



SELF STUDY REPORT

FOR

2nd CYCLE OF ACCREDITATION

YESHWANTRAO CHAVAN COLLEGE OF ENGINEERING

**HINGNA ROAD, WANADONGRI, NAGPUR-441110 (MS)
441110**

<http://www.ycce.edu>

Submitted To

NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL

BANGALORE

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1. EXECUTIVE SUMMARY

1.1 INTRODUCTION

Yeshwantrao Chavan College of Engineering (YCCE), Nagpur, established in 1984 by Nagar Yuwak Sikshan Sanstha, a registered society, is a self-financed autonomous institution permanently affiliated to Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur and approved by the All-India Council for Technical Education, New Delhi, Director of Technical Education, Maharashtra State. The College offers 08 UG, 06 PG and 06 PhD degree programmes. It was established for imparting engineering education and for promoting technological research to generate technical manpower in various areas of engineering and technology.

YCCE is the first self-financed engineering college to acquire "Autonomous Status" in Central India since 2010-11 and has been effectively practicing the Outcomes Based Education (OBE). Curriculum designing & development, Pedagogy and the Assessment are the highest priority. The college maintains the high quality academic standards; the certification by NAAC, NBA (Tier-I Format) and NIRF Ranking are testimony of the same. The college has been expanding endlessly in various aspects of educational programs in engineering domain with commensurate infrastructure, and sumptuously, addressing all the Quality concerns.

YCCE is located at hill top encompassing a sprawling area of 14 acres, with actual built-up area of 37040.72 Sq.m. The college continues to be the most preferred destination for the students of the state and various parts of the country. Currently more than 4800 students are pursuing their higher studies in the College. Understanding the essentials of outcome-based education with values, the quality educational practices supported with academic ambience, good infrastructure, pedagogy, academic innovations, research, incubation, training opportunities and entrepreneurship is aiding the institute to produce industry ready graduates.

Vision

Vision of the College

“To become the most preferred institution providing innovative, research and value based, professional education for the society at large”.

Mission

Mission of the College

YCCE is committed to

- Attract best talent and create learning ambience
- Practice Innovative teaching-learning and research
- Integrate Industry-Institute Collaborations
- Nurture students towards holistic development and choicest career

1.2 Strength, Weakness, Opportunity and Challenges(SWOC)

Institutional Strength

Strengths:

- The college maintains high academic quality standards; the certification by the NAAC, NBA and NIRF ranking is the testimony of the same
- An autonomous institution strategically located in the center of the country
- Adequate infrastructure, good academic ambience and conducive T-L environment
- Well qualified, experienced, dedicated and competent faculty
- Preferred institution of engineering education in the region
- Recognized research centers by RTM Nagpur University for PhD
- Restructured OBE based curriculum to suit the current needs of stakeholders
- Good placement record in MNC's
- Centers of Excellence and TBI Incubation Center
- Appreciable number of patents/copyrights published and R&D Projects

Institutional Weakness

Weaknesses:

- Lower percentage of faculty members with doctoral qualification
- Inadequate commercialization of intellectual property generated
- Limited Industry collaboration towards advanced research
- Limited consultancy in collaboration with national agencies and industries
- Over-reliance on IT industry for placements

Institutional Opportunity

Opportunities:

- Exploring the ways to offer certificate courses, cross-disciplinary and recent developing areas related degree programs
- To increase the number of PhDs and reach 70% in due course of time
- To improve peer reviewed journal publication (Scopus, WoS, citation index, h-index)
- To explore benefits of funding agencies to strengthen laboratories with research facility
- To improve industry-institute linkage for quality students projects, internships and trainings to hone the practical skills
- To offer industry aligned courses to cater the competent manpower need of industries
- To groom entrepreneurial skills through incubation facilities for startups.
- To develop strong alumni base to further strengthen linkages

Institutional Challenge

Challenges:

- Tuning to the changing needs of government policies, industry and society
- Keeping pace with global development in pedagogy, research, and competitive employment scenarios in professional organizations
- Attracting meritorious students due to mushroom growth of engineering institutions
- Faculty lacking the industrial exposure
- Attracting core engineering company placements catering to all domains

1.3 CRITERIA WISE SUMMARY**Curricular Aspects**

The cutting-edge curricula are designed based on model curriculum of AICTE, UGC guidelines in consultation with stake holders so as to identify the local, regional, national and global aspirations of the industry players. The Curricula is impeccably aligned to reflect the lofty vision and mission of the institute. The outcome-based education (OBE) is the pivotal notion on which the whole exercise of curricula design, development and implementation revolves. It encompasses the central theme of graduate attributes as advocated in the philosophy of NBA. The Choice Based Credit System (CBCS) model is implemented; varieties of professional and open elective courses can be opted according to their career goals. The curriculum includes well-balanced options of core and elective courses in the respective programme. The crosscutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability, Human Values courses are taken care in the curriculum. 26% new courses are introduced in the last five years.

Based on the training need analysis various value added course imparting transferable and life skills are offered by the departments. The field projects and internships are the integral part of the curriculum.

Structured feedback for design and review of syllabus is obtained from Students, Teachers, Employers, and Alumni. Board of Studies in various disciplines undertake a review of curriculum at regular intervals with vigorous contribution and involvement of industry representative, subject experts from academia like IITs, IISc, NIT's, Alumni and department faculty members. Departments include courses that identify, nurture and develop recent requirements through introduction of elective courses, and revision in the outcomes of courses.

The change in Scheme of Examination (SoE) and overall major revision in curriculum are under taken once in four years. All programmes undertook major revisions in 2010-11 when academic autonomy was introduced. The curriculum was revamped in 2014-15 and 2017-18.

The institution is having a well-defined process of taking students feedback on teaching learning, infrastructure, facilities etc. The received feedback is analyzed by the college authorities and the management, which is further

ventured with the necessary corrective measures and then conveyed to students through the website and notice boards.

Teaching-learning and Evaluation

Admissions are done as per the guidelines laid down by AICTE and DTE, Government of Maharashtra. 80% of the seats are filled in through Centralized Admission Process and 20% seats are filled in by the college. The seats against reserved categories are filled as per applicable reservation policy. The admission process is user friendly with extensive use of ICT.

The institute has a well devised mechanism to identify and address the advanced and the slow learners. For advanced learners diverse academic opportunities are rendered and are mentored by experts. Slow learners are mentored through interactive remedial sessions, special assignments, counseling, planning of studies.

The well-qualified teachers are appointed as per the desired student-teacher ratio. The average experience of teachers is more than 15 years. The T-L process focuses on learner-centric approaches for ensuring the holistic development of students. The institute encourages extensive use of ICT, modern tools and innovations in teaching learning.

A structured Mentoring is in place wherein every student is provided with a faculty advisor and the scheduled interactions are recoded. The academic activities strictly adhere to the calendar. In adverse cases decision to deviate from the academic plan is taken collectively. The course teachers teaching plan adhere to the needs of Outcome Based Education.

ICT- enabled processes has been adopted in the administration and examinations. The integrated pre and post Examination Management System has facilitated immensely to reform and rejuvenate the entire system. The considerable reduction in the student grievances about evaluation is experienced. The results of all the examinations are declared with 15 days.

Since the embarkation of OBE model, the institute has published and democratized the essential features of OBE. To induce the required skill sets and competencies among the students and foster the critical thinking the course outcomes are designed. Through special trainings and awareness initiatives, the learners and the faculty are acquainted with OBE.

The course outcome, program outcome attainment is carried out using direct and indirect assessment methods and as per the predefined attainment levels. The necessary corrective measures are planned in case of low attainment.

Research, Innovations and Extension

The Institution has framed research policy to promote R&D culture through a structured system of research. The policy ensures the enhancement of R&D activities and achievement of the set targets. The research facilities are updated and established new centers of excellence and industry supported labs.

The seed money is provided to teachers and students for research work. The grants are received from Government and non-governmental agencies for research projects. The increased number of publications (339

Journals, 910 Conference), received grants (Rs. 6 Cr.), patents published (72), copyrights (440) and revenue generated through consultancy (Rs.318.31 Lakhs) summaries the institutions achievement in R&D. The special consultancy specific facilities are developed by the departments and teachers/staffs are given specific consultancy skills trainings. 62 Faculty members are approved supervisors for guiding doctoral research.

The institution has created an eco-system for innovations and incubation with well-defined policies for incubation, IPR, patentable product, seed fund. The advanced fabrication laboratory is developed with funding of Rs. 30 L from the Ministry of MSME at YCCE TBI Foundation, a section eight registered company for technology business incubation. At present 09 start-ups are incubated at YCCE. The innovation gallery is established to showcase the student's projects.

The workshops/seminars on Research Methodology, Intellectual Property Rights (IPR), entrepreneurship and skills development are organized regularly based on the departmental needs. The Institution ensures implementation of Code of Ethics for research through the inclusion of research ethics in the research methodology course work, plagiarism check through software and Research Advisory Committee.

The institute has taken a significant stride in community development, aiming to inculcate the core values like-truth and righteousness among the learners and making them sensitive and realizing their roles towards society through various extension activities. Extension and outreach programs are conducted in collaboration with industry, community and non-Govt. organizations by NSS unit of the college.

The institute has signed 111 MoU's with institutions of national, international importance, other universities, industries, corporate houses etc. Collaborative activities like research, internship, training, placements, solving industry problems through projects, offering industry aligned courses, development of labs are regularly carried out.

Infrastructure and Learning Resources

The institution has excellent infrastructural facilities spread over 14 Acres with a total Carpet Area of 37750.45 Sqm. The institute is constantly infusing adequate capital to support teaching learning process through state of the art infrastructures like smart class rooms, conference halls, modern laboratories, library resources, startup ecosystem. The institute has adequate facilities for teaching-learning as prescribed by the regulatory bodies.

The institution has well equipped auditorium with 850 seating capacity for organizing big events and additionally a small auditorium with 150 seating capacity to organize small events/functions.

A playground spread over 3.5 acres for outdoor game, separate Volley ball, Basket-ball courts is available in the campus premises. The indoor games Table Tennis, Chess, Carom are facilitated in campus. State of the art Gymnasium with trainer and room for Yoga/Meditation is in the campus.

The college library is equipped with automated system, 32994 titles, with 101520 volumes with a total cumulative investment of more than 03 Cr. The Library resources have been completely Bar Coded and automated using LIBSYS 7- Integrated Library Package for Transactions and OPAC for the users. A digital library is available for online access of subscribed memberships e-resources, databases etc. The library subscribed IEEE digital library, 179 national journals and 2952 international journals. Teachers and students are regularly accessing the library resources.

The institute takes meticulous efforts in mitigating the digital divide in the campus through well- defined IT policy. It provides uninterrupted access through campus wide internet and Wi-Fi to facilitate academic and research pursuits. IT infrastructure is regularly updated. The campus wide network of more than 2300 computers with internet bandwidth of 1GBPS caters the academic and administrative needs with 3:1 student computer ratio.

The media center equipped with editing facility is available for e-content development. Lecture Capturing System like Impartus, Google G-Suite, and Zoom Platforms are used for capturing lectures.

The budgetary provisions are made for expenditure incurred on maintenance of physical facilities. The institute has robust system to maintain the assets with competent and skilled maintenances staff. Annual maintenance contracts (AMC) are established with the vendors and are renewed regularly.

Student Support and Progression

As per the provision of reservation policies of the government, social welfare department offers scholarships/concession in tuition fees to reservation category students. The management of the college is very bountiful enough to provide scholarships/free ships to the merit and economically backward students. The expenses incurred towards of campus recruitment training to all the students are borne by the management. Concessional book-kit facility is provided to students by the management of the college apart from government's book bank scheme for SC/ST students.

The capacity development and skills enhancement activities in the areas of Soft skills, Communication skills, Life skills and awareness of trends in technology are organized regularly.

The Training and Placement Cell offers guidance for competitive examinations and career counseling to the students in achieving their goals. The large numbers of students are benefited in terms of successfully qualifying the competitive exams and joined higher studies and getting placements. The quantitative and qualitative placements of the institute are increasing every year.

Institute implemented guidelines of statutory/regulatory bodies with adoption of zero tolerance policy for redressal of student grievances, sexual harassment and ragging cases. For timely redressal of the grievances online/offline mode is preferred. The institute organizes awareness programs regularly for the students and staff.

The students participate and receive awards/medals for outstanding performance in sports/cultural activities organized at state and national level. The winners are awarded cash prizes and medals on the Republic day. The sports/cultural events and competitions are regularly organized by the student forums.

The institute believes in democratic and participative model of administration. It ensures the students participation in the decision-making process through representation on various academic and administrative bodies. The Institution has a registered Alumni association with 7500+ alumni members. The relationships between the institute and the alumni's have flourished through times with profound Alumni association. The institute ropes in alumni through various strategic initiatives such as developmental projects, placements, expert talks, mentoring, guidance, start-up initiatives. The alumni's have offered financial contributions and donated laboratory equipment.

Governance, Leadership and Management

The leadership cadre of the institute consists of visionaries who are highly proactive and agile for the overall development of the institute. In tune with the vision and mission of the institute, strategic decisions and initiatives are taken in furtherance of the lofty ideals and goals. The Leadership ensures that the operations are functioning well by nurturing the decentralization and participative decision-making. The Board of Management, constituted as per the statutory provisions adopts transparent governance mechanism; approves the strategic plans and regularly monitors its implementation. The institution adheres to the Good Governance practices guided by Academic Advisory Board consisting of eminent academicians from prestigious technical institutes. The pivotal role of IQAC is to inject quality norms in administrative and academic process, and facilitate essential support to ensure its implementation and achieve the set targets. The Academic Council and Board of Studies subsequently implement academic policies.

The college has distinguished itself for its commitment to reach beyond the boundaries of traditional disciplines in pursuit of innovation and solutions to real-world problems. Our strategic plan honors and expands upon the core strength, aligning the employees, processes, and priorities around the vision, values and goals of the institute.

The Institute has a set of well-established rules and policies within the frame work of AICTE, State Govt. and affiliating university. The service rules, academic regulations, and policies are given wide publicity amongst stakeholders.

Grievance Redressal Mechanism is established to provide easy and readily accessible procedure for prompt disposal of grievances of the student/faculty. The e-governance is implemented in areas of Administration, Finance and Accounts, Student Admission and Examinations.

The institute has well defined welfare measures for the teaching and non-teaching staff. The professional growth of the teachers and staff is ensured by encouraging them to attend conferences / workshops/trainings with financial support. Professional development programs are organized regularly in the institute. Due diligence is exercised in all financial matters and financial security of the institute through regular financial audits.

IQAC has contributed significantly for ensuring overall qualitative and quantitative growth of the institute through Annual Workload Plan and Department Level Assessment initiatives.

Institutional Values and Best Practices

The safety and security of the female students, faculty and staff is imperatively vital for college. The entire campus is under 24x7 camera surveillance and security guards are available at entry and exit check posts. The girl's common rooms and day care center with required amenities are available in the campus. The institute believes in gender equality, implements guidelines of statutory bodies and promotes gender equity through various activities. Code of conduct for staff and students is made available on the college website. The psychological counselor is appointed for students needing special and personal attention.

