-21	2019-20	2018-19
53	15	3	37	31

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

5.4 Alumni Engagement

5.4.1

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

Response:

The Alumni Association acts as a link between the “Alma matter and the Alumni”. It works with selfless intentions for the growth and development of the institute and the students. The alumni association provides a platform for interaction between alumni, students, and faculty of the institute. It has contributed significantly through financial and non-financial means during the last five years to improve the quality with the help of the active participation of the alumni.

Many alumina contributes significantly to the development by taking various technical sessions or providing technical support to the current students of the institution. The institute invites the alumni for activities such as Proud talks, Cultural and Graduation Day Program etc. Alumni visit campus on many special occasions to support the existing batch of students in planning and organizing events, extend support and guidance for functioning of various students’ clubs. Alumni who are entrepreneurs have been providing inputs on how to start a new venture and turning them in to job providers. The alumni contribute to the institution to orient the students on Personality Development, Current Opportunities, Career Management. Special talks are also arranged on Higher Education Topics, Current Events, Industrial revolutions, and technological changes so that the students choose the right path and become skillful and employable. They have provided career and vocational guidance for professional and career development. Through such proud talks they inform the students about the importance of the Preplacement Internships in Industry, various campus drives arranged by the training and placement department of the college and how to approach the industry for seeking an internship. They provide input and share their experiences regarding skills, recent technologies & trends in the corporate world, application of knowledge and corporate working culture. They also explain the plannings and preparations for getting campus selection. Mock interviews are also arranged for present students by alumnae.

Students get benefitted from these sessions and are helpful for their campus placements. Alumnae also emphasized on the opportunities for girls in various sectors in the Mechanical Engineering Electronics & Telecommunication Engineering and Computer Engineering branch. Whenever these alumni visit the campus, they motivate students to follow their path for the betterment of society.

Alumnae had contributed financially to needy students through Samsthas Bhaubij Nidhi scheme. Ms. Vaidehi Chinchulkar donated 10 smart phones worth rs.94000 and the institute distributed them to needy students for attending online classes during pandemic. Financial assistance, they provide financial help to the poor and deserving students, etc. at a personally appropriate level. The philanthropists of the city provide financial help by adopting financially deprived needy students and provide her college tuition fees.

Every year Cummins Alumnae Day is celebrated on first Sunday of August. It’s a Platform provided to Alumni to reconnect with faculties, past & present students. A virtual recorded tour of the college campus is shared with attendee alumni during an online virtual meeting. The Alumni shares their experiences during pre& post covid periods, also guide about industry requirements and asked students to prepare themselves according to industry needs and demands during the meeting.

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

Criterion 6 - Governance, Leadership and Management

6.1 Institutional Vision and Leadership

6.1.1

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

Response:

The college has set its vision in tune with Samstha's vision and objectives.

VISION: "Empowerment and enrichment of women professionals through education, innovative training of life skills and job skills for pioneering their entry in the latest technological areas and job domains; encouraging self-employment and through sensitizing awareness for women's issues in the society."

MISSION: "To develop technically and academically sound women professionals having strong work-ethics and good human-being characteristics."

The governance at the college is a multi-tier system with Samatha's management committee at top which oversees the organization's various departments and activities. The Local Managing Committee is composed of trustees, life workers, employee representatives, and elected members from industry and society. The LMC has native members who are empowered to take financial decisions in consultation with the principal of the college.

The Governing Council / College Development Committee of the college provides guidance and supports high-quality education in accordance with demands from industry, academia, and society. The Governing Council has representatives from management, RTMNU, industries, and the social sector. The principal serves as a member-secretary of the CDC together with the Chairman, GC, IQAC Coordinator etc as its members. Yearly CDCs meetings are conducted to assess the college's progress, approve various college activities, and authorize finance needs.

The authority delegation and fixing of responsibilities goes down the line from top to bottom with samstha's Management Committee at the top of pyramid and student stakeholders at bottom and policy executions runs from bottom to top. The college has well defined quality policy and also monitoring system for execution of class assignments, social activities, mentor-student relationships, upkeep, result

analysis, and corrective measures are all part of the administration of teaching and learning.

Decentralization and Participative Governance:

The institution's management, administration, finances, and academic issues are all managed using decentralized, transparent systems and processes. The general administration of the college is democratic style with the principal as leader of the team. The governance is executed through various hierarchical level function heads, department/section heads, the admin officers, account officers etc. Authority is provided in a decentralized manner to all with well-defined responsibility. The college has a 3-tier system for teaching-learning activities like Deans-Heads-faculty. The college has well defined portfolios which define the leader & team for a particular section/department/work head. The principal has formed several portfolios / committees for the decentralized governance like the examination committee, SAC, Discipline committee, anti-ragging, sexual harassment committee, SC-ST committee etc. The academic dean and heads together prepare academic calendar for smooth conduction of session under the guidance of principal and ensures execution of academic processes. The college has huge support from industries informally and formally through MoUs. The industry interactions also reflect institutional governance and the outcomes in the form of quality placements and internships.