650 KWP solar energy is generated in the institute and is wheeled to the energy grid. The energy conversation is ensured through the wide use of power efficient LEDs bulbs/ equipment's and installation of sensor based devices in the entire campus. YCCE is cognizant about its responsibilities towards the environment and works on the principles of three "Rs" model to maintain Eco-Friendly campus: Reduce, Re-use, Re-Cycle.

The students and staff members are well sensitized towards environmental concerns. Environment Audits of the campus are carried out regularly. Adoptions of green practices, environment friendly processes, E- governance, regular tree plantation and effective waste management measures make institute an environment friendly. The degradable and non-degradable waste in the campus is managed through AMC's. Water conservation facilities like Rain water harvesting, bore wells and recycling of waste water facilities are available.

Disable friendly environment is ensured through lifts for handicapped, ramps and disabled-friendly washrooms, etc. Institution provides an inclusive environment for everyone with tolerance and harmony towards cultural, regional, linguistic, communal socio-economic and other diversities. Institution celebrates national and international commemorative days, events and festivals. MEGHOTSAVA–Bi-Annual Cultural Event for MGI employees is organized.

The institute has successfully implemented two best practices "Academic Enhancement and Monitoring Practice" through Annual Workload Plan (AWL) and "Administrative Coordination and Review Practice" through Department Level Assessment (DLA). The desired outcomes of the best practices are assessed regularly.

The distinctive initiative of the institute is offering Employability/Entrepreneurship/Skill Development opportunities to budding engineers through Campus Recruitment Training (CRT), Semester/Year-long Internship and Eagles of YCCE Project.

2. PROFILE

2.1 BASIC INFORMATION

Name and Address of the College	
Name	YESHWANTRAO CHAVAN COLLEGE OF ENGINEERING
Address	Hingna Road, Wanadongri, Nagpur-441110 (MS)
City	NAGPUR
State	Maharashtra
Pin	441110
Website	http://www.ycce.edu

Contacts for Communication					
Designation	Name	Telephone with STD Code	Mobile	Fax	Email
Principal	Uday P. Waghe	7104-205083	9764996477	7104-242376	principal@ycce.edu
IQAC / CIQA coordinator	Arvind R. Bhagat Patil	7104-295085	8552963777	-	arbhagatpatil@gmail.com

Status of the Institution	
Institution Status	Private and Self Financing

Type of Institution	
By Gender	Co-education
By Shift	Regular

Recognized Minority institution	
If it is a recognized minority institution	No

Establishment Details	
Date of Establishment, Prior to the Grant of 'Autonomy'	18-06-1984

Date of grant of 'Autonomy' to the College by UGC	18-11-2009			
University to which the college is affiliated				
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	01-05-2007	View Document		
12B of UGC	17-04-2013	View Document		
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	02-07-2021	12	OK

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?	Yes
If yes, name of the agency	AICTE
Date of recognition	02-07-2021

Location and Area of Campus				
Campus Type	Address	Location*	Campus Area in Acres	Built up Area in sq.mts.
Main campus area	Hingna Road, Wanadongri, Nagpur-441110 (MS)	Urban	14	41527.49

2.2 ACADEMIC INFORMATION

Details of Programmes Offered by the College (Give Data for Current Academic year)						
Programme Level	Name of Programme/Course	Duration in Months	Entry Qualification	Medium of Instruction	Sanctioned Strength	No.of Students Admitted
UG	BTech,Civil Engineering	48	HSSC	English	120	115
UG	BTech,Mechanical Engineering	48	HSSC	English	120	105
UG	BTech,Electrical Engineering	48	HSSC	English	120	108
UG	BTech,Electronics And Telecom Engg	48	HSSC	English	180	177
UG	BTech,Electronics Engineering	48	HSSC	English	120	120
UG	BTech,Electronics Engineering	48	HSSC	English	60	60
UG	BTech,Computer Technology	48	HSSC	English	60	60
UG	BTech,Computer Technology	48	HSSC	English	120	117
UG	BTech,Information Technology	48	HSSC	English	120	116
UG	BTech,Information Technology	48	HSSC	English	60	60
UG	BTech,Computer Science	48	HSSC	English	60	60

	And Engg					
UG	BTech,Computer Science And Engg	48	HSSC	English	120	118
PG	Mtech,Civil Engineering	24	B.TECH	English	25	11
PG	Mtech,Civil Engineering	24	B.TECH	English	12	4
PG	Mtech,Mechanical Engineering	24	B.TECH	English	12	1
PG	Mtech,Electrical Engineering	24	B.TECH	English	12	3
PG	Mtech,Electronics And Telecom Engg	24	B.TECH	English	12	2
PG	Mtech,Computer Technology	24	B.TECH	English	12	1
Doctoral (Ph.D)	PhD or DPhil,Civil Engineering	60	M.TECH	English	20	0
Doctoral (Ph.D)	PhD or DPhil,Mechanical Engineering	60	M.TECH	English	20	0
Doctoral (Ph.D)	PhD or DPhil,Electrical Engineering	60	M.TECH	English	20	0
Doctoral (Ph.D)	PhD or DPhil,Electronics Engineering	60	M.TECH	English	20	0
Doctoral (Ph.D)	PhD or DPhil,Computer Technology	60	M.TECH	English	20	0
Doctoral (Ph.D)	PhD or DPhil,Information Technology	60	M.TECH	English	20	0

Position Details of Faculty & Staff in the College

Teaching Faculty												
	Professor				Associate Professor				Assistant Professor			
	Male	Female	Others	Total	Male	Female	Others	Total	Male	Female	Others	Total
Sanctioned by the UGC /University State Government	21				38				189			
Recruited	19	2	0	21	30	8	0	38	101	88	0	189
Yet to Recruit	0				0				0			
Sanctioned by the Management/Society or Other Authorized Bodies	0				0				0			
Recruited	0	0	0	0	0	0	0	0	0	0	0	0
Yet to Recruit	0				0				0			

Non-Teaching Staff				
	Male	Female	Others	Total
Sanctioned by the UGC /University State Government				63
Recruited	55	8	0	63
Yet to Recruit				0
Sanctioned by the Management/Society or Other Authorized Bodies				0
Recruited	0	0	0	0
Yet to Recruit				0

Technical Staff				
	Male	Female	Others	Total
Sanctioned by the UGC /University State Government				58
Recruited	55	3	0	58
Yet to Recruit				0
Sanctioned by the Management/Society or Other Authorized Bodies				0
Recruited	0	0	0	0
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	0	0	0	0	0	0	0	0	0	0
Ph.D.	19	2	0	14	7	0	28	25	0	95
M.Phil.	0	0	0	0	1	0	0	0	0	1
PG	0	0	0	16	0	0	73	63	0	152

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

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	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

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	904	24	0	0	928
	Female	413	7	0	0	420
	Others	0	0	0	0	0
PG	Male	8	0	0	0	8
	Female	13	1	0	0	14
	Others	0	0	0	0	0
Doctoral (Ph.D)	Male	0	0	0	0	0
	Female	0	0	0	0	0
	Others	0	0	0	0	0

Provide the Following Details of Students admitted to the College During the last four Academic Years					
Programme		Year 1	Year 2	Year 3	Year 4
SC	Male	142	150	93	87
	Female	64	63	52	61
	Others	0	0	0	0
ST	Male	26	24	15	25
	Female	7	6	11	14
	Others	0	0	0	0
OBC	Male	324	257	278	308
	Female	138	142	130	147
	Others	0	0	0	0
General	Male	150	175	246	228
	Female	76	79	100	104
	Others	0	0	0	0
Others	Male	102	86	75	79
	Female	41	49	39	40
	Others	0	0	0	0
Total		1070	1031	1039	1093

2.3 EVALUATIVE REPORT OF THE DEPARTMENTS

Department Name	Upload Report
Civil Engineering	View Document
Computer Science And Engg	View Document
Computer Technology	View Document
Electrical Engineering	View Document
Electronics And Telecom Engg	View Document
Electronics Engineering	View Document
Information Technology	View Document
Mechanical Engineering	View Document

Institutional preparedness for NEP

1. Multidisciplinary/interdisciplinary:	As per the guidelines of new education policy the institute has started four new edge UG programs in the areas of Artificial Intelligence & Machine Learning, AI & Data Science, CS & Design and IoT from 2021-22. Open elective course are offered by all the departments for the students of the other departments. 02 Minor programmes are offered by the institute. 1. B.E. Minor by IT Department in Cloud Computing and Big Data Analytics and 2. B.E. Minor by CT Department in Computer Science Engineering. 05 Honors programmes are offered by the institute 1. B.E. Hons. in Construction Technology by Civil Department. 2. B.E. Hons. in Automation and Computer Vision by ETC Dept. 3. B.E. Hons. in Cryptography by EE Department. 4. B.E. Hons. in Data Science and Machine Learning by IT Department 5. B.E. Hons. in AI and Deep Learning by IT Dept. The audit courses offered are planned to be converted into certificate courses. YCAP (1-6 module) skill development program is planned to be converted into diploma.
2. Academic bank of credits (ABC):	We aim to enroll Academic Bank of Credits system after implementation of NEP at the institute. We are in the process of discussion with the VNIT Nagpur, CoE Pune and and IIIT, Nagpur.
3. Skill development:	Various skill development programs are offered regularly by the institute to provide adequate training in market-relevant skills. Each department offers 30

	<p>Hrs. duration value added courses every year. Mainly the skill development programs are organized in the area of Soft skills, Language and communication skills, Life skills (Yoga, physical fitness, health and hygiene) and Awareness of trends in technology. The majority of courses offered by the particular disciplines in the institute are skill development oriented. The skill development certificate courses are planned by the institute.</p>
<p>4. Appropriate integration of Indian Knowledge system (teaching in Indian Language, culture, using online course):</p>	<p>We have planned to start the online certificate course on Indian Knowledge System- Ancient Indian History and Culture through Department of Humanities from this session.</p>
<p>5. Focus on Outcome based education (OBE):</p>	<p>YCCE is practicing outcome based education system since 2013. The course outcomes of all the courses offered by the institute are defined based on Blooms Taxonomy. The program outcomes given by the National Board of Accreditation are adopted as it is. The departments have defined 2-4 Program Specific Outcomes (PSO's) for the UG and PG programs offered. The Course Outcome/Program Outcome attainment is carried out as per the benchmarks/threshold using direct and indirect assessment methods using various attainment tools. Based on the level of attainment the corrective actions are planned in case of low attainment level.</p>
<p>6. Distance education/online education:</p>	<p>So far as per the AICTE-Approval Process Handbook, individual institutes are not permitted to offer on line distance learning (ODL) courses. If the AICTE-APH 2022-23 has affirmative provision we are willing to offer ODL courses.</p>

Extended Profile

1 Program

1.1

Number of programs offered year-wise for last five years

2020-21	2019-20	2018-19	2017-18	2016-17
14	14	16	21	21
File Description		Document		
Institutional data in prescribed format		View Document		

1.2

Number of departments offering academic programmes

Response: 8

2 Students

2.1

Number of students year-wise during last five years

2020-21	2019-20	2018-19	2017-18	2016-17
4816	4596	4757	4909	5059
File Description		Document		
Institutional data in prescribed format		View Document		

2.2

Number of outgoing / final year students year-wise during last five years

2020-21	2019-20	2018-19	2017-18	2016-17
4816	4596	4757	4909	5059
File Description		Document		
Institutional data in prescribed format		View Document		

2.3**Number of students appeared in the examination conducted by the Institution, year-wise during the last five years**

2020-21	2019-20	2018-19	2017-18	2016-17
4816	4596	4757	4909	5059
File Description		Document		
Institutional data in prescribed format		View Document		

2.4**Number of revaluation applications year-wise during last five years**

2020-21	2019-20	2018-19	2017-18	2016-17
27	142	178	154	146

3 Teachers**3.1****Number of courses in all programs year-wise during last five years**

2020-21	2019-20	2018-19	2017-18	2016-17
388	498	492	476	422
File Description		Document		
Institutional data in prescribed format		View Document		

3.2**Number of full time teachers year-wise during the last five years**

2020-21	2019-20	2018-19	2017-18	2016-17
234	238	237	300	291
File Description		Document		
Institutional data in prescribed format		View Document		

3.3

Number of sanctioned posts year-wise during last five years

2020-21	2019-20	2018-19	2017-18	2016-17
234	226	237	316	316
File Description		Document		
Institutional data in prescribed format		View Document		

4 Institution**4.1****Number of eligible applications received for admissions to all the programs year-wise during last five years**

2020-21	2019-20	2018-19	2017-18	2016-17
2835	3530	2913	2484	2363
File Description		Document		
Institutional data in prescribed format		View Document		

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

2020-21	2019-20	2018-19	2017-18	2016-17
545	478	478	531	531
File Description		Document		
Institutional data in prescribed format		View Document		

4.3**Total number of classrooms and seminar halls****Response: 86****4.4****Total number of computers in the campus for academic purpose****Response: 1600**

4.5

Total Expenditure excluding salary year-wise during last five years (INR in Lakhs)

2020-21	2019-20	2018-19	2017-18	2016-17
1390.00	1917.28	2239.42	2133.97	2312.39

NAAC

4. Quality Indicator Framework(QIF)

Criterion 1 - Curricular Aspects

1.1 Curriculum Design and Development

1.1.1 Curricula developed and implemented have relevance to the local, national, regional and global developmental needs which is reflected in Programme outcomes (POs), Programme Specific Outcomes(PSOs) and Course Outcomes(COs) of the Programmes offered by the Institution.

Response:

Factors considered for Curriculum Design: The cutting-edge curricula are designed in consultation with various stake holders. so as to identify the local, regional, national and global aspirations of the industry players. The Curricula is impeccably aligned to reflect the lofty vision and mission of the institute. The outcome- based education (OBE) is the pivotal notion on which the whole exercise of curricula design, development and implementation revolves. It encompasses the central theme of graduate attributes as advocated in the philosophy of NBA.

1. The cutting-edge courses provide a level playing field to the learners, to develop critical thinking, problem solving, moral values etc.
2. The experts from the industry and academia are roped in curricula design.
3. The curricula aim towards sensitize the learners on UHV, social and environmental obligations.
4. The curricula provide an ample room for ICT based learning. MOOCS certificate courses through NPTEL, UDEMI etc. elevate the learners by enhancing their technical knowledge and augmenting their employability index, positioning them high on the learning curve.
5. The students' skills and competencies shall be developed through the centres of excellences established in the institution. The Curriculum ensures that the students have the required domain knowledge, skills, and innovative mind sets, opportunities to learn through ODL, using Swayam / NPTEL and extensive use of ICT. The documents referred for the curriculum design are: (i) Model curriculum prescribed by AICTE, (ii) The Program Specific Criteria of professional bodies, (iii) Suggestions by industry experts and alumni, (iv) Syllabus of various reputed Indian and International Universities, (v) Recent technological developments in the domain and more recently the areas covered under National Education Policy. The core of NAAC are taken into consideration in the curriculum to enhance human resource development, individual capacity building , and the needs of the society and the nation.

Addressing POs through the Curriculum: The institute follows the outcome-based education (OBE) model as advocated by NBA. Every program has a set of unique program objectives (PO). The courses under the program at different levels have a unique set of Course Outcomes (CO). The Course outcomes are mapped with program outcomes using rubrics as well as direct and indirect methods of assessment. Through continual assessment, corrective actions are taken to meet the program objectives, and the graduates are able to eventually demonstrate all the essential attributes as advocated by NBA.

Process for Curriculum Design: The preliminary version of the curriculum is prepared by having the

above design criteria, through discussions with stakeholders. The curriculum is then placed for discussion/approval by the BOS (Board of Studies), which also comprises inputs from expert academician and industrial expert. The curriculum is further presented for approval by the Academic Council (AC); incorporating suggestions by AC, if any. The academic autonomy provides the opportunity to frequently revise the curriculum based on needs and suggestions of various stake holders. The major revisions of curriculum are carried out once in every four years; up to 20% minor changes are done every year as per the need.

File Description	Document
Link for Additional Information	View Document

1.1.2 Percentage of Programmes where syllabus revision was carried out during the last five years.

Response: 66.67

1.1.2.1 Number of all Programmes offered by the institution during the last five years.

Response: 21

1.1.2.2 How many Programmes were revised out of total number of Programmes offered during the last five years

Response: 14

File Description	Document
Minutes of relevant Academic Council/BOS meeting	View Document
Details of program syllabus revision in last 5 years(Data Template)	View Document

1.1.3 Average percentage of courses having focus on employability/ entrepreneurship/ skill development offered by the institution during the last five years

Response: 79.83

1.1.3.1 Number of courses having focus on employability/ entrepreneurship/ skill development year-wise during the last five years..

2020-21	2019-20	2018-19	2017-18	2016-17
348	399	372	364	326

File Description	Document
Programme / Curriculum/ Syllabus of the courses	View Document
MoU's with relevant organizations for these courses, if any	View Document
Minutes of the Boards of Studies/ Academic Council meetings with approvals for these courses	View Document
Average percentage of courses having focus on employability/ entrepreneurship(Data Template)	View Document

1.2 Academic Flexibility

<p>1.2.1 Percentage of new courses introduced of the total number of courses across all programs offered during the last five years.</p> <p>Response: 3.83</p>	
<p>1.2.1.1 How many new courses are introduced within the last five years</p> <p>Response: 114</p>	
<p>1.2.1.2 Number of courses offered by the institution across all programmes during the last five years.</p> <p>Response: 2976</p>	
File Description	Document
Minutes of relevant Academic Council/BOS meetings	View Document
Institutional data in prescribed format	View Document
<p>1.2.2 Percentage of Programmes in which Choice Based Credit System (CBCS) / elective course system has been implemented (Data for the latest completed academic year).</p> <p>Response: 100</p>	
<p>1.2.2.1 Number of Programmes in which CBCS / Elective course system implemented.</p> <p>Response: 14</p>	

File Description	Document
Minutes of relevant Academic Council/BOS meetings	View Document
Institutional data in prescribed format	View Document
Link for Additional Information	View Document

1.3 Curriculum Enrichment

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

Response:

The fundamental building blocks of the society and nation are at large acknowledged and practiced in Institute; so as to help students make a virtuous choice. With technical know-how certain cross cutting issues such as professional ethics, universal human values, sustainable environment and corporate citizenship are given the due importance. Workplace tolerance and harmony, team spirit, corporate governance are some of the value added trainings, successfully imparted to the learners and the faculty.

The curriculum comprises courses fulfilling the needs of cross cutting issues. This results into knowledge enhancement, improves the self-realization and a sense of belongingness to the society. A sample of courses offered to the students for enhancing the knowledge in the above aspects is listed below.

Professional Ethics: Professional ethics is covered in various subjects like RCC Design, Steel Structures and Estimating & Costing, Software engineering, Ethical Hacking and Cyber Forensics, Ethical Hacking, Semantic Web and Social Networks, Privacy and Security in Online Social Networks, Information Security. Various events are regularly organized to spread cognizance about copyright violations and plagiarism checks.

Gender: The institute is steadfast in providing education to one and all, irrespective of gender, caste, creed, religion, and the social strata by providing a value-based education, largely for growth and development. Gender equality is also being strictly followed in the selection of faculty as functional heads and other supporting staff. Subject like Fundamentals of Management encompasses the areas of gender equality. There are many platforms for hands-on experiences related to gender sensitivity which enable the students to interface situations such as-field work, community outreach, and gender sensitization activities.

Human Value Orientation: The Institute has been developing value-based holistic vision by imparting values- respect towards elders, honesty, loyalty, and equality of opportunity through examples and motivational lectures by faculties and guests. Departments also organize various events on Human Values and Women Empowerment. A 10-day NSS camp is one such initiative to acquaint students towards the prevailing problems of rural India. The students are also engaged in value added programmes to create awareness about social responsibilities.

Human values and moral ethics are inculcated in the students through various programmes like Blood donation camp, Tree plantation, Swachh Bharat, Motivation lectures, World Environment Day, Teachers

Day etc.. So far around 20 programmes like "Awareness on Sexual Harassment at Work Place", "Laws related to Women", "Cervical Cancer Awareness", "Gender Sensitization and Social Responsibility" etc. are conducted for inculcating human values.

Environment and Sustainability: The environmental conservation and optimum utilization of natural resources are the concerned areas for the institute. These issues are dealt in the classroom through a regular course like Environmental Management, Air Pollution and Solid Waste Management, Environmental & Social Impact Assessment, Water Reuse and Recycling, Rural Water Supply and Sanitation, Energy Conversion and Management, Environmental Legislation and Management System, Industrial Waste Water Treatment and Reuse, Solar Energy and it's utilisation, Renewable Energy System, Industrial Safety, Electrical Energy Audit and Safety Analysis, Energy Conservation and Management. The campus lush green area illustrates the environmental sustainability concern.

File Description	Document
Upload the list and description of the courses which address the Gender, Environment and Sustainability, Human Values and Professional Ethics into the Curriculum	View Document

1.3.2 Number of value-added courses for imparting transferable and life skills offered during last five years.

Response: 100

1.3.2.1 How many new value-added courses are added within the last five years

2020-21	2019-20	2018-19	2017-18	2016-17
25	22	20	20	13

File Description	Document
List of value added courses (Data Template)	View Document
Brochure or any other document relating to value added courses	View Document

1.3.3 Average Percentage of students enrolled in the courses under 1.3.2 above.

Response: 63.22

1.3.3.1 Number of students enrolled in subject related Certificate or Add-on programs year wise

during last five years

2020-21	2019-20	2018-19	2017-18	2016-17
3242	3064	2644	3127	3180

File Description	Document
List of students enrolled	View Document
Link for Additional Information	View Document

1.3.4 Percentage of students undertaking field projects/ internships / student projects (Data for the latest completed academic year)**Response:** 27.26**1.3.4.1 Number of students undertaking field projects / internships / student projects****Response:** 1313

File Description	Document
List of programs and number of students undertaking field projects / internships / student projects (Data Template)	View Document
Link for Additional Information	View Document

1.4 Feedback System**1.4.1 Structured feedback for design and review of syllabus – semester-wise / year-wise is received from 1) Students, 2) Teachers, 3) Employers, 4) Alumni****Response:** A. All 4 of the above

File Description	Document
URL for stakeholder feedback report	View Document
Link for Additional Information	View Document

1.4.2 The feedback system of the Institution comprises of the following :**Response:** A. Feedback collected, analysed and action taken and report made available on website

File Description	Document
URL for stakeholder feedback report	View Document
Link for Additional Information	View Document

NAAC

Criterion 2 - Teaching-learning and Evaluation

2.1 Student Enrollment and Profile

2.1.1 Average Enrolment percentage (Average of last five years)

Response: 93.09

2.1.1.1 Number of students admitted year-wise during last five years

2020-21	2019-20	2018-19	2017-18	2016-17
1236	1122	1082	1139	1171

2.1.1.2 Number of sanctioned seats year wise during last five years

2020-21	2019-20	2018-19	2017-18	2016-17
1315	1153	1153	1281	1281

File Description

Document

Institutional data in prescribed format (Data Template)

[View Document](#)

Any additional information

[View Document](#)

Link for Additional Information

[View Document](#)

2.1.2 Average percentage of seats filled against reserved categories (SC, ST, OBC, Divyangjan, etc. as per applicable reservation policy) during the last five years (exclusive of supernumerary seats)

Response: 79.18

2.1.2.1 Number of actual students admitted from the reserved categories year wise during last five years

2020-21	2019-20	2018-19	2017-18	2016-17
450	383	381	407	408

File Description	Document
Institutional data in prescribed format	View Document
Link for Additional Information	View Document

2.2 Catering to Student Diversity

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

Response:

The Knowledge acquiring process is diverse, hence the needs and aspirations of the advanced and the slow learners are distinct. The institute has a special and a well devised mechanism to address and identify these learners, without demarcating the two types from the basic constitution, culture and cohort. We are committed towards social justice, equity through increasing the access to higher education. A structured Mentoring is in place wherein every student is provided with a faculty advisor and the scheduled interactions are recorded.

Catering the needs of advanced Learners:

Diverse academic opportunities are rendered and mentored by experts to participate as well excel in several events and competitions like: Smart India Hackathon, Code Chef and other Coding contests, National and International Paper Presentations and project competitions. Students are steered to take up additional courses viz. NPTEL/SWAYAM courses, MOOCs, Certification Courses, learning tools like R Lab, MATLAB, Android OS, CAD/CAM. The advanced learners are involved in industry based/collaborative projects, multidisciplinary/ interdisciplinary projects. Advanced learners are motivated to become members of professional bodies such as ACM, CSI, IETE, ISTE and Institution level clubs/forums.

Another important aspect is, alumni mentoring students for startups and other activities. The Mentor encourages them to work on innovative ideas, incubate it and boost their own start-ups. YCCE's TBI incubation center provides necessary facilities to incubate their ideas.

Catering the needs of slow Learners:

The slow learners are identified by every department based on the performance of students in the mid sessional examinations. Slow learners are mentored through interactive sessions. Faculties conducts remedial sessions, special assignments, counselling, planning of studies etc..

The Bridge courses are conducted for Lateral Entry students and the slow learners, for subjects like programming, mathematics, and English communication skills etc. to bridge the gap. To enhance confidence and proficiency special courses such as 'Talk in English (TIE)' are offered. Providing study material has ameliorated their performance. The measures like remedial classes have facilitated the slow learners to solve difficulties and have accelerated their confidence in the subjects that are difficult for them. Learning methods like: Think-Pair-Share, shadow learning etc. are used for enhancing the learning abilities. These activities help the slow learners immensely to work on their weaker areas and improve their performance.

For the students who have either failed or detained in regular terms are facilitated with a special term called 'Summer Term' is offered during the summer break, in order to complete the term before the commencement of the next academic session.

A provision has been made for specially-abled students. These students are entitled for extra timings to complete their tests, during mid-sessional and end semester examinations. They can also avail the facility of a writer who writes on behalf.

Through these measures, the institution has assisted and facilitated in encouraging the slow learner to emerge as an advanced learner, as well preparing the advance learner to reach the highest prospects and opportunities.

File Description	Document
Link for Additional Information	View Document

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

Response: 20.58

File Description	Document
Link for Additional Information	View Document

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

Response:

The institute espouses various proven pedagogy of teaching and learning, through collaborative teaching and learning practices. This process is learner centric and the end outcome of every process is evaluated on the basis of the satisfaction index of the learner and other stake holders of the institute. The outcome of collaborative learning enhances critical thinking and problem-solving abilities.

The teaching-learning process is one of the strengths of the institute. The focus is on learner-centric approaches for ensuring the holistic development of students. The institute is practicing the innovative teaching and learning process for effective pedagogy. The courses are designed to effectuate the learning outcomes.

The innovative experiential methodologies used are:

- Learning by doing

- Storyboard
- Shadow teaching
- Internships/Industrial Visits

Problem Solving Methodologies used are:

- Think Pair Share
- Mini projects/Major Projects
- Project Based Learning

Participative Learning Methodologies used are:

- Flipped classroom & Blended learning
- Case studies
- Open House
- Field visits

These student centric methods are used by faculty, supported with E-contents developed by faculty. IQAC and Academic Audit keeps a track of these student-centric methods. All these unique methods are successful and evident through the students' feedback.

Modern tools and technological innovations are used in teaching learning process. The institution encourages extensive use of ICT in teaching and learning. The institute has Computer labs with internet facility, Wi-Fi, LCD Projectors, Smart Boards, Video conferencing facility, and Language lab and Conference halls to develop interactive skills. The Moodle based departmental websites, the T-L platforms like: Impartus, Google Class Rooms, Zoom etc. provides E-Learning better platform through these sources.

The real time projects are given to the students of seventh semester which, guided by academicians, industry and research personnel. A student has to perform a minimum of two laboratory courses per semesters. The Assignments are given to nurture the problem-solving abilities. The laboratories are equipped with both hardware and software facilities and instruction manuals are provided. The experiments challenge the student's critical thinking, analysis and design capabilities. The students are trained for virtual labs and modern simulation tools.

Departmental professional technical societies are established with an objective of tapping, nurturing and channelizing the dynamism of every student. The academic clubs of the departments organize activities to facilitate the creative academic quests of the students individually and collectively. The departments co-curricular events like quiz, poster-making, technical symposia, debates, etc. that help students in sculpturing their personality. The Inter-college and inter-departmental academic programs besides enhancing creativity bring a competitive edge to the academic endeavors of the students.

The industrial visits, site visits, camps survey, guest lectures are conducted regularly based on the latest trends in the industry. Hands on training workshops by the industry experts, add to the practical learning of the students.

The Institution has established incubation center for students with an aim to inculcate the culture of innovation amongst students and hearten them to generate new ideas.

The collaboration with proven pedagogy of teaching and learning practices have imperatively enhanced the learning process while creating an environment of incubating new ideas.

File Description	Document
Link for Additional Information	View Document

2.3.2 Teachers use ICT enabled tools including online resources for effective teaching and learning process.

Response:

The institute gives boundless importance to the mitigation of digital divide and enhancement of digital literacy. Students are encouraged for the online learning resources to acquire add on and value-added certifications, resulting in placing them high, on the learning curve. Efforts are been taken to popularize the MOOCS among the learners and the faculty members. So that together they can migrate up the value chain in acquiring advanced know-how in their respective domains of learning/expertise.

Unleashing the routine and obsolete teaching methodology, the institute has developed various innovative methods of teaching learning process for the students. Institution encourages faculty for the extensive usage of ICT enabled tools and online for student centric effective learning. All the courses offered by the institute extensively make use of ICT facility. All classrooms are equipped with required ICT enabled facilities for conducting the online lectures. Faculty members used IMPARTUS, Google Classroom, Zoom Platforms for conducting online lectures. Virtual lab platforms are used for conducting practicals. The computers in different laboratories, faculty rooms, research labs, central computing center, Student Hostels, are provided with Internet facility. Entire campus is Wi-Fi enabled. In-house Moodle based departmental website is used for sharing of e-resources, the faculty uploads lesson plans, time- table, course materials, and question banks, submitting online assignments as well as its assessments. The lecture notes and the laboratory manuals are made available on intra- net, accessible to every student and faculty member.