At all the hierarchical levels the women empowerment is ensured like out of four Heads of the Departments three heads are female. Through democratic institutional governance the empowerment of women professionals is ensured to accomplish the vision of the college and samstha.

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

6.2 Strategy Development and Deployment

6.2.1

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

Response:

At the top of the organizational structure, the College Governing Council and College Development Committee play a crucial role in making strategic decisions for the institutional perspective planning and its implementation. The CDC is composed of members appointed by Samstha (the governing body), representatives from teaching and non-teaching faculty, and experts from academia, industry, and social service, as well as the IQAC (Internal Quality Assurance Cell) coordinator and the principal acts as a member secretary. The representatives from teaching and non-teaching staff members in the College

Development Committee act as an interface between the staff and the management, ensuring smooth functioning and timely implementation of policies defined by Samstha. The strategic plan has short term and long-term goal as well to achieve and accomplish.

The Local Management Committee (LMC) is convened every two months to review the progress, approve various college activities, and sanction funds for procurements. The principal of the institution holds a significant position and is responsible for monitoring day-to-day academics, financial and administrative activities and services. The principal also implements the policies set by Samstha for the college's development. His involvement and guidance is instrumental in aligning the college's actions with the strategic and perspective plan. He receives the input from all faculty members regarding academic design, planning & implementation. Additionally, the principal oversees admissions, teaching-learning activities, placement activities, research, and development (R&D) activities, innovation & entrepreneurship development. campus general administration, infrastructure development and maintenance activities and maintains discipline among students and staff.

The administrative department plays a crucial role in managing various administrative tasks like Staff Management and Coordination, Financial Management, Student Services, coordination with government regulatory and affiliating authorities and organizations etc. The admin is maintaining the record of all staffs like service book, daily attendance, provident funds, income tax, infrastructure maintenance and student related services etc. and maintaining and organizing administrative records, documents, and ensuring the smooth functioning of the institute.

The college has various committees and cells, each representing a department/ portfolio. These committees play important role related to academic and administrative matters specific to their respective departments/ portfolio.

All the employees of the institute are aware of and comply with service rules to contribute to the overall success and reputation of the organization. Adherence to these rules helps create a positive working environment and ensures the delivery of high-quality services.

The institute uses transparent and merit-based processes for the appointment of personnel, ensuring that qualified individuals are selected for positions based on fair and established criteria. The institute follows a specific selection procedure for hiring teaching faculty, which involves receiving applications through newspaper and web advertisements. The applicants go through two levels of interviews before the Human Resources Department makes the final appointment.

Establishing an Incubation Centre, Entrepreneurship Development Cell, and Industry Institute Interaction Cell showcases the college's dedication to promoting innovation and entrepreneurship among students.

Encouraging faculty to undergo training programs, workshops, conferences, journal publications, patent and copyright filing and NPTEL SWAYAM MOOC certification for updations with the latest developments leading to contributing to the institution's academic excellence.

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

6.2.2

Institution implements e-governance in its operations

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

Response: A. All of the above

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

6.3 Faculty Empowerment Strategies

6.3.1

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

Response:

All the welfare measures provided by samstha / college are for motivating and satisfying the employees. The samstha / college has well documented HR policy which reflects the performance appraisal system, welfare measures leading to avenues for employee's career development. The samstha /college considers welfare measures as their investment rather than an expense. The samstha / college has

following effective welfare measures for its employees.

1. Employees Provident Fund:
2. Medi claim-Health Insurance:
3. Gratuity is applicable to every employee as per the rules & regulations laid by GoM.
4. Full paid Maternity Leave: Samstha provides 180 days full paid maternity leaves.
5. Fee concession: Samstha provides fees concession to the wards of weaker employees.
6. Encashment of Earned Leave: Employee has facility for en-cashing the earned leaves.
7. Timely Credit of Salary to bank account: Every month, the employee gets the salary on time.
8. Reimbursement of Membership fees of professional society.
9. Medical leave encashment Facility of balance medical leave to ad-hoc faculties are available.
10. Career Advancement Scheme: Elevation to higher posts/ ranks as per respective eligibility.
11. Employee has facility for availing interest-free Festival Advance.
12. Early punch &/or leaves are sanctioned to the employee pursuing higher degrees.
13. Samstha provides Laptop to principal, accounts / admin officer, T & P Officer, IT cell staff.
14. Samstha also provides the vehicle to the principal.
15. College has a tea club to maintain a healthy & friendly environment among the employees.
16. Samstha provides Staff Quarter for the employees
17. Samstha pays mobile bill for the few of the responsibility shouldering employees.
17. Samstha provides vehicle to the staff for transportation during on-duty work.
18. Samstha provides free bus facilities for employees & the wards admitted to college to commute.
19. Samstha provides relief funds to economically weaker employees for major medical emergencies.
20. Samstha provides winter & summer vacations to eligible employees.
21. Samstha protects the salary of newly appointed employees.