There is an exclusive Digital Library with 44 computers which works from 8:00 am to 8:00 pm every day. Several Online journals, e-books, e-lecture materials are accessible. Faculty members use E-learning resources from National Programme on Technology Enhanced Learning (NPTEL) to the e-material developed by the institute (DTEL). The entire institution has installed LCD video display screens for instantaneous communication in every building. The student support center addresses the student's quires through online mode. Special sessions are conducted by teachers for addressing the queries raised by students.

Online industry visits are organized by the departments for the students. During the pandemic period faculty development programs, guest lectures, webinars, student's technical and cultural events, alumni meet is organized in an online mode. Majority of the faculty members and the students have completed SWAYAM/NPTEL/ Coursera Certification through online mode.

The mid-semester and end semester examinations- theory and practical are conducted online. The results of these examinations are made available to students through online mode. The performance of the mentee is

communicated to parents on regular bases via.SMS and telephone. The Google apps and student diary app are even used to communicate with the students.

The student admission process to the higher semesters was conducted online with online fees payment facility. The important events like - Graduation day, the Republic day and the Independence day were celebrated through online mode. Even the Parent-teacher meets are conducted using ICT enabled tools.

The institutional initiative for digital divide and enhancement of digital literacy has contributed profusely elevated the entire system of institution.

File Description	Document
Any additional information	View Document
Provide link for webpage describing ICT enabled tools including online resources for effective teaching and learning process	View Document

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

Response: 21:1

2.3.3.1 Number of mentors

Response: 227

File Description	Document
Upload year wise, number of students enrolled and full time teachers on roll	View Document
Circulars pertaining to assigning mentors to mentees	View Document
Link for additional information	View Document

2.3.4 Preparation and adherence of Academic Calendar and Teaching plans by the institution

Response:

Planning academic calendar envisages the visions for the upcoming year giving clarity and focus for the commitment as well the alignment of strength. The Principal and the Dean (Academic Matters), with consideration and the inputs from Dean's, HoD's and CoE formulate the academic calendar well in advance before the commencement of the academic session/semester. The academic calendar is circulated to the students before the commencement of classwork. The academic calendar is not only displayed on all the department notice boards, as well available on the institutional website. The academic activities strictly adhere to the calendar. In adverse cases decision to deviate from the academic plan is taken collectively,

with the approval of competent authorities. All the examinations are being conducted as per the Academic Calendar.

The academic calendar outlines the schedules of - session/semester schedule, test, examination, YCCE cultural fest and the departmental technical events. Every department schedule an additional professional body activity, industrial visits, value added programs, conference, workshop, symposium, training programs etc. without affecting the Academic Calendar prepared at the institute level.

Time table in-charge of each department prepares timetable as per the guidelines provided by Dean (Academic Matters). Before finalizing the department time-table, the Head of the department allocates the courses to the faculty members based on their choices and areas of expertise. Before the commencement of semester, the faculty prepares the teaching plan which is reviewed by the senior faculty member in the department and finally approved by the Head of the Department.

Teaching Plans:

The faculty prepares the Teaching plan (Handouts) in the prescribed format before the commencement of the class work in each semester. The teaching plan is prepared to adhere to the needs of Outcome Based Education prescribed by the National Board of Accreditation (NBA). **The contents of the plan include:**

- Course prerequisites
- Course objectives and outcomes
- Mapping of course outcomes with program outcomes
- Course syllabus
- Detailed unit wise lecture plan
- Learning resources/Text Books/Reference Books
- Delivery methodologies
- Assessment methods
- Content beyond syllabus/Any Additional information

The copies of the same are maintained in the department. The web link for the teaching plan is available at <http://ycce.edu>. The faculty's adherences to the academic plan and the details are recorded in the college management information system (MIS) viz. lectures engaged, topics covered, and student's attendance and evaluation record. Academic Audit Committee carries out the audit of class engagement of each faculty. These audit reports are submitted to the head of the departments for essential follow up action. The consolidated class engagement is discussed in the monthly meeting which is chaired by the Principal in the presence of all the HoDs. The informal feedback by the departmental committee ensures the progress of content delivery and its quality. Feedback from the students is collected twice a semester - in between and towards the end of the semester.

The strategic planning and adherence to the academic calendar and the teaching plan have profoundly and systematical helped to carry out futures' decision, securing the desired results against the expectations.

File Description	Document
Upload Academic Calendar and Teaching plans for five years	View Document
Link for Additional Information	View Document

2.4 Teacher Profile and Quality

2.4.1 Average percentage of full time teachers against sanctioned posts during the last five years	
Response: 98.47	
File Description	Document
Year wise full time teachers and sanctioned posts for 5 years(Data Template)	View Document
List of the faculty members authenticated by the Head of HEI	View Document
Link for Additional Information	View Document

2.4.2 Average percentage of full time teachers with Ph. D. / D.M. / M.Ch. / D.N.B Superspeciality / D.Sc. / D.Litt. during the last five years (consider only highest degree for count)											
Response: 101.78											
2.4.2.1 Number of full time teachers with <i>Ph.D./D.M/M.Ch./D.N.B Superspeciality/D.Sc./D’Lit.</i> year wise during the last five years											
<table border="1"> <thead> <tr> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> <th>2017-18</th> <th>2016-17</th> </tr> </thead> <tbody> <tr> <td>234</td> <td>226</td> <td>237</td> <td>316</td> <td>316</td> </tr> </tbody> </table>		2020-21	2019-20	2018-19	2017-18	2016-17	234	226	237	316	316
2020-21	2019-20	2018-19	2017-18	2016-17							
234	226	237	316	316							
File Description	Document										
Institutional data in prescribed format (Data Template)	View Document										
Link for Additional Information	View Document										

2.4.3 Average teaching experience of full time teachers in the same institution (Data for the latest completed academic year in number of years)
Response: 18.77

2.4.3.1 Total experience of full-time teachers

Response: 4392

File Description	Document
Institutional data in prescribed format	View Document
Link for Additional Information	View Document

2.5 Evaluation Process and Reforms**2.5.1 Average number of days from the date of last semester-end/ year- end examination till the declaration of results year-wise during the last five years**

Response: 12.6

2.5.1.1 Number of days from the date of last semester-end/ year- end examination till the declaration of results year wise during the last five years

2020-21	2019-20	2018-19	2017-18	2016-17
11	11	14	13	14

File Description	Document
Institutional data in prescribed format (Data Template)	View Document
Link for Additional Information	View Document

2.5.2 Average percentage of student complaints/grievances about evaluation against total number appeared in the examinations during the last five years

Response: 5.75

2.5.2.1 Number of complaints/grievances about evaluation year wise during the last five years

2020-21	2019-20	2018-19	2017-18	2016-17
41	146	441	344	427

File Description	Document
Number of complaints and total number of students appeared year wise	View Document
Any additional information	View Document
Link for Additional Information	View Document

2.5.3 IT integration and reforms in the examination procedures and processes including Continuous Internal Assessment (CIA) have brought in considerable improvement in Examination Management System (EMS) of the Institution

Response:

- Examination procedures
- Processes integrating IT
- Continuous internal assessment system

In order to keep pace with the advancements, ICT- enabled processes has been adopted by the institution in the administration and the examinations system. It has facilitated immensely to reform and rejuvenate the entire system. The significant improvement has been witnessed through the systematic process of continuous internal assessment and by providing ready and relevant information to the stakeholders. The examination process is not only enshrined in the college prospectus but is also communicated to the students before the commencement of semester. The software is inclusive of integrated modules related to the academic process.

Reforms on the Examination Procedures and Processes:

The semester system is followed for the UG and PG programs. The student's performance in each semester is evaluated course wise with a maximum of 100 marks for theory and 100 marks for the practical courses. The mini-project, seminar, comprehensive viva-voce each have a weightage of 100 marks and final year project work have 200 marks respectively. A candidate needs to score, minimum 40 marks in theory and 50 marks in practical courses in the end semester examination. The UG and the PG students have to earn credits to satisfy the minimum academic requirement to obtain the degree. Marks obtained in all the credits are considered for the calculation of CGPA.

The facility of showing the answer sheet showcases the transparency in the evaluation system.

Question papers are thoroughly moderated to ensure the standard, coverage of the syllabus and mapping of COs as per BLOOMS Taxonomy. AutoCAD is used for engineering drawing practice and examinations.

Processes Integrating IT:

Examination Management System services are available to integrate all the activities in the examination cell. The pre and post examination activities are integrated, starting with examination notification. The entire process of examination is online from exam from filling till result declaration. The system of online valuation is practiced, where the results are generated automatically based on the marks entered. The

tabulation committee decides the grade cut-offs and are sent to RRMC for the review and comments. Complete automation system endeavours the successful execution of examination processes, inclusive of monitoring of examination, payment & schedule, coding and decoding of scripts etc.

Continuous internal assessment system:

Continuous internal assessment is done through, three mid-semester exams, one online test for TA marks for B.E and M. Tech programmes. The continuous evaluation of the practical course is carried out every week. Seminars, quizzes etc. activities are also conducted. The test marks of the student are uploaded in database software and can be viewed by students. For the final year project evaluation rubric based standard operating procedure is followed by every department. It starts with the title selection seminar, synopsis submission, periodic progress seminars and demonstrations, thesis evaluation, internal viva voce and external examinations.

The ICT and the different measures of examination reforms have distinctly upgraded and qualitative elevated the entire process.

File Description	Document
Link for Additional Information	View Document

2.6 Student Performance and Learning Outcomes

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

Response:

Since the embarkation of outcome-based education (OBE) model, the institute has published and democratised the essential features of OBE. Through special trainings and awareness initiatives, the learners and the faculty members are acquainted with the philosophy and the style of OBE. To induce the required skill sets and competencies among the students and to foster the critical thinking as per the global requirements, accordingly the course outcomes are designed.

The Outcome Based Education (OBE) is practiced as per the guidelines of National Board of Accreditation since 2014 as it lays emphasis on what is expected from the students, when they complete their course. In line with OBE Program Specific Outcomes (PSOs), Program Outcomes (POs) and Course Outcomes (COs) are evolved.

The institution has adopted the Programme Outcomes (PO's) stated by the NBA. Every department has defined 2-4 Programme Specific Outcomes (PSO's) through consultation process with the stake holders and by considering the inputs evolved in cognizance with the latest technological demand, job prospects and societal requirements for all the programmes offered.

Course outcomes (CO's) describe the essentials of enduring disciplinary knowledge, the abilities that the students should possess and the depth of learning that is expected after the completion of a course. These relate to the skills, fundamental knowledge, and behavior that students acquire by pursuing the course. The

Course outcomes are designed in sublime manner which appropriately commensurate the PO's and PSO's. The course outcomes are designed based on blooms taxonomy and are lucidly mentioned in the syllabi.

The COs are correlated with the POs in the scale of 1 to 3, 1 being the slight (low), 2 being moderate (medium) and 3 being substantial (high). CO-PO mapping matrix is prepared for every course in the program including the elective subjects. Each Course Outcome is mapped to Program Outcomes and Program Specific Outcomes in terms of their correlation. The contribution of a course to each PO/PSO is expressed in terms of the average relevance of COs mapped to that particular PO/PSO.

The Department Quality Assurance Committee (DQAC) reviews the defined CO's and sends to the IQAC for the approval. The IQAC approves it or suggests changes if required. Once IQAC approves, the course teachers include it in the Teaching Plan/Handouts.

The institution communicates these COs and POs to the teachers and students through-

- College website: <http://www.ycce.edu>
- Department Moodle
- Department Notice Boards and Displays
- Program Specific Laboratories notice boards
- Display in HoD Office
- Course Hand-Outs/Teaching Plan
- Course Files
- Laboratories Manuals and Notice Boards
- Department Magazine/Newsletter
- Display at the Prominent Locations in the Campus
- Standees in the departments

Apart from these, the outcomes are disseminated to the stakeholders of the program through faculty meetings, student awareness workshops, student induction programs, Parents meetings etc. At the outset of academic session the students are briefed about the course outcomes and attainment process by faculties in the regular class room teaching.

File Available to Upload: Link of YCCE Website, Upload COs for all courses

File Description	Document
Upload COs for all courses (exemplars from Glossary)	View Document
Link for Additional Information	View Document

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

Response:

Attainment of program outcomes and course outcomes are the mirror image of the graduate attributes

being attained by the learners. Acquiring the properties as enunciated in graduate attributes as advocated by NBA is a constant evolving process, which requires continuous monitoring and corrective remedial measures.

The POs / PSOs are the qualities that must be imbibed towards the end of the programme. The process of COs, POs and PSOs starts from writing appropriate COs for each course of the program from first year to fourth year in a four-year engineering degree program. Each course has defined set of course outcomes and corresponding evaluation criteria. The mapping of COs with POs, provide the quantitative measurement of how well the program outcomes are achieved. Attainment of COs of the Course is measured directly and indirectly. Direct attainment of COs is determined from the performances of students through assessment tools. Indirect attainment of COs is determined from the surveys. The level of attainment of each CO is compared with the predefined targets, if unachieved then the course teacher takes necessary steps for the improvement to reach the target.

The CO attainment levels are measured through MSEs and ESE examination (Direct attainment). In the institute, three mid semester examination assessment tests are conducted for each course in a semester. In each mid semester examination and end semester examination the percentage of students scoring a set target of marks (usually, 60% of the maximum marks) for the COs that are covered is computed. The average of these percentages is computed to decide the attainment level as per the NBA guidelines:

Attainment Level 1: 60% of students score more than 60% marks out of the maximum relevant marks.

Attainment Level 2: 70% of students score more than 60% marks out of the maximum relevant marks.

Attainment Level 3: 80% of students score more than 60% marks out of the maximum relevant marks.

The average of percentage of students attaining all the COs decides the CO attainment level

The various assessment tools are used for the direct and indirect assessment.

1. Direct tools:

- Mid-Semester Examinations
- End-Semester Examinations
- Continuous Evaluation of Laboratory
- Tutorials/Assignment
- Project

2. Indirect tools:

- Student Survey (Course outcome, Exit Survey)
- Faculty Survey
- Alumni Survey
-
- 40% weightage for MSE and 60% weightage for ESE assessment are given. The procedure of computing overall CO attainment is followed for each course from first year to final year in an academic year to enable computation of PO and PSO attainment levels.

PO's and PSO's are attained through the attainment of CO's. Using the overall course attainment levels of all the courses, the PO attainment values are computed in direct attainment. Another element included in the assessment of attainment of PO's is the opinion of stakeholders like passing out graduates, through

surveys about the attainment of each program outcome in indirect attainment method. The overall program outcome attainment is calculated with 80% weightage to direct assessment and 20% weightage to indirect assessment.