Self-appraisal:

The college gives a fair chance to employees to evaluate their performance and determine their strengths and flaws. Employees can identify their areas for improvement & accordingly work on self-set goals. The employees have to submit the self-appraisal report at the end of every academic year with the following information details personal information, Academic record, experience Research experience/contribution and training, Industry interaction, innovations contributions and special efforts in teaching with documentary evidence etc. The reporting officer (HoD) and Principal give independent marking according to weightage & thus provides recommendations for employee. The process of self-appraisal is transparent.

Based on the student feedback, the Principal and Dean Academics give suggestions to the teaching.

Avenues for career development/progression:

Samstha conducts career development programs for employees' professional growth. Samstha believes that every employee should develop skills within or outside the organization for salary hikes & promotion. This helps to retain Samstha's current employees & at the same time employees feel valued. Samstha organizes Faculty Development Programs, Workshops, Seminars, Trainings for the employees.

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

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

Response: 36.69

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

2022-23	2021-22	2020-21	2019-20	2018-19
21	4	2	25	10

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: 46.35

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

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

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

2022-23	2021-22	2020-21	2019-20	2018-19
4	12	7	0	0

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:

Financial planning and management are the foresight of the college in strategizing its growth and development activities. The college has a robust financial management system in place. The college conducts regular internal audits by the smanstha's account office and external audits by the recognized auditors. Reports of audits along with compliances are available from the college. The college receives the funds in the form of tuitions fees, scholarships / freeships in the form of reimbursements from Government and Non-Government agencies and monetary and non-monetary donations from supporting industries and organizations as CSR funding for example from CIL, HCL, NI, IEEE, ISTE.

The budget is prepared considering the resources of all forms and accordingly the expenditure heads (recurring and non-recurring) are prioritized with allocations and approvals. Mobilization of funds in the institute is through resource and fund mobilization policy. Departmental / section budget proposals are also prepared taking in to account the procurement proposals for natural growth or for laboratory upgradations or for thrust emerging area infrastructure facility requirements, requirements of furniture / fixtures / stationary / consumables, expenditures on maintenance, contractual services etc along with few of unforeseen expenses and submitted for the approval of the management committee after scanning through Local Management committee. The process is iterative before being finally approved and took place well before the commencement of the respective financial year.

Optimal utilization and execution of the budget is monitored through internal and external auditing. The budgetary provisions and expenses are periodically reviewed by the finance committee at the college level and once at intermediate at samstha level to monitor deviations if any. The compliances are taken care of accordingly. The finance committee reviews the income/expenditure statements and reports the same to the governing body for further recommendations and action plans. The Institution accounts are audited both internal and external auditors to ensure financial compliance.

The receipts are very transparent and known to all stake holders. All the expenditures incurred by the college is maintained by the college accounts department and duly submitted to the finance department of the samstha as well as to the Govt of Maharashtra & other statutory body (as required). After thorough review, the Smastha & state government (committee) approves the expenditure made by the institute. Then the fee regulatory authority of Government of Maharashtra considers the report for fixing the revised fee for the next academic year.

Internal Audit: Qualified and certified internal auditors appointed by smastha to do the audit on regular basis. The audit team conducts the audit of accounts, scrutinizes, and verifies all payments, receipts and journals vouchers of the transactions, cash books, ledger account and all bank accounts in every financial year.

External Audit: The accounts are also subject to external auditor. The auditors prepare and submit the income and expenditure statement and Balance Sheet and Depreciation statement. As an act of transparency, the audited financial statements are published on the college website and also sent to the statutory and regulatory bodies.

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

6.5 Internal Quality Assurance System

6.5.1

Internal Quality Assurance Cell (IQAC) has contributed significantly for institutionalizing the quality assurance strategies and processes. It reviews teaching learning process, structures & methodologies of operations and learning outcomes at periodic intervals and records the incremental improvement in various activities

Response:

The Internal Quality Assurance Cell (IQAC) of the college is established in 2017. The constitution of IQAC has external experts for industry, society and representation from parents, alumni, and students. All the departmental senior members and heads of the department are members of IQAC. It also has representatives from the library and administrative office. The role of IQAC is defining the quality standards and thus quality policy and ensuring the defined quality services in all the processes / services of the college.

Academic cell in consultation with IQAC prepares the Academic Calendar in accordance with the University Academic Calendar. It is circulated to all faculties. All faculties prepare their teaching plan accordingly. The IQAC committee takes the review of the syllabus completion through internal audits from the Heads of the departments to ensure smooth conduct of classes. IQAC ensures quality in the teaching learning process by taking feedback from students about the teaching learning process. The

counseling is done by principal, Dean Academics and Heads of the departments for faculties whose performance is not satisfactory. IQAC has a quality policy for academic processing.

IQAC ensures the smooth and timely conduct of sessional examinations and internal practical examinations for every semester every year. IQAC has prepared the standard operating procedure for the project allotment / implementation / status review and SoP is circulated to all departments. The examination reforms are discussed in the meeting of IQAC, and a few feasible reforms are incorporated in the internal examination pattern.

Course Outcomes are specific and measurable statements that define the knowledge, skills, and attitudes learners will demonstrate by the completion of a course. The benchmarks are set by IQAC for attainment of course outcomes. In the regular meetings of IQAC the result analysis for all semesters is discussed. The program outcomes, Program Specific Outcomes and articulation matrix is also discussed and the actions to be taken against analyzed gaps are also discussed and finalized in the meeting and directions to the departments are also given as a follow-up action.

MOOCs provide an affordable and flexible way to learn new technologies. Students and faculties are encouraged to undergo NPTEL courses. Faculties are encouraged to participate in various FDPs, workshops, conferences, and training programs, file patents / copyrights, journal publications. For non-teaching staff various workshops are arranged by samstha to upgrade their knowledge.

IQAC conducts regular academic administrative audits. It is done thrice in the semester. It is done by the academic audit committee under IQAC cell. External audit is conducted this year by the external members to ensure the timely completion of the internal audit.

IQAC ensures the timely submission of AQAR every year and participation in NIRF every year.

IQAC has directed all departments for getting into the MoUs. The college has signed a MoU with 50 + industries and organizations. Looking into the need of industry an IQAC directs all departments to conduct skill development programs undertake industry-based projects and internships, visits, etc

IQAC ensures quality assurance in processes other than academics.

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

6.5.2

Quality assurance initiatives of the institution include:

- 1.Regular meeting of Internal Quality Assurance Cell (IQAC); quality improvement initiatives identified and implemented**
- 2.Academic and Administrative Audit (AAA) and follow-up action taken**

3. Collaborative quality initiatives with other institution(s)**4. Participation in NIRF and other recognized rankings****5. Any other quality audit/accreditation recognized by state, national or international agencies such as NAAC, NBA etc.**

Response: A. Any 4 or more of the above

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

Criterion 7 - Institutional Values and Best Practices

7.1 Institutional Values and Social Responsibilities

7.1.1

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

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

Response:

Gender sensitivity is the way to treat equally for both girls and boys without making any differences between them in any field. Gender equality for students means girls and boys, men and women, have the same opportunities to receive education, with the same resources, and with the same expectations of success. Being a single gender college, many measures are initiated for the promotion of gender equity in altogether different context. The college is committed to provide safe & secure campus and environment of education for our students. The institute has a online grievance / complaint mechanism and also has Women Grievance Cell (*Mahila Takrar Nivaran Sameeti*) to sort out workplace related grievances such as Gender Bias, Ragging, Sexual Harassment related issues etc. The college has predefined Gender Equity Policy and measures are initiated for implementing the objectives of the policy. The institute has kept suggestion box and a complaint box and has a predefined standard operating procedure (SoP) for proper and smooth functioning of Grievances Redressal mechanism. The awareness sessions on respecting womanhood, work-life balance, safety at workplace etc is taken from time to time.

Counselling about gender sensitivity is also done by organizing guest lectures, seminars by eminent personalities. Health and Hygiene Program is conducted during orientation every year. Dr. Priya Ramteke (Ph. D. in Psychology) and Ms. Ambika Patharkar works as an psychological counsellors. The college has teacher guardian scheme to help students for their issues and concerns in addition to above.

Common room is space provided to students to unwind, relax and to hold meeting to plan their events, cultural activities etc. The common room has provision of medical aids to provide first aid as a when required. The common room is provided with Chairs, tables, mirrors. Students decorate their common room for expressing their thoughts in various forms like drawing, painting, craft etc we are committed towards arranging several programs addressing gender equity like Women's Day every year.

The samstha is having legacy in women empowerment through education across the state of Maharashtra. Besides many activities apart from imparting value-based education to women students, samstha ensures its commitment towards society by organising many other programs and conferring awards such as Baya Karve Puskar (Award) and Sitbai Nargundkar Puraskar (Award) and recognitions to notable women personalities who have worked for women empowerment in the society to commemorate special days like Baya Karve Jayanthi, Punyatithi, and Nagundkar Jayanti.

The college commemorates and celebrates many days and occasions thorough out the year to foster the socio-cultural, technical, economic, and environmental impacts. The days like Engineer's Day,

Teacher's Day, Yoga Day, Women Day, Literature Day, Independence Day, Republic Day, Shivaji Jayanti, Vishwakarma Jayanti, and national festivals like Garba, Dahi-Handi, Holi, Deppotsav, Ganesh, etc are celebrated with full zeal and enthusiasm and has participation from almost all students.

The college provides Employability enhancement programs, pre-placement internship and placement opportunities to students and organizes Jigyasa- a Career Guidance Program for the engineering aspirant students as an extension activity.