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

2.6.3 Pass Percentage of students(Data for the latest completed academic year)

Response: 96.52

2.6.3.1 Total number of final year students who passed the examination conducted by Institution.

Response: 1193

2.6.3.2 Total number of final year students who appeared for the examination conducted by the Institution.

Response: 1236

File Description	Document
Upload List of Programmes and number of students passed and appeared in the final year examination(Data Template)	View Document
Any additional information	View Document
Link for the annual report	View Document

2.7 Student Satisfaction Survey

2.7.1 Online student satisfaction survey regarding teaching learning process

Response: 3.75

File Description	Document
Upload database of all currently enrolled students	View Document
Link for any additional information	View Document

NAAC

Criterion 3 - Research, Innovations and Extension

3.1 Promotion of Research and Facilities

3.1.1 The institution's Research facilities are frequently updated and there is a well defined policy for promotion of research which is uploaded on the institutional website and implemented

Response:

The objectives of the institute are in-line with the vision of the institute to contribute to the national development through human resource development and the capacity building of individuals. It also caters to the needs of the economy, society and the country as a whole. The Institution has framed research policy to promote R&D culture through a structured system of research. The policy ensures the enhancement of R&D activities and achievement of the set targets. Initially the R&D related activities were looked after by R&D cell comprising of various research groups 1. Funding Proposal Drafting, 2. Research Centre Coordination and 3. Patents and copy rights. The R&D Cell is reorganized in 2018 to address the new areas as per the need of the hour empowering the coordinators of various activities. The more emphasis is on publication and citations, open avenues for industrial collaborations, more focus on innovation and incubation and strengthen journal published by the institution.

The R&D cell is decentralized in 2019-20 with defined functions:

- i) **Division of Research Advocacy:** This vertical primarily looks after PhD programmes, Institutional Journal and Research Portal. It frames academic rules and regulations for PhD scholars and also updates the same as and when required.
- ii) **Division of Research Publications:** It is for strengthening the quality of publications and increasing the citations in reputed research databases. It organizes programs for enhancing publications. Plagiarism checking is the core responsibility of this division.
- iii) **Division of Experimental Research:** It looks into funding proposal guidance, drafting, and submission and organizes activities related to the domain.
- iv) **Division of Research Innovation & Incubation:** It looks after IPR, Innovation and Incubation activities. It works for providing and apt utilization of seed money to incubate and providing required infrastructural support for incubation.
- v) **Division of Industrial Research & Consultancy:** Industry related Coordination and collaborations, Consultancy in departments, Joint Research with Industry and organising programmes for enhancement is the core area.

The verticals follow specific guidelines.

- i) Faculty members, assigned specific responsibility carry out work in specific domain under the supervision of Mentors and Vertical Leaders.
- ii) Vertical leaders frame action plan for achieving targets as per the Five-year action plan. They frame activity calendar and monitor targets monthly to ensure the achievement of the set targets.

iii) It proposes in-house funding schemes and allocation of seed money.

The Institute encourages faculty members for research by providing equipped laboratories and offering incentives. The research incentives policy is furnished below:

Faculty Policies (Research):

- Industry/research Lab Policy (Sabbatical Leave)- 2 Months paid leave +TA+ DA 750/- per day
- Publication of papers in reputed International Journals - Rs.5000/-
- Presentation of paper in International Conf.–Registration Fees Max. Rs.5000/- + OD Leave
- Presentation of paper in abroad International Conf. - Rs.35000/- + OD Leave
- Publication of Books/Monographs - Rs. 3000/-

Student Policies (Research):

- Policy for participation in design competitions: Max. Rs. 10000/- registration fees
- Attending Reputed Conf.: 100% registration fees (Max. Rs. 5000/-)
- Publication of Paper in reputed Journal:25% of publication charges (Max. Rs. 5000/-)

File Description	Document
Minutes of the Governing Council/ Syndicate/Board of Management related to research promotion policy adoption	View Document
URL of Policy document on promotion of research uploaded on website	View Document

3.1.2 The institution provides seed money to its teachers for research (average per year, INR in Lakhs)

Response: 9.11

3.1.2.1 The amount of seed money provided by institution to its faculty year-wise during the last five years (INR in lakhs).

2020-21	2019-20	2018-19	2017-18	2016-17
2.46	1.70	8.62	18.23	14.53

File Description	Document
Minutes of the relevant bodies of the Institution	View Document
List of teachers receiving grant and details of grant received	View Document
Budget and expenditure statements signed by the Finance Officer indicating seed money provided and utilized	View Document
Any additional information	View Document

3.1.3 Percentage of teachers awarded national / international fellowship for advanced studies/research during the last five years

Response: 24.62

3.1.3.1 The number of teachers awarded national / international fellowship for advanced studies / research year wise during last five years

2020-21	2019-20	2018-19	2017-18	2016-17
69	52	80	98	21

File Description	Document
List of teachers and their international fellowship details	View Document
e-copies of the award letters of the teachers	View Document

3.2 Resource Mobilization for Research

3.2.1 Grants received from Government and non-governmental agencies for research projects, endowments, Chairs in the institution during the last five years (INR in Lakhs)

Response: 219.27

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

2020-21	2019-20	2018-19	2017-18	2016-17
31.32	34.99	73.75	45.38	33.83

File Description	Document
List of project and grant details	View Document
e-copies of the grant award letters for research projects sponsored by government and non-government	View Document

3.2.2 Percentage of teachers having research projects during the last five years

Response: 60.08

3.2.2.1 Number of teachers having research projects during the last five years

2020-21	2019-20	2018-19	2017-18	2016-17
147	147	142	169	176

File Description	Document
Names of teachers having research projects	View Document
Link for additional information	View Document

3.2.3 Percentage of teachers recognised as research guides

Response: 26.5

3.2.3.1 Number of teachers recognized as research guides

Response: 62

File Description	Document
Upload copies of the letter of the university recognizing faculty as research guides	View Document
Link for additional information	View Document

3.2.4 Average percentage of departments having Research projects funded by government and non-government agencies during the last five years

Response: 90

3.2.4.1 Number of departments having Research projects funded by government and non-government agencies during the last five years

2020-21	2019-20	2018-19	2017-18	2016-17
07	07	07	07	08

3.2.4.2 Number of departments offering academic programmes

2020-21	2019-20	2018-19	2017-18	2016-17
08	08	08	08	08

File Description	Document
Supporting document from Funding Agency	View Document
List of research projects and funding details	View Document
Paste link to funding agency website	View Document

3.3 Innovation Ecosystem

3.3.1 Institution has created an eco system for innovations, creation and transfer of knowledge supported by dedicated centers for research, entrepreneurship, community orientation, Incubation etc.

Response:

Division of Research Innovation and Incubation is the key research vertical for innovation, incubation and transfer of knowledge. It has taken major initiatives for development and effective implementation of ecosystem like,

- Incubation policy
- SOP and policy for IPR
- In house patentable product development scheme
- SOP for In house seed fund support

The students and faculty have an excellent opportunity to share their ideas. The selected ideas which are feasible to implement and have a commercial advantage, get shortlisted. These ideas are further elaborated by framing a problem, understanding the customer requirements, brainstorming and identifying a set of solutions and realizing these ideas into prototypes and commercialize products.

The institution has created an eco-system for innovations and incubation activities by setting up a YCCE TBI Foundation, a section eight registered company for technology business incubation. The college has received funding of Rs. 30 Lakhs from the Ministry of MSME under the scheme to promote innovation, rural industries and entrepreneurship with equal contribution of the institute. The fabrication laboratory is

available for incubatee at YCCE TBI Foundation.

At present, total 08 start-ups are incubated at YCCE TBI Foundation. The start-ups are initiated by each technical department to commercialize prominent innovative projects of their respective domain. The college has established institute innovation council (IIC) as per the guidelines provided by MHRD Innovation Cell (MIC) and AICTE. It is constituted with a view to provide platform to the innate creativity in the students. It is a small initiative taken by the institute to develop, innovative ecosystem within campus. The IPR Cell is established to facilitate students and faculty for filing patent and registration of copyright. In the process of conceptualization, solution identification and the realization, the IPR Cell of the institution look into the scope for IP creation. The Institute strongly encourages IP creation and it has laid out a well-defined IP policy for commercializing the IP either through (a) Technology licensing or (b) Incubation through institute's incubation centre. The college provides professional expertise from Khurana & Khurana IP attorney and bears all expenses towards patenting. The institute has developed "Innovative Gallery". Total of 84 innovative projects from all the streams of engineering are displayed, out of which 21 projects-based patents have been filed.

The College has established Fabrication Laboratory to nurture innovative ideas of students and faculties. The laboratory is developed under ASPIRE scheme of MSME. The Fabrication laboratory is 24 X 7 open for students and faculties for project work. The required equipment and tools from different technical streams are made available.

The college works jointly with the medical university DMIMS (DU) Wardha for innovative ideas, internships of college students, Medical theme related UG/PG projects, which are completed under the scheme of semester long internship of YCCE at DMIMS (DU).

The departments are having university approved PhD research centres for carrying out doctoral research work.

Division of Industrial Research & Consultancy looks after Industry related Coordination and collaborations as well as the Consultancy in departments and Joint Research with Industry.

File Description	Document
Upload any additional information	View Document

3.3.2 Number of workshops/seminars conducted on Research methodology, Intellectual Property Rights (IPR), entrepreneurship, skill development during the last five years.

Response: 221

3.3.2.1 Total number of workshops/seminars conducted on Research methodology, Intellectual Property Rights (IPR), entrepreneurship, skill development year-wise during the last five years.

2020-21	2019-20	2018-19	2017-18	2016-17
70	57	42	36	16

File Description	Document
Report of the event	View Document
List of workshops/seminars during last 5 years	View Document

3.4 Research Publications and Awards

<p>3.4.1 The Institution ensures implementation of its stated Code of Ethics for research through the following: 1. Inclusion of research ethics in the research methodology course work 2. Presence of Ethics committee 3. Plagiarism check through software 4. Research Advisory Committee</p> <p>Response: A. All of the above</p>	
File Description	Document
Any additional information	View Document
Link for additional information	View Document

<p>3.4.2 Number of Ph.D's registered per teacher (as per the data given w.r.t recognized Ph.D guides/supervisors provided at 3.2.3 metric) during the last five years</p> <p>Response: 4.98</p>	
<p>3.4.2.1 How many Ph.Ds are registered within last 5 years</p> <p>Response: 309</p>	
<p>3.4.2.2 Number of teachers recognized as guides during the last five years</p> <p>Response: 62</p>	
File Description	Document
List of PhD scholars and their details like name of the guide , title of thesis, year of award etc	View Document
URL to the research page on HEI web site	View Document

<p>3.4.3 Number of research papers per teachers in the Journals notified on UGC website during the last five years</p> <p>Response: 1.56</p>	
<p>3.4.3.1 Number of research papers in the Journals notified on UGC website during the last five years</p>	

2020-21	2019-20	2018-19	2017-18	2016-17
107	148	52	55	44

File Description	Document
List of research papers by title, author, department, name and year of publication	View Document
Any additional information	View Document

3.4.4 Number of books and chapters in edited volumes / books published per teacher during the last five years

Response: 3.7

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

2020-21	2019-20	2018-19	2017-18	2016-17
141	86	199	216	319

File Description	Document
List books and chapters in edited volumes / books published	View Document
Any additional information	View Document

3.4.5 Bibliometrics of the publications during the last five years based on average citation index in Scopus/ Web of Science or PubMed

Response: 3.45

File Description	Document
Bibliometrics of the publications during the last five years	View Document

3.4.6 Bibliometrics of the publications during the last five years based on Scopus/ Web of Science - h-index of the Institution

Response: 20

File Description	Document
Bibliometrics of publications based on Scopus/ Web of Science - h-index of the Institution	View Document

3.5 Consultancy

3.5.1 Revenue generated from consultancy and corporate training during the last five years (INR in Lakhs).

Response: 351.98

3.5.1.1 Total amount generated from consultancy and corporate training year-wise during the last five years (INR in lakhs).

2020-21	2019-20	2018-19	2017-18	2016-17
129.37	142.22	26.32	41.95	12.121

File Description	Document
List of consultants and revenue generated by them	View Document
Audited statements of accounts indicating the revenue generated through consultancy and corporate training	View Document
Any additional information	View Document

3.5.2 Total amount spent on developing facilities, training teachers and staff for undertaking consultancy during the last five years (INR in Lakhs).

Response: 172.41

3.5.2.1 Total amount spent on developing facilities, training teachers and staff for undertaking consultancy during the last five years (INR in Lakhs)

2020-21	2019-20	2018-19	2017-18	2016-17
119.47	0.14	13.40	23.512	15.89

File Description	Document
List of training programmes, teachers and staff trained for undertaking consultancy	View Document
List of facilities and staff available for undertaking consultancy	View Document
Audited statements of accounts indicating the expenditure incurred on developing facilities and training teachers and staff for undertaking consultancy	View Document

3.6 Extension Activities

3.6.1 Extension activities are carried out in the neighbourhood community, sensitising students to social issues, for their holistic development, and impact thereof during the last five years

Response:

Human mind is the fundamental resource for nation development. Hence, the institute has taken a significant stride in community development, aiming to inculcate the core values like- truth and righteousness among the learners through various extension activities. In each of us there's an imperative hope for a better nation and this hope is been channelized through the extension activities for making students sensitive and realizing their roles towards society.

Students and faculties are encouraged to participate in NSS extension activities. Social Service activities are well planned and sponsored by the college. Various activities are conducted like-antismoking campaigns, I vote for better India campaign, traffic rules awareness program in collaboration with RTO, Nagpur and Jan Aakrosh -an NGO. Other major initiatives are as follow :

1. Unnat Bharat Abhiyaan (UBA): The institution is an active member of UBA of Government of India. Five villages in Hingna Tehsil, are adopted under this scheme.

a. Degma (Khurd), b. Wanadongri, c. Raipur, d. Sukli, e. Degma (Budruk). In coordination with Village Panchayat many activities are organized. With technical knowledge other community services like donation drives, cleanliness drives, health and other awareness camps, training workshops are frequently conducted.

2. Tree Plantation: It is an initiative of the institution towards green environment to inculcate the human values in the students. On an average around 25-30 trees are planted per year.

3. Blood Donation Camps: Every year Approximately 6 -7 camps are organized in collaboration with 4 different renowned blood banks in the city. Around 550 students and faculty members voluntarily donate the blood and motivate others for the noble cause.

4. Swachhta Abhiyaan: The students involved in the National Service Scheme (NSS) of RTM Nagpur University, take this initiative of cleanliness drive for the campus and the area in vicinity, under the

'Swachhta Abhiyaan' scheme of Government of India. This inculcates the habit of cleanliness in the students which helps the institution and the society to maintain the hygiene and clean environment.

5. Nirmalya Sankalan: This is an important extension activity carried out by the students of the institution since last 6 years. This activity is normally carried out in collaboration with Nagpur Municipal Corporation, Hingna Tehsil office and NGOs like Rotary club. The students request the people not to throw the 'Nirmalya' in the river or the lake and guide them to dispose it in the nirmalya tanks provided by the municipal corporation. The students develop the tradition of polite and humble interaction with the people through this activity.

6. The Computer awareness: This is created by providing the facilities through 'On wheel Computer Center' to the young boys and girls in the nearby villages.

7. Helping the flood affected people: Students organized a cloth drive, which was distributed to the flood affected people. They also distributed food to the needy.

The quality is never an accident but is always a result of the determined efforts, the extension activities have induced the sensitivity and warmth in students towards the social issues and responsibilities.

File Description	Document
Upload Any additional information	View Document
Paste link for additional information	View Document

3.6.2 Number of awards and recognition received by the Institution, its teachers and students for extension activities from Government / Government recognised bodies during last five years

Response: 20

3.6.2.1 Total number of awards and recognition received for extension activities from Government/ Government recognised bodies year-wise during the last five years.