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

7.1.2

The Institution has facilities and initiatives for

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

Response: A. 4 or All of the above

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

7.1.3

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

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

Response: A. All of the above

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

7.1.4

Describe the Institutional efforts/initiatives in providing an inclusive environment i.e., tolerance and harmony towards cultural, regional, linguistic, communal socioeconomic and Sensitization of students and employees to the constitutional obligations: values, rights, duties and responsibilities of citizens (Within 500 words)

Response:

The college is actively engaged in adopting an inclusive environment that promotes tolerance and harmony among students and teachers from diverse cultural, regional, linguistic, communal, socioeconomic, and other backgrounds. To achieve this, the college undertakes various initiatives, such as organizing events to celebrate the lives of eminent personalities, national festivals, and engaging in activities like NSS (National Service Scheme), NCC, Professional Society Chapters and Student Clubs. These efforts aim to bring together individuals with different backgrounds on a common platform, nurturing an environment that holds inclusivity. By actively participating in these activities, students and teachers are encouraged to develop a sense of tolerance and harmony, not only towards diverse cultures, regions, and languages, but also towards communal, social, economic, and other forms of diversities.

1. Cultural and Regional Programs

Students are encouraged to actively participate in diverse cultural events and competitions. The college proudly host an event "Ananaya" showcasing exceptional talents in cultural events. The college team has brought laurels in "Puroshottam Karandak", a State Level Drama Competition.

2. Linguistic

To highlight the significance of the regional language Marathi, the college organizes various programs and events like “Marathi bhasha diwas”, in honor of the renowned poet, playwright, and novelist popularly known as Kusumagraj. The samstha and thus the college ensures many internal transactions such as notices, approvals in regional language. The annual magazine, “Yugandhra”, serves as a platform to showcase talent. Library organizes activities like Foster Reads, Meet the Author, and Reading Inspiration Day.

1. Days of National Importance

Days of national importance like Republic Day, Constitution Day, and Independence Day are celebrated at the institute with zeal & enthusiasm. The celebrations are marked by inspiring speeches delivered by chief guests, adding an extra layer of inspiration and patriotism to the events.

1. Communal and Socioeconomic Activities

The college adheres to a policy of celebrating both national and international days of significance as part of its commitment to fostering communal harmony among all stakeholders. Efforts and initiatives are consistently undertaken to establish an inclusive environment that promotes tolerance and harmony across cultural, regional, linguistic, communal, socioeconomic, and other diversities. These initiatives encompass various activities, such as celebrating the lives of eminent personalities, celebrating national festivals, engaging in NSS cell activities, and organizing similar events. By bringing together students from diverse backgrounds onto a shared platform, these functions play a vital role in cultivating tolerance and harmony, not only with regards to culture, region, and language, but also in relation to communal, social, economic, and other forms of diversities. Five villages are adopted by the college under socioeconomic venture of Unnat Bharat Abhiyan.

1. Universal Human Values and Ethics

The college has played vital role by encouraging faculty to undergo AICTE sponsored FDP on UHV to nurture social harmony. Developing sensitization towards environment, the constitution of India, values, morals and ethics, cultural and cross-cultural issues is an important part of the curriculum courses like Indian Culture and Constitution, Universal Human Values, Professional Ethics, Environment Science, Consumer Affairs.

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:

The college has adopted many best practices and is successfully and effectively implementing the best practices for the benefits of student stakeholders. Amongst all the best practices of the college, the following two best practices are described in detail.

Best Practice 1

1. Title of Best Practice 1: - Financial Assistance to Needy and Deserving Students

2. Objectives of Best Practice: To provide financial support to needy, deserving, and underprivileged students. Scholarships are precisely designed to cater to a wide array of academic and personal backgrounds.

3. The Context: Financial constraints often find it exceptionally challenging to meet the financial demands associated with education, including tuition, hostel fees, mess charges and other essential expenses. Our mission is to create a comprehensive and equitable educational environment where socioeconomic status doesn't obstruct one's aspirations.

4. The Practice: -

1. Cummins Nurturing Brilliance Scholarship: Each year, ten+ deserving students are awarded scholarships, covering fees and providing them with a laptop and a mentor by **Cummins** India Foundation. Candidates must maintain a minimum of 60% academic and the annual family income should be below three Lacs. CIL administers an aptitude test, followed by interviews for selection.

2. Persistent Foundation: "KIRAN" Scholarship: The Persistent Foundation administers a scholarship program, awarding INR 40,000 annually through aptitude tests and thorough interviews.

3. Paranjape Scholarship: - Manav Seva foundation donated an amount to help needy and deserving students. Students apply along with their academic progress and proof of family income. Selection is through the interviews.

4. Samstha Scholarship / Free ship: - MKSSS offers this scholarship /free ship. It provides financial assistance to needy students by providing free ship in their tuition fees/ hostel fees/ bus fees/Mess charges based on their academic achievements and financial conditions. The applications are scrutinized for shortlisting of students.

5. Philanthropists Endowment Scholarships: Philanthropists' in-kind donations are periodically received and are used to provide financial assistance to needy students.

6. Leela Poonawalla Foundation scholarship: The selection process involves scrutinizing applications, aptitude tests and conducting personal interviews for aspirants. Eligibility criteria require a minimum of 60% and a family annual income of less than 3.5 Lacs. The selected students are being provided with the opportunity to participate in employment enhancement training programs by LPF.

7. Reliance foundation scholarship: - The Reliance Foundation Scholarship has been helping meritorious students. College students have received benefits from this scholarship program.

1. Evidence of Success: Fortunate student recipients of scholarships are thriving in their academics and consistently achieving outstanding results.

- Some of these students have emerged as “University Topper” .
- This academic excellence has also translated into a remarkable track record of placements, with a significant number of students securing worthwhile jobs.
- The Micron India University Research Alliance scholarship was awarded to Ms. Aditi Bhardwaj.

1. Problems Encountered and Resources required: - The large number of students requires financial assistance to continue higher education. But fund allocation is limited and hence the college is not able to help all needy and deserving students.

2. Notes (Optional)

One of the Philanthropists is taking responsibility of paying the fees of one student for all the four years. So far one student is beneficiary from the donation.

Best Practice 2

Title of the Practice: Development of Students through Industry Involvement in Teaching Learning Process.

Objectives of the Practice: Best practise has many but not limited to objectives such as

- To give exposure to students through involvement of industries / industry experts in various activities / initiatives of the college.
- To make the students industry ready equipped with the latest industrial technologies, tools, platforms, industrial environment, and work culture.

Few of the initiatives for accomplishing the objectives are as mentioned below.

- Representation of industry experts at various levels such as Management, ED cell, Curriculum Delivery and Evaluation.
- Providing atmosphere through industry based live projects.
- Industry-Interface through industry visits.
- Industry experts as mentors who can guide students to achieve their goals.
- Signing of Memorandum of Understandings and ensuring its functioning.
- Internship in core industries.
- To procure the experimental setups / platforms from associated industries.
- To establish laboratories sponsored / funded by industry.

- Organizing Industry based SDPs/ EETPs, communication skill development programs.
- Preplacement talks and awareness sessions.
- Industry certifications for professional society chapter and student club activities.
- Deputation of faculties for industrial training

The Context:

The college has huge support from industry of almost many sectors. The management members of the institute decorate various top positions in industries, and few are owners of the industries. The industries have come forward to help the college through CSR. The help from industry is monetary and non-monetary as well.

The practice:

Cummins College of Engineering for Women, Nagpur is involved with the industries through different modes as described –

- Industries providing laboratory infrastructure facilities.
- Industries provide funding.
- Industries offers a few of the platform-based courses as an elective. Students get regular interaction with practicing industry professionals.
- Industry based projects, visits, Industry expert sessions.
- Mentors from industry.
- Mock interviews for the placements

Evidence of success:

The college has signed more than 50 + MoUs with the industries of IT sector , manufacturing units , supporting ancillary units and even the service providers as well.

- Faculty and students interact with industries for the above teaching learning process parameters. Few students have achieved success in getting Pre-Placement offer.
- Many students benefit by employability enhancement training programs got the placement in good companies with handsome packages.
- Faculty have undertaken industry live projects.
- CIL annual funding of Rs. 40 Lakhs.
- CIL provides their employees as mentors.
- Tata Motors helps our students for mock interview under “Kaushalya” CSR.

Problems encountered and resources required:

There are administrative and institute management-related challenges like

- Attitude and Commitment of the stakeholders
- Rigidness in the curriculum of the affiliated University

The initial hurdle to tackle with this was to prepare the mind set of stake holders was overcome by

explaining these stake holders about win-win situation for all of them. Rigidness in curriculum was overcome by including and introducing the skill development week involving industry personnel and imparting contents beyond curriculum.

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:

The college is working towards empowerment of women professionals who shall be academically and technically sound along with strong ethics since 2010. The college has distinctiveness and accomplishment of its vision with respect to priority as well as thrust areas recognized are elaborated in the following paragraphs.

1. Maharshi Karve Stree Shikshan Samstha has legacy in women's education for last 127 years. The management members are from industries and are social workers.
1. The college has its association with a multi-national corporate house. The college gets technical and financial support from Cummins India Foundation (CIF). So far, 73 girl students have been benefited from the Cummins Nurturing Brilliance scholarship (CNBS) and amount of Rs.1.03 Cr. is disbursed along with laptop to every awardee student. Also, the fund received from CIF are utilized for infrastructural development of the institute including development of laboratories and imparting EETP to students.
2. Students are benefitted by scholarship programs of agencies like Lila Poonawalla Foundation Scholarship, Kiran Girls Scholarship by Persistent Systems Pvt. Ltd., Paranjape Scholarship and Reliance Foundation Undergraduate Scholarship.
3. The MKSSS provides institute level scholarship. Every year about 50 + newly admitted students are beneficiary of the samstha / institute scholarships. So far 500 + students are beneficiaries.
4. This also ensures the realization of one among the top prioritized as well thrust areas of the Samstha, that is, 'No student should be deprived of education due to financial problems.
5. Many students who are beneficiary in the form of such support and / or scholarships have brought laurels to the college in the form of academic excellence (University Toppers), Prize Winners / Rank holders at state / national level competitions and activities, internships, and quality placements.