2020-21	2019-20	2018-19	2017-18	2016-17
05	03	05	04	03

File Description	Document
Number of awards for extension activities in last 5 year	View Document
e-copy of the award letters	View Document

3.6.3 Number of extension and outreach programs conducted by the institution through NSS/NCC,

Government and Government recognised bodies during the last five years**Response:** 130**3.6.3.1 Number of extension and outreach programs conducted by the institution through NSS/NCC, Government and Government recognised bodies during the last five years**

2020-21	2019-20	2018-19	2017-18	2016-17
30	21	23	30	26

File Description	Document
Reports of the event organized	View Document
Number of extension and outreach Programmes conducted with industry, community etc for the last five years	View Document

3.6.4 Average percentage of students participating in extension activities listed at 3.6.3 above during the last five years**Response:** 41.03**3.6.4.1 Total number of students participating in extension activities listed at 3.6.3 above year-wise during the last five years.**

2020-21	2019-20	2018-19	2017-18	2016-17
3050	3148	2868	640	00

File Description	Document
Reports of the event	View Document
Average percentage of students participating in extension activities with Govt or NGO etc	View Document

3.7 Collaboration**3.7.1 Number of Collaborative activities per year for research/ faculty exchange/ student exchange/ internship/ on –the-job training/ project work****Response:** 282.6

3.7.1.1 Total number of Collaborative activities per year for research/ faculty exchange/ student exchange/ internship/ on –the-job training/ project work

2020-21	2019-20	2018-19	2017-18	2016-17
360	337	284	186	246

File Description	Document
Number of Collaborative activities for research, faculty etc	View Document
Copies of collaboration	View Document

3.7.2 Number of functional MoUs with institutions of national, international importance, other institutions, industries, corporate houses etc. during the last five years (only functional MoUs with ongoing activities to be considered)**Response:** 117**3.7.2.1 Number of functional MoUs with institutions of national, international importance, other Institutions, industries, corporate houses etc. year wise during last five years**

2020-21	2019-20	2018-19	2017-18	2016-17
56	15	30	12	04

File Description	Document
e-copies of the MoUs with institution/ industry/ corporate house	View Document
Details of functional MoUs with institutions of national, international importance, other Institutions etc during the last five years	View Document

Criterion 4 - Infrastructure and Learning Resources

4.1 Physical Facilities

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

Response:

The institute is constantly infusing adequate capital to support teaching learning process. Investment of fresh capital is for state of the art infrastructures like smart class rooms, conference halls, startup ecosystem, modern laboratories, library resources.

As per the norms prescribed by regulatory bodies, the Institution has adequate facilities for teaching-learning. To keep pace with growing demands of engineering education, the college has significantly enhanced the infrastructure. The institution has excellent infrastructural facilities spread over 14 Acres against the required 7.5 Acres with a total Carpet Area of 37750.45 Sqm. and a built-up area of 41527.49 Sqm. The deficiency report against infrastructure is NIL. The infrastructure comprises of Administrative Building, Departments Buildings, Controller of Examinations office, State of the Art laboratories, Centers of excellence, Incubation Center, Central Computing Center, Innovation Gallery, well-furnished classrooms, Auditorium, Conference Halls, Library, Canteen, Hostel, Gym, Student Support Centre, Power supply systems, Water supply etc.

Each department consists infrastructure as per the AICTE requirements. Virtual lab facility of IIT Bombay also is available. The details of T-L physical facilities are:

Number of Class Rooms:80

Number of Laboratories : 100

Number of Seminar Halls: 06

Number of Workshops: 03

Number of Computer Centers: 03

Number of Language Labs: 03

Number of Auditoriums: 02

The college library is completely digitalized automated system, consisting 32994 titles, with 101520 volumes with a total cumulative investment of Rs.3,33,87,764/-. A digital library with 44 computers is available for online access of teaching learning material. The library has a subscription of IEEE digital library. It subscribes 179 national journals and 2952 international journals. Specialized services like Reprography, Inter Library Loan Service, OPAC, In- house/remote access to e-resources, INFLIBNET/IUC facilities are provided.

The Institute emphasizes on the use of standard tools and open source as well as proprietary software's. An

adequate computing and learning resource facilities as per the requirements of statutory bodies. The computers available on campus are 2421 of which 1600 are for the student usage and others are used for the faculty members and administrative purpose. 2:1 Student Computer Ratio is being maintained in the institute. 50 laptops, 160 printers, and 30 scanners are available for academic purpose. The network is established in the entire campus; the connectivity between the core switch to the access switch is through multimode fibre optic backbone. Campus intranet has paved way to provide seamless access to e-journals, online lecture streaming and application software. Entire campus is Wi-Fi enabled with the help of 25 indoor and 5 outdoor high end controller base CISCO access points. The internet connectivity with 1 GBPS leased lines is available throughout the campus. The website provides access to official information of the college.

A 700 KVA transformer and 650 KWP Solar is installed for continuous power supply and the solar panels are installed to satisfy maximum energy requirements of institution.

The college ensures 24 hours security through security guards and surveillance cameras.

File Description	Document
Paste link for additional information	View Document

4.1.2 The institution has adequate facilities for cultural activities, yoga, games and sports (indoor & outdoor); (gymnasium, yoga centre, auditorium, etc.,)

Response:

The institute leaves no stone unturned to ensure the holistic development of the learners apart from the academic excellence. The institute believes in developing the personalities of the learners which will give positive vibes to the society. With intellectual quotient, the institute pays equal attention to spiritual quotient of the learners. The cultural and sports initiatives are the chief practices of the institute. Adequate investment is done for the development of sports infra, cultural events and yoga practices which are the pioneering USPs of the institute.

The institute encourages cultural and sports activities that stimulate growth, development and retention of students in a contemporary and safe environment, enhancing fitness and wellness, social interaction and leadership opportunities. The Department of Physical Education and Sports provide a broad spectrum of sports, recreation, and leisure activities for students, staff and faculty. The college offers multiple facilities on campus to cater to the physical development of students. The Institute has made a name for itself in several sports and cultural activities by winning a number of awards/medals for outstanding performance in sports/cultural activities at national/international level in indoor and outdoor activities i.e., Badminton, Basketball, Chess, Cricket, Football, Swimming, Table Tennis, Volleyball etc. and the cultural activities- Dance, Music, Theatre, Fine Arts & Literature. The college felicitates outstanding achievers with cash prizes and certificates.

The institution has well equipped auditorium with 850 seating capacity to organize cultural activities, Seminars, Professional/Invited Talks, Awareness programs etc. In addition to this a well-equipped small auditorium with 150 seating capacity is available to organize small events/functions.

A well-equipped playground about 3.5 acres, for outdoor games like Athletics, Cricket, Football, Hockey, Kabaddi, Kho-Kho. Separate Volley ball, Basket-ball courts is available. Facility for indoor games like Table Tennis, Chess, Carrom. is facilitated in campus. Students win medals and awards in national/international tournament. Well-equipped Gymnasium with trainer for training both the students and faculty is in the campus. The college also facilitates room for Yoga / Meditation. Every year on June 21st, the International Day of Yoga is conducted where all the students and faculty proactively participate. The students are encouraged to practice and participate in inter-collegiate, inter-university state level and national level competitions. The mega sports event is conducted as a part of YCCE Fest in the institute.

For overall development of Students, clubs like Literary club, Music club, Creative arts club, Dramatics club, Classical dance club, Photography club are established. Students actively practice and participate in extra-curricular activities, participate in National level competitions and won awards and prizes. The college encourages students to participate in cultural activities to enable them to showcase their talent and creativity in various inter-collegiate events. The required training and inputs are provided by the experts. YCCE organizes 'YCCE FEST' an annual cultural event, comprising various cultural and sports activities to groom students talents and organizational skills. This event consists of inter-collegiate competitions. Pursuit of optimal cultural, yoga and sports activities have helped to shape students personality both vertically and horizontally.

File Description	Document
Geotagged pictures	View Document
Paste link for additional information	View Document

4.1.3 Percentage of classrooms and seminar halls with ICT- enabled facilities such as smart class, LMS, etc. (Data for the latest completed academic year)

Response: 100

4.1.3.1 Number of classrooms and seminar halls with ICT facilities

Response: 86

File Description	Document
Institutional data in prescribed format	View Document
Paste link for additional information	View Document

4.1.4 Average percentage of expenditure for infrastructure augmentation excluding salary during the last five years (INR in Lakhs)

Response: 28.16

4.1.4.1 Expenditure for infrastructure augmentation, excluding salary year-wise during last five years (INR in lakhs)

2020-21	2019-20	2018-19	2017-18	2016-17
381.98	573.60	527.88	484.37	859.12

File Description	Document
Upload Details of Expenditure , excluding salary during the last five years	View Document
Upload audited utilization statements	View Document
Link for any additional information	View Document

4.2 Library as a Learning Resource

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

Response:

Library fuels the imagination and inspires us to explore and achieve. The institute has a strong conviction in developing the reading culture among the learners. Institute ensures the readers footfall in library, increasing the cumulative growth in number of readers. The ambience in the library is congenial for reading as well as for conducting transaction. The entire library process functions in a digitalised automated system.

The Central Library of the College is well furnished in accordance with the AICTE norms. It is well-equipped and computerized, rendering services for effective and efficient operational use. Touch screen catalogue is available. The college has a voluminous library which caters to the needs of students, research scholars and faculty. The Library resources have been completely Bar Coded and automated using LIBSYS 7- Integrated Library Package for Transactions and OPAC (Online Public Access of Catalogues) for the users.

- Name of the ILMS software - **Lib Sys**
- Nature of automation (fully or partially) - **Fully**
- Version – **7.0**
- Year of automation – **2000**

* LIBSYS software was acquired in 2000.

* LIBSYS 4 was upgraded to LIBSYS 7 in the year 2015-16.

The library has a collection of total 32994 titles, with 101520 volumes with a total cumulative investment of Rs.3,33,87,764/-. The college has the IEEE digital library subscription to promote research. It subscribes 179 national journals and 2952 international journals. Library also subscribes e-Shodh Sindhu and Shodhganga Membership. Specialized services like Reprography, Inter Library Loan Service, OPAC, In-

house/remote access to e-resources, INFLIBNET/IUC facilities are provided.

Web OPAC (Online Public Access Catalog) facility is made available to know the bibliographical books. One separate node is made available in the Central Library for OPAC facility. User can search the library collection by giving Title, Author, and domain. All the books have been classified, catalogued and arranged on open shelves, Books are systematically arranged subject-wise for easy access and quick retrieval.

Exclusive reference section is available in the library. New arrivals of books and journals are displayed on separate stands and racks. Stock maintenance is done effectively with software. CCTV cameras are installed in the library for strict surveillance.

A digital library with 44 computers is available for online access of teaching learning material. The Digital Library provides On-line access to e-resources on Science and Technology for studies and research. Access to all the on-line library collection, such as the NPTEL lectures of all IITs and IISc have been procured and made available throughout the campus using Intranet for the use of Faculty & Students, Digitized CD ROM information pertains to all the important books, question papers, and e-Journals have also been provided in the same platform. As the access facility toe-journal sismulti-user and IP address-based, it can be accessed from anywhere in the campus. The library cards are issued to faculty and students, which are used for effective management of library. Apart from the central library, a small departmental library is also established in each department.

File Description	Document
Upload any additional information	View Document
Paste Link for additional information	View Document

4.2.2 Institution has access to the following: 1. e-journals 2. e-ShodhSindhu 3. Shodhganga Membership 4. e-books 5. Databases 6. Remote access to e-resources

Response: A. Any 4 or more of the above

File Description	Document
Institutional data in prescribed format	View Document
Details of subscriptions like e-journals, e-books , e-ShodhSindhu, Shodhganga Membership etc	View Document

4.2.3 Average annual expenditure for purchase of books/ e-books and subscription to journals/e-journals during the last five years (INR in Lakhs)

Response: 26.72

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

2020-21	2019-20	2018-19	2017-18	2016-17
17.499	9.44	13.37	31.35	61.92

File Description	Document
Details of annual expenditure for purchase of and subscription to journals/e-journals during the last five years	View Document
Audited statements of accounts	View Document
Any additional information	View Document

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

Response: 12.5

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

Response: 631

File Description	Document
Details of library usage by teachers and students	View Document

4.3 IT Infrastructure

4.3.1 Institution has an IT policy covering wi-fi, cyber security, etc., and allocated budget for updating its IT facilities

Response:

The institute takes meticulous efforts in mitigating the digital divide in the campus. The institute takes all required initiatives for enhancing the digital literacy among the faculty and the learners. The campus facility like - wide internet, Wi-Fi, remote access facility provides uninterrupted access to facilitate all the academic and research pursuits.

The campus wide network has been established in the year 2000 and the Centralized Computer Centre manages procurement and maintenance of computer equipment. The present wired and wireless network infrastructure has been established with priority on reliability, performance and cost efficiency. YCCE IT policy exists to maintain, secure, and ensure legal and appropriate use of Information technology infrastructure. This policy protects the confidentiality and integrity of information.

IT policies is classified as:

1] IT Hardware Installation Policy, 2] Software Installation and Licensing Policy 3] Network (Intranet & Internet including Wi-Fi) Use Policy 4] E-mail Account Use Policy, 5] Web Site Hosting Policy, and 6] Cyber Security

The policy applies to-

- ? Stake holders on campus or off campus
- ? Students: UG, PG, Research
- ? Employees (Permanent/ Temporary/ Contractual)
- ? Administrative Staff (Non-Technical / Technical)
- ? Guests
- ? Vendors

Resources covered under policy are

- ? Network Devices wired / wireless
- ? Internet Access
- ? Official Websites, web applications
- ? Official Email services
- ? Data Storage
- ? Mobile/ Desktop / Laptops / Server computing facility
- ? Documentation facility (Printers/Scanners)
- ? Multimedia Contents

Intranet & Internet services have become the most important resources in educational institutions and the research organizations. Realizing the importance of these services, YCCE established basic network infrastructure in 2000 and have timely upgraded as per the requirements. The web of 2421 network connections, are available in campus. At present, the institute has sufficient number of computers in laboratories to meet the requirements of curriculum and content beyond the curriculum. The configuration of computers is upgraded to i3 and i5 configuration to meet the technological advancements. Computer labs are well equipped with the latest system and application software.

The institute is very keen on upgrading internet bandwidth from time to time. Currently, internet bandwidth is 1 GMbps (leased line) to provide fast internet access. Wi-Fi facility is provided throughout the campus through 30 access points.

Sonic Firewall is installed to prevent illegal access to the internet. DHCP, DNS, Email, web and application servers are used for managing the network operations. The computer systems are protected from virus and worm attacks using antivirus software. Bio-metric attendance system has been effectively implemented in the institution for college staff. The campus is 24x7 CCTV surveillance. Budget provisions are made for upgradation, deployment and maintenance of IT infrastructure. The Central Computing Center has qualified technical support staff for effective maintenance.

The Classrooms, seminar/conference halls, Auditoriums are equipped with LCD Projectors with all accessories. The institute faculty members have been using Impartus and Google Class Room platforms with an in-built recording facility.