One of the thrust areas of the college, is enhancing employability of our students and ensuring more and more placements and carrier opportunities in not only in IT companies but also in core industries and for inculcating entrepreneurial approach. The same is now witnessed by ensuring holistic development of the students, mainly through four components that are; intellectual, social, physical, and emotional development. The distinctive initiatives taken by the college for the same are elaborated in the following paragraphs.

1. For ensuring the intellectual development of students, the Teaching-Learning process is well supported throughout their educational program by interaction with experts from industries, professionals, and innovators.
1. Along with the intellectual development, the college also put efforts towards the development of skills among the students of respective programs. The development of skills is ensured through skill development programs, industrial visits, and internships, etc. The industry supported skill development programs are the regular features of college.
2. The supporting industries helps in providing real flavour of industrial environment for the students by conducting the mock interview of the shortlisted students by the managers of top MNC's based on resume shared.
3. The various activities like technical festivals, model exhibitions, seminars, expert talks, workshops, conferences are organised by student chapters of professional societies and by student clubs further strengthen the intellectual, skill and emotional development of students leading to leadership qualities, team spirit, innovating thinking etc.
4. The student's Material Advantage Chapter under the American Society of Materials is the only one of its kind of chapter in the world wherein all the members are only girl students.

The social, physical, and emotional, are also important in making them good and responsible citizen and then professionals. The college provides various platforms for development of the same is described in paragraphs given below.

1. The college participates in the successful implementation of initiative of MKSSS, known as 'Bhaabeej Nidhi', for a very noble social cause. Many girls have received the financial support through 'Bhaabeej Fund'.
2. The students are exposed to the social structure and related issues, particularly in the neighbouring areas, through the National Service Scheme (NSS) unit.
3. The college is also registered member of the Unnat Bharat Abhiyan Scheme launched by the Ministry of Education and has received the fund to conduct various programs.
4. For physical development, the institute promotes physical activities and motivates the students to foster skills such as physical fitness, team spirit, confidence, decision making, mental strength, etc. Each year, the college and samstha organizes annual sports events DAMINI for the students.
5. The emotional health of the students is given appropriate attention at the college. The Teacher-Guardian system is in place that ensures the students' contact with faculty at least once every fortnightly. During these meetings, students and TG can have a discussion related to academics as well as any other issues. There are special female mentors at the institute who meet the girl-students regularly to understand their difficulties, if any, and guide them accordingly. A professional counsellor is also employed at the institute whose help may be taken by the students in need.

As one of the thrust areas, where our performance has been distinct, in terms of quality placement of our

students in reputed industries, the majority of which are among the most prestigious MNC's.

1. Quality placements with respect to core sectors and moderately good to high package is important feature of the college. Training and placement cell takes an effort for providing plenty of carrier opportunities in core industry sector to the student stakeholders.
2. Many students are benefited by this initiative. So far, total 165 recruiters associated with CCOEW Nagpur have recruited total 267+ students. Average salary package is enhancing every year. Till date maximum annual package offered is 24.73 Lakhs.
3. The T & P cell of the college is taking efforts for giving better internship opportunities along with Preplacement offer (PPO).
4. The impact of institute's distinctive initiatives in terms of outcome, placements is presented below.

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

5. CONCLUSION

Additional Information :

The college is spread in 23 acres land in a lush green environment free campus on the bank of river Vena. The college has an excellent adequate infrastructure and is equipped with all the modern facilities and amenities. The admissions for UG courses are done according to the rules and guidelines specified by DTE Maharashtra. The college provides the services of Facilitation Centre to engineering aspirants. Apart from Samaj-kalyan scholarships, the college offers various scholarships to needy and meritorious students. The terms and conditions for eligibility and award of scholarships are communicated with the students in advance.

The college has its own strategy for effective curriculum delivery and the related activities are planned in advance before the commencement of the semester. The activities like preparing the academic calendar, communicating it with students and parents, subject allotment, department wise timetables for each next semester are planned at the end of preceding semester. The subject files of the teachers are prepared before the start of the new semester. The subject file contains Syllabus, LP-TP, question paper bank, student's rollcall, Academic calendar and Timetable. The course objectives and outcomes for each theory subjects and practical are defined and communicated with the students in the very first lecture and practical. The college organizes a Student Induction Program as per the guidelines of ACITE New Delhi for the new entrants. The college conducts CRT and TCRT classes right from the first year to enhance the employability of its students.

Concluding Remarks :

The college organizes various workshops, seminars, guest lectures, industrial visits, events for making its students technically sound. It also encourages its students and faculties to participate in such activities organized by other institutes and organizations.