File Description	Document
Paste link for additional information	View Document

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

Response: 3:1

File Description	Document
Upload any additional information	View Document
Student - computer ratio	View Document

4.3.3 Bandwidth of internet connection in the Institution.

Response: 750 MBPS

File Description	Document
Details of available bandwidth of internet connection in the Institution	View Document

4.3.4 Institution has the following Facilities for e-content development

1. Media centre
2. Audio visual centre
3. Lecture Capturing System(LCS)
4. Mixing equipments and softwares for editing

Response: A. All of the above

File Description	Document
Institutional data in prescribed format	View Document
Link for Additional information	View Document

4.4 Maintenance of Campus Infrastructure

4.4.1 Average percentage expenditure incurred on maintenance of physical facilities and academic support facilities excluding salary component during the last five years

Response: 43.49

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

2020-21	2019-20	2018-19	2017-18	2016-17
708.02	943.68	811.55	849.60	953.27

File Description	Document
Details about assigned budget and expenditure on physical facilities and academic facilities	View Document
Audited statements of accounts	View Document

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

Response:

The institute has robust system to maintain the assets. It has well equipped, competent and skilled maintenances staff, ensuring every utility functional. Annual maintenance contracts (AMC) are established with the vendors and are renewed regularly. Standard Operating Procedures are followed for maintaining and utilizing physical, academic and support facilities.

Laboratories:

All labs are used as per time table during the college hours and even after the college hours. Lab Attendance register, stock register, Invoice files and purchase bills are maintained. The entry register is maintained to ensure the effective utilization of Equipment's. Lab Assistants and support faculties are responsible for maintaining lab equipment. All Major/advanced equipment's are maintained by AMC.

Library:

Library updates its books repository on a yearly basis as per the changes in the curricula. Inputs from the student and faculty are collected. Library committee discusses and approves the procurement of the same. A suggestion box is provided to collect suggestions from users to enrich the library resources.

'No dues' clearance from the library is made mandatory for the students before the exam. Entry register for visitors is maintained.

Sports Facility:

The gym and other equipment servicing are taken up under the supervision of the physical director. The Physical Director maintains the sports facilities. The stock Register and Issue Register are maintained to ensure the proper handling of the sports equipment. Stock verification of sports equipment is carried out at the commencement of each semester. The playgrounds are maintained, supervised and upgraded.

Computers and IT facilities:

The academic requirements of computers are taken care. Stipulated procedures are documented and executed for the maintenance of the systems.

System Analyst and team maintain IT facilities in the campus. They address issues; hardware trouble shooting, software installation/update, maintain biometric devices, ICT facilities, printers, website maintenance, and network-related issues. Lab assistants under the supervision of system analyst, maintain computers and IT accessories.

Class Rooms:

Before the commencement of each semester the classrooms and ICT facilities are verified and upgraded. These amenities are maintained periodically to uphold effective teaching-learning practice.

Electrical Maintenance:

To supervise the electrical maintenance of the campus electrical maintenance team is available. They maintain electrical equipment's and ensure uninterrupted power supply. Generators have been installed for backup power supply.

Maintenance of other Infrastructural facilities:

Administrative Officer oversees the maintenance of infrastructure. Dedicated supporting staffs is available for maintenance. The sustained efforts taken by one and all enables substantial improvement of college ambience.

Water coolers are installed for safe drinking water and the quality is tested every three months. The fire extinguishers are refilled and kept in a serviceable condition. The parking facilities are available within the campus. House-keeping and security services on campus is outsourced.

Process for Repair/replacement Complaints:

1. Dully Filled Complaint Form is forwarded to Maintenance Department. The concerned inspect the

- site and depute a technical/suitable person for maintenance.
2. If in-house repair is not possible then the work is outsourced.
 3. The resolved complaint will be closed with the signature of the person logging the complaint.

File Description	Document
Paste link for additional information	View Document

NAAC

Criterion 5 - Student Support and Progression

5.1 Student Support

5.1.1 Average percentage of students benefited by scholarships and freeships provided by the Government during last five years

Response: 58.45

5.1.1.1 Number of students benefited by scholarships and free ships provided by the institution, Government and non-government bodies, industries, individuals, philanthropists during the last five years (other than students receiving scholarships under the government schemes for reserved categories)

2020-21	2019-20	2018-19	2017-18	2016-17
3062	2707	2722	2800	2808

File Description	Document
upload self attested letter with the list of students sanctioned scholarships	View Document
Institutional data in prescribed format	View Document
Average percentage of students benefited by scholarships and freeships provided by the Government during the last five years	View Document

5.1.2 Average percentage of students benefited by scholarships, freeships, etc. provided by the institution and non-government agencies during the last five years

Response: 39.77

5.1.2.1 Number of students benefited by scholarships and free ships provided by the institution, Government and non-government bodies, industries, individuals, philanthropists during the last five years (other than students receiving scholarships under the government schemes for reserved categories)

2020-21	2019-20	2018-19	2017-18	2016-17
1777	2228	2174	2102	1262

File Description	Document
Upload any additional information	View Document
Number of students benefited by scholarships and freships besides government schemes in last 5 years	View Document
Institutional data in prescribed format	View Document

5.1.3 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. Awareness of trends in technology

Response: A. All of the above

File Description	Document
Details of capability enhancement and development schemes	View Document
Link to Institutional website	View Document

5.1.4 Average percentage of students benefited by career counseling and guidance for competitive examinations as offered by the Institution during the last five years.

Response: 18.27

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

2020-21	2019-20	2018-19	2017-18	2016-17
924	917	906	824	829

File Description	Document
Number of students benefited by guidance for competitive examinations and career counselling during the last five years	View Document
Any additional information	View Document

5.1.5 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
Upload any additional information	View Document
Minutes of the meetings of student redressal committee, prevention of sexual harassment committee and Anti Ragging committee	View Document
Details of student grievances including sexual harassment and ragging cases	View Document

5.2 Student Progression**5.2.1 Average percentage of placement of outgoing students during the last five years****Response:** 16.68**5.2.1.1 Number of outgoing students placed year - wise during the last five years.**

2020-21	2019-20	2018-19	2017-18	2016-17
847	835	806	753	777

File Description	Document
Upload any additional information	View Document
Self attested list of students placed	View Document
Details of student placement during the last five years	View Document

5.2.2 Percentage of student progression to higher education (previous graduating batch).**Response:** 1.54**5.2.2.1 Number of outgoing student progressing to higher education.**

Response: 74

File Description	Document
Upload supporting data for student/alumni	View Document
Details of student progression to higher education	View Document

5.2.3 Average percentage of students qualifying in state/national/ international level examinations during the last five years (eg: IIT-JAM/CLAT/ NET/SLET/GATE/ GMAT/CAT/GRE/ TOEFL/ Civil Services/State government examinations, etc.)

Response: 63.22

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

2020-21	2019-20	2018-19	2017-18	2016-17
100	86	92	70	98

5.2.3.2 Number of students appearing in state/ national/ international level examinations (eg: IIT/JAM/ NET / SLET/ GATE/ GMAT/CAT,GRE/ TOEFL/ Civil Services/ State government examinations) year-wise during last five years

2020-21	2019-20	2018-19	2017-18	2016-17
134	115	139	134	203

File Description

Document

Upload supporting data for student/alumni

[View Document](#)

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

[View Document](#)

5.3 Student Participation and Activities

5.3.1 Number of awards/medals won by students for outstanding performance in sports/cultural activities at inter-university/state/national / international level (award for a team event should be counted as one) during the last five years.

Response: 49

5.3.1.1 Number of awards/medals won by students for outstanding performance in sports / cultural activities at inter-university / state / national / international events (award for a team event should be counted as one) year - wise during the last five years.

2020-21	2019-20	2018-19	2017-18	2016-17
03	16	10	11	9

File Description	Document
Number of awards/medals for outstanding performance in sports/ cultural activities at inter-university / state / national / international level during the last five years	View Document
e-copies of award letters and certificates	View Document

5.3.2 Presence of an active Student Council & representation of students on academic & administrative bodies/committees of the institution

Response:

The institute believes in democratic and participative model of administration. Hence, student welfare and the student councils are the important building blocks of the institute. It ensures the students participation in the decision-making process.

Such plat forms helps in building confidence, leadership, and decision-making. The students clubs helps to pursue their hobbies. The students are office bearers in various professional society chapters like IEEE, IETE, ISTE, CSI, ACM, IEI, SAE, ASME etc.

The aim of student council is to develop various skills and values. The Council consist of General Secretary (Gathering), General Secretary (Gymkhana), Other Secretaries, core members and other members. Annual Social Gathering – YASH, Independence Day Celebration, Republic Day Celebration, National Youth Day Celebration, Women’s Day Celebration, Indian Air Force Day Celebration, Sports Week, participation in various inter institutional sports and cultural activities etc. are some of the activities managed and organized by this council. The General Secretary (Gymkhana) is the institute representative in the university student council.

Every department is having department student forum and Professional Society Chapter. The technical events are organized with financial support provided by the institute and the sponsors.

The student representation are in following committees:

Internal Quality Assurance Cell (IQAC)

The overall institute topper of the third year is a member of IQAC. The Student member propagates

institute quality policies among the student fraternity helping them to take quality policy decision.

Department Quality Assurance Cell (DQAC):

The department third year topper represents students in DQAC. Student representatives

participate in framing academic plans, conducting value added courses, add-on programs, and curricular & extracurricular activities.

Anti- Ragging Committee:

Student members assist the institute in implementing rigid anti-ragging measures to make campus ragging free.

Library Committee:

Students from UG and PG are the members and give suggestions for improvement of library functioning, requirements of books, journal, e-resources etc.

Student Grievance Redressal Committee:

It involves student representatives for resolving issues and grievances of students.

Internal Complaint Committee (ICC):

The student representative from UG, PG and Doctoral Programmes in ICC committee helps to sustain a healthy and congenial atmosphere here for female students and staff.

Hostel Committee:

They look into the food quality, hygiene and other facilities and monitor day to day activities and bring them to the notice of the warden.

YCCE Fest Organizing Committee:

The annual fest "YASH" is organized and executed by the Student members of all professional societies

and clubs actively participate in hosting this event a grand success.

Editorial Board, College Magazine:

The Editorial Board consists of student representatives, giving an exposure to student talents through story writing, poems, articles and fine arts.

Editorial Board, Department Magazines and News Letters:

The technical newsletter and department magazine is compiled and printed by the student representative.

In addition to the above committees, student representatives are in the Hostel and Canteen Committee to ensure its effective functioning and addressing issues if any. The student in Discipline Committee ensures a peaceful academic environment. The students in various committees significantly lead to the holistic development.

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

5.3.3 Average number of sports and cultural events / competitions organised by the institution per year

Response: 38.2

5.3.3.1 Number of sports and cultural events / competitions organised by the institution year - wise during the last five years.

2020-21	2019-20	2018-19	2017-18	2016-17
56	46	32	36	21

File Description	Document
Report of the event	View Document
Number of sports and cultural events / competitions organised per year	View Document

5.4 Alumni Engagement

5.4.1 The Alumni Association / Chapters (registered and functional) contributes significantly to the development of the institution through financial and other support services.

Response:

The institute has rich forte of alumni, who are the brand ambassadors of the institute. The relationship between the institute and the alumni have flourished through times with profound Alimni association. The institute ropes in alumni through various strategic initiatives such as developmental projects, placements, expert talks, mentoring, guidance, start-up initiatives to name a few. Alumni of the institute have indomitable faith in their alma mater which is our success factor.

Alumni Association ,“Yeshwantrao Chavan Abhyantriki Mahavidyalaya Alumni Association”, Nagpur is a registered body consisting of a Coordination Committee, Executive Committee and student Coordination Committee to engage, execute and boost various activities of the Association. The Alumni association works to strengthen the camaraderie and network among the alumni, faculty and the management. Around 7500 alumni are the registered members of this association. The alumni association of the institute is the conglomeration of leaders, entrepreneurs, social entrepreneurs, professionals and bureaucrats catering to the society in various designations. The objectives of Alumni Association is to reinforce the sense of belongingness towards the alma mater and the spirit of fraternity among alumni by providing a common platform for social and intellectual interaction; and establishing channels for effective communication.

Alumni meets aim for building the rapport and connect with the students passing out form the institute. To nurture and sustain old bonding, Alumni association organizes alumni meets to reunite with their classmates, faculty members, and management, revitalize their memories and share professional experiences with the prospective graduates.

The institution gives high regard to the suggestions of alumni and utilizes their services for the development of the institution in all the possible ways. The institution has included alumni in academic and administrative bodies such as Internal Quality Assurance Cell, Board of Studies, etc. Alumni are invited to participate in curriculum development workshops of the respective departments. The activities by alumni like Guest Lectures, arranging industry visit or training for the students and staff.

Alumni play a significant role:

Students on campus are benefited through alumni interactions in the areas:

facilitating internship, trainings, industrial visits, final year major projects development, skill development, invited talks on recent trends, career guidance assistance for higher studies, assistance for placement guidance,campus interviews, curriculum design and review, extend the network of professional contacts, promotion of the institute’s reputation in society, important role in industry institute interactions and bridging the gap between industry and institute and get the real insight into the growth of the institution.

Apart from formal alumni meets, the institute also engages the alumni support in many ways such as seeking their suggestions, feedback on existing curriculum, updates on emerging trends, etc. through various networking platforms like LinkedIn, Face book, Twitter, WhatsApp, etc.

Alumni contributed financial assistance of Rs. 3, 46, 65,000/- to the institute in the last five years. The Alumni association helps in building a network of alumni and helps institute understand the needs of the society, industries and the corporate world.

File Available for upload: Paste link for Alumni Portal, additional Information

File Description	Document
Any additional information	View Document
Link for additional information	View Document

5.4.2 Alumni financial contribution during the last five years (in INR).

Response: A. ? 15 Lakhs

File Description	Document
Any additional information	View Document

Criterion 6 - Governance, Leadership and Management

6.1 Institutional Vision and Leadership

6.1.1 The governance of the institution is reflective of an effective leadership in tune with the vision and mission of the Institution

Response:

The leadership cadre of the institute consists of visionaries who are highly proactive and agile for the overall development of the institute. The leadership adopts the practice of corporate governance and having unfathomable belief in quality initiatives. In tune with the vision and mission of the institute the leadership cadre takes all strategic decisions and initiatives which go a long way in furtherance of the lofty ideals and goals. Academic and over all welfare of learners and faculty members are upper most in the minds of leadership cadre.

The Academic Advisory Board consist of eminent academicians provide guidance for effective implementation of autonomy. The Institute's focus and core ideology is reflected in its Vision, Mission, and Quality Policy.

Vision Statement:

“To become the most preferred institution providing innovative, research and value based, professional education for the society at large”.

We YCCEian's believe in providing a quality technical education coupled with strong fundamentals along with practical perspectives and global standards through which students would excel in their respective fields. We also empower students to perform better at their workplace and become a better citizen.

Mission Statement:

YCCE is committed to

- Attract best talent and create learning ambience
- Practice Innovative teaching-learning & research
- Integrate Industry-Institute Collaborations
- Nurture students towards holistic development and choicest career

The mission is tuning the policies and objectives of education by maintaining academics with global standards and ethics. The institution recruits qualified and experienced faculty to make the students globally competent and locally relevant. Training and Placement Cell strives for placements in reputed MNCs. Institute organize conference every year to enrich and promote research activities. The departments have state of the art laboratories for enhancing Engineering and Research skills. The curriculum and mode of training are in tune with the needs of the students and current technologies. Humanistic values in

education are upheld in the classroom and college activities.