The college makes use of modern ICT tools to enrich the Teaching-Learning Process. The college has a sound mechanism for evaluation of its students. through sesional examination , Assignments, Seminars, Quiz and Viva-voce. It gives special support to weak students by conducting remedial classes. The college has various committees for effective planning, monitoring, and administration. The college developed a mechanism for feedback from different stakeholders like students, parents, employers, and alumnae.

The college encourages its faculties and students to go for research and innovation. The college has signed MOUs with various organizations such as Persistent Systems Pvt. Ltd, Mobiu-Sutra, Viragh Academy, Gurukrupa Academy etc. The students and faculties are associated with various technical bodies like ISTE, IETE, etc. The college has formed IQAC to develop and implement a quality assurance system.

The college has professional society students' chapter to undertake professional society activities. The college has various student clubs to showcase student's talents / interests in diversified fields. The NSS unit of the college plans various activities throughout the year and students participate in such extension activities. The college has adopted adjoining villages for undertaking various NSS activities. The college aims at making its students not only professional engineers but disciplined employees, good employers, and responsible citizens of the nation. Therefore, due importance is given to professional ethics, human values, environment protection and

sustainable development. The college takes various welfare measures for its staff and students.

The college has a perspective plan to become an autonomous institute in accordance with NEP-2020 and is looking forward for achieving quality excellence in education by facilitating an environment cum ecosystem for self-learning and developing lifelong learning skills for its students.

The college is also looking forward to inculcating entrepreneurship skills and innovation aptitude amongst its students which is need of the hour.

The college is striving hard to accomplish its vision of empowering women professionals though education cater to serve the student and society stakeholders in the best of best possible way.

Bharat Ratna Maharshi Karve, a revered Visionary with extraordinary legacy of work in the field of women emancipation and education, is the inspiration and guiding soul behind the MKSSS's vision of "Empowered Women playing equal role in Society and Nation building". In keeping up with the vision, MKSSS strives to build a society of equal opportunities, social justice, a society where women will have their due importance, can live an enriched quality of life, a life of freedom and personal fulfillment. MKSSS works towards empowerment and enrichment of women through education, innovative training for life skills and job skills, pioneering the entry of women in new technology areas and new job domains. MKSSS's vision also includes facilitating self employment, awareness and sensitivity to women issues in society.

6.ANNEXURE

1.Metrics Level Deviations

Metric ID	Sub Questions and Answers before and after DVV Verification																				
1.2.1	<p>Number of Certificate/Value added courses offered and online courses of MOOCs, SWAYAM, NPTEL etc. (where the students of the institution have enrolled and successfully completed during the last five years)</p> <p>Answer before DVV Verification :</p> <p>Answer After DVV Verification :39</p> <p>Remark : DVV has made changes as per the report shared by HEI.</p>																				
1.2.2	<p>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</p> <p>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</p> <p>Answer before DVV Verification:</p> <table border="1"> <thead> <tr> <th>2022-23</th> <th>2021-22</th> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> </tr> </thead> <tbody> <tr> <td>606</td> <td>487</td> <td>416</td> <td>323</td> <td>328</td> </tr> </tbody> </table> <p>Answer After DVV Verification :</p> <table border="1"> <thead> <tr> <th>2022-23</th> <th>2021-22</th> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> </tr> </thead> <tbody> <tr> <td>513</td> <td>412</td> <td>330</td> <td>290</td> <td>270</td> </tr> </tbody> </table> <p>Remark : DVV has made changes as per the report shared by HEI.</p>	2022-23	2021-22	2020-21	2019-20	2018-19	606	487	416	323	328	2022-23	2021-22	2020-21	2019-20	2018-19	513	412	330	290	270
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513	412	330	290	270																	
6.3.2	<p>Percentage of teachers provided with financial support to attend conferences/workshops and towards membership fee of professional bodies during the last five years</p> <p>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</p> <p>Answer before DVV Verification:</p> <table border="1"> <thead> <tr> <th>2022-23</th> <th>2021-22</th> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> </tr> </thead> <tbody> <tr> <td>33</td> <td>8</td> <td>4</td> <td>39</td> <td>18</td> </tr> </tbody> </table> <p>Answer After DVV Verification :</p> <table border="1"> <thead> <tr> <th>2022-23</th> <th>2021-22</th> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> </tr> </thead> <tbody> <tr> <td>21</td> <td>4</td> <td>2</td> <td>25</td> <td>10</td> </tr> </tbody> </table>	2022-23	2021-22	2020-21	2019-20	2018-19	33	8	4	39	18	2022-23	2021-22	2020-21	2019-20	2018-19	21	4	2	25	10
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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:

2022-23	2021-22	2020-21	2019-20	2018-19
34	34	29	36	7

Answer After DVV Verification :

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

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

Answer before DVV Verification:

2022-23	2021-22	2020-21	2019-20	2018-19
4	12	7	0	0

Answer After DVV Verification :

2022-23	2021-22	2020-21	2019-20	2018-19
4	12	7	0	0

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

2.Extended Profile Deviations

Extended Profile Deviations

No Deviations