Governance of the institution:

The Governance and Leadership of the Institution ensures that its operations are functioning well by nurturing the decentralization and participative decision-making. The governing body provides guidelines to maintain high standards in imparting education by setting objectives relevant to policy, hiring quality professionals, rewarding the achievers, provide

infrastructure, facilities and encouraging the best utilization of the resources. Principal along with overall administration motivates faculty, supporting staff and students to maintain a competitive and conducive academic environment.

Institute perspective planning is based on imparting quality education and all round development. Accordingly, decision-making and quality planning process are articulated, in view of Vision and Mission of the institution. The academic activities are planned, implemented and monitored at different levels of administrations and the management with necessary support.

The implementation of the functionalities is ensured in decentralized manner at various levels; through Deans, HoD's, Controller of Exams., Registrar, and team. Teacher's and stake holders play an important role in decision-making at various levels. Principal subsequently drives the resulting policy, strategy, resource allocation, and operations through the Governing Body. Institute contributes to sustainable socioeconomic development through globally competitive competence.

File Description	Document
Any additional information	View Document
Link for additional information	View Document

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

Response:

The leadership of the institute believes in delegation of responsibility and authority. Decentralization is the core governing philosophy of the institute. Brainstorming, empowerment, freedom for decisions and actions, accountability and corporate governance are some of our core values.

The stakeholders are involved in decision making process. Two senior faculty members are invited to the BoM meetings and their views are duly considered. The relevant information of BoM, Academic Council and Board of Studies is shared with the employees through various meetings/circulars. Budgetary

provisions for the departments are prepared based on the requirements provided by the HoD. The Institution also publishes audited financial statements on its website.

The HOD's are members of the Academic Council. The institute has in place several committees to continuously monitor/guide the academic and administrative activities. The committees comprise of key stakeholders including government, administrators, faculty, staff, industry, employer, alumni, parent and students.

The budget proposal for equipment purchase is submitted to the Principal by the HoDs, for the Management approval. The approved budget is communicated to all heads and in-charges.

The Institution practices decentralized governance culture with senior faculty members occupying administrative positions and committees. Institute delegates adequate authority to the departments to arrange various activities. The management has extended enough financial powers to Principal and HoD's.

The Management has brought out a service rules handbook to ensure transparency and guide the staff to discharge their responsibilities with ease and efficiency. The book provides policies, procedures, rules, benefits and other service matters. The Management has an advanced planning for senior leadership positions at all level with the policy of rotation of functional heads with an aim to induct and groom the next in line to lead.

A Case study: Conference Budget Proposal, Approval and Allocation

YCCE organizes national conference with an aim to provide a platform for researchers, scientists, technocrats, academicians and engineers to exchange their innovative ideas in the field of Engineering. The conference provides an excellent platform for the budding engineers to showcase their innovative talent through paper presentation and posters and get an opportunity to interact with the academicians and students from various colleges. Every year the responsibility of organize the conference is given to different engineering departments on round robin basis.

Budget planning for the conference starts 4-5 month before by the organizing committee of the conference. The Department Head and the various committee in-charges plan the budget for the forthcoming conference. The budget proposal includes the expenses likely to be incurred for various activities like brochures design and printing, website development, publicity, Expert talks, kits, hospitality arrangements etc. The conference in-charges coordinate with all other teaching and non-teaching staff involved in the different committees. The committee in-charges come up with a budget proposal of their requirements. The final budget proposal is prepared and submitted to the head of the institute. The management approves the budget. After the completion of conference the final budget report of incurred expenses, supported with the bills, is submitted by the organizing committee.

File Description	Document
Link for strategic plan and deployment documents on the website	View Document

6.2 Strategy Development and Deployment

6.2.1 The institutional Strategic / Perspective plan is effectively deployed

Response:

Strategic Plan

The college has distinguished itself among the top engineering institutions for its commitment to reaching beyond the boundaries of traditional disciplines in pursuit of innovation and solutions to real-world problems. Our strategic plan honours and expands upon the core strength, aligning the employees, processes, and priorities around the vision, values and goals of the institute. The plan is deployed through regular plan of actions, day-to-day-activities, resource-allocation and involving all stakeholders at various levels. Performance, quality indexes measured at times provides clarity in achieving strategic-plan. Institution Strategic plan formulated following 07 goals:

- Goal 1: Academic Excellence
- Goal 2: Research
- Goal 3: Quality assurance
- Goal 4: Infrastructure development
- Goal 5: Revenue generation
- Goal 6: Continuing education
- Goal 7: Services to community

Goal 3: Quality Assurance: Sub Goal: 3.1 Quality Assurance in Academic processes with a purpose to maintain the academic standards in its academic programs and the graduates of the institution shall have the professional opportunities in the country and abroad.

Targeted Activities Successfully Implemented:

- Annual Academic audits for every teaching department
- Annual Workload Plan for Teachers
- NBA/NAAC Accreditation
- Ranking by various governmental and other agencies

- Students' feedback

Department Level Assessment (DLA) Department Level Assessment (DLA) is one of the Quality Assurance Initiatives of the institute. The main objective of DLA Assessment is to ensure the continuous improvement in the academic processes adopted by the institute and implemented as per the requirements of outcome-based education. The annual DLA audit is conducted to ensure the preparedness of the institute for the accrediting & ranking agencies requirements.

Annual Workload (AWL) Plan for Teachers: The objective of the AWL plan is to ensure continuous improvement in the academic processes of institute and ensure the contribution of faculty members in quality assurance requirements.

The AWL SOP includes

- assigning the key responsibility areas (KRA's) to the functional heads,
- Guidelines to the departments for target allotment based on the strength of the departments
- Faculty allotment target sheet to assign the targets to faculty. The targets are assigned as per the cadre and some are mandatory targets.

As a result of well-planned implementation of activities the institute's performance in the accreditation and ranking is improved in the last five years. The outcomes are clearly visible in terms of improved quality and number of faculty publications, submission of funding proposals, revenue generated through consultancy, numbers of patents and copyrights published, industry based students projects, 95% faculty are members of professional societies, teachers practices innovative methods of teaching, generated no. of self-learning material.

The successful implementation resulted in NBA accreditation of programmes; 06 UG Programmes are accredited for 3 years and got extension of accreditation for three more years, 03 PG Programmes are accredited for two years and granted two times further extension of accreditation by one year. YCCE receives consistent NIRF ranking since 2016 with 93rd rank in 2016 and have secured the rank in the range of 101 to 150 in the year 2017-2020 and accreditation with "A" grade by NAAC for Cycle First.

File Description	Document
Link for Strategic Plan and deployment documents on the website	View Document

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

Response:

For effective coordination of day to day academic activities, administrative functions, planning, and to disseminate decision making powers authorities have created different Functional Heads. The statutory

academic bodies, Board of Studies and Academic Council formulate and implement academic policies of the college. The academic and administrative setups perfectly coordinate and disseminate power to academic peers at different levels.

- The Board of Management is the apex decision making body of the Institute
- The Academic advisory board provides necessary guidance for strengthening the academic process of the institute
- The principal of the institute looks after day to day administration
- The quality activities are planned and implemented by Dean Planning and Development
- All the academic activities are coordinated and steered by Dean Academics Matters.
- Examination activities are executed by examination cell headed by the CoE
- Research activities are coordinated by Dean (R&D)
- Dean (T &P) Plans and executes student's campus placement assisted by T&P officer
- Dean (Student Activities) coordinates various alumni activities.
- AO plans, monitor and execute maintenance activities
- HoD's and Registrar help Principal in the routine administration work

Service rules, Procedures, Recruitment and Promotional Policies:

The Institute has a set of well-established policies, service rules, and regulations and standard operating procedures within the frame work of AICTE, State Govt. and the affiliating university, and approved by the Board of Management. The HR manual, service rules and academic regulations, code of conduct and policies of the institute are widely published for the awareness of all the concerned stakeholders. The policies are revised periodically as and when required as per the guidelines of the statutory bodies and affiliating university.

The appointments of teaching faculty & non-teaching and technical staff are done as per the guidelines of statutory bodies and affiliating university. The promotions are given to all the eligible candidates as prescribed by the statutory bodies. Internal promotion scheme is implemented by the management for the eligible teaching and non-teaching staff.

The functional aspects are provided in Academic Regulations, Examination Manual, Research Policies, Consultancy Policy, SOP for General Maintenance, SOP for Stock Verification, IT Policy, Anti-Ragging Policy, Hostel rules and regulations, Staff Welfare Policy etc. are available for all the concerned.

Grievance Redressal Mechanism:

The Grievance Redressal Mechanism is established with an aim to provide readily accessible procedure for prompt disposal of the day to day grievances of the student and faculty in accordance with the AICTE/University Grants Commission regulations. The Internal Complaint Committee, Anti-Ragging Committess are constituted as per the guidelines of statutory bodies. The regular meetings are conducted and griveanes are resolved in timely manner. In the last five years no incidence of ragging and sexual harressment is reported.

File Description	Document
Link to Organogram of the Institution webpage	View Document
Link for additional information	View Document

6.2.3 Implementation of e-governance in areas of operation

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	View Document
Institutional data in prescribed format	View Document
ERP (Enterprise Resource Planning) Document	View Document

6.3 Faculty Empowerment Strategies

6.3.1 The institution has effective welfare measures for teaching and non-teaching staff and avenues for career development/ progression

Response:

The institute has well defined welfare measures for the teaching and non-teaching staff members. The standard operating procedures are well laid down to avail such welfare measures. The human resource is the back bone of the institute and they are well taken care of by the management. Less attrition ratio and high retention ratio of the staff members reflects upon the happiness index of the staff members.

All statutory welfare measures are implemented. Various monetary, non-monetary measures towards personal and professional growth are being followed to the satisfaction of the employees. Few of the welfare measures are listed below:

1. As per the norms of AICTE, 7th Pay commission recommendations are implemented.
2. Employees are covered under EPF and Gratuity.
3. Group Insurance Scheme from inception of the college for regular and permanent teaching and non-teaching staff members.

4. Study, Maternity and Medical leaves are sanctioned for the required staff.
- 5.Registration fees, DA, Travel grants for faculty attending conferences and workshops
6. Financial support for attending/presenting research papers in national and international conference
7. Financial support for Publishing research papers in reputed journals
8. Financial support for Filing Patents, Copyrights and Monographs
9. Children of the staff are rewarded for their best performance in academics.
10. Staff Welfare Fund
11. Concession in tuition fees of the ward of the staff of the college.
12. Medical reimbursement facility is provided.
13. Medical facility with qualified Doctor and nurse are available in the institution.
14. Sports, gym and yoga facilities are provided for staff and students.
15. ATM facility is available in the campus.
- 16.Security & Vigilance on campus
17. Counselling facility
18. Grievance Committee

In order to meet the medical emergency faced by any of its staff members college has insured all teaching and non-teaching staff members under Mediclaim Policy for Rs. 3 lakh per family having tie-up with ICICI Lombard Insurance Company. The entire premium amount to be paid to insure the staff is borne by the college.

Besides these, teaching and non-teaching Staff members are the members of NYSS Employees Credit Cooperative Society. It serves the interest of the staff by offering them loan to the extent of 10 lakhs and emergency loan of Rs.20 thousand.

The college has adopted a system of rotating the post of Deans and Heads every three years. Through this system many faculty members get the opportunity to work at administrative positions. The additional incentives are paid to functional heads for performing the duties. The institute has permitted many faculty members to pursue full time / part time Ph.D. programme.

Non-teaching staff members are given promotions by creating new posts and filling the vacant posts of superannuation non-teaching staff.

File Available for upload:

Health Insurance/ Group Insurance information, NYSS Employees Credit Cooperative Society, concession in fees to the wards, registration fees& on duty leave for faculty, rotation of the post of Deans and Heads,

File Description	Document
Link for additional information	View Document

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

Response: 51.98

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

2020-21	2019-20	2018-19	2017-18	2016-17
31	147	171	166	167

File Description	Document
Institutional data in prescribed format	View Document
Any additional information	View Document
Link for additional information	View Document

6.3.3 Average number of professional development / administrative training Programmes organized by the institution for teaching and non-teaching staff during the last five years.

Response: 37

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

2020-21	2019-20	2018-19	2017-18	2016-17
36	69	22	32	26

File Description	Document
Reports of the Human Resource Development Centres (UGC ASC or other relevant centres).	View Document
Reports of the Human Resource Development Centres (UGC ASC or other relevant centres).	View Document
Reports of Academic Staff College or similar centers	View Document
Reports of Academic Staff College or similar centers	View Document
Institutional data in prescribed format	View Document
Link for additional information	View Document

6.3.4 Average percentage of teachers undergoing online/ face-to-face Faculty Development Programmes (FDP) during the last five years (Professional Development Programmes, Orientation / Induction Programmes, Refresher Course, Short Term Course).

Response: 71.94

6.3.4.1 Total number of teachers attending professional development Programmes, viz., Orientation Programme, Refresher Course, Short Term Course, Faculty Development Programmes year wise during last five years

2020-21	2019-20	2018-19	2017-18	2016-17
199	196	210	207	101

File Description	Document
Reports of the Human Resource Development Centres (UGC ASC or other relevant centers)	View Document
Reports of the Human Resource Development Centres (UGC ASC or other relevant centers)	View Document
IQAC report summary	View Document
Institutional data in prescribed format	View Document
Link for additional information	View Document

6.4 Financial Management and Resource Mobilization

6.4.1 Institution conducts internal and external financial audits regularly

Response:

Financial audit is an integral part of financial discipline and corporate governance of the institute. Due diligence is exercised in all financial matters and financial security of the institute. The standard operating procedures and financial code of conduct are the crucial aspects of financial discipline in the institute.

Financial Planning is exercised well in advance by involving the various Academic Departments and Administrative Sections of the Institute. An effective financial management system helps the institution in overall growth. Financial planning and review is done periodically through statutory - Finance Committee. Flexible financial system gives freedom to spend more than the budget allocated. The Institute has a mechanism for internal and external audit to ensure financial compliance. The accounts are regularly audited and the observation of the auditors rectified. Optimal utilization and execution of the budget is monitored through internal and external auditing.

Internal Audit: It is carried out by college appointed auditors. The accounts of the institute are audited regularly as per the Government rules. The internal auditor checks fee receipts and payments with vouchers and necessary supporting documents and ensures that all payments are duly authorized in financial year.

External Audit: It is carried out by Chartered Accountant Agency "M/S V. K. Surana & Co. and M/S A. A. Solao & Co." in accordance with the auditing standards by the institute of Chartered Accountants of India every year. The external auditor conducts statutory audit at the end of financial year. The external audit has been completed for FY 2020-21. Audit reports for the FY2019-20, 2018-19, 2017-18, 2016-17, are also prepared by the agency.

According to audit report the Balance Sheets, Statements of Income and Expenditure comply with the accounting standards, generally accepted in India. Various accounting policies are followed in finance and accounts including general accounting policies including basic of preparation of financial statements, depreciation accounting policies, revenue recognition, Institutional level accounting policies including annual budgets, accounting of salaries, advance deduction, accounting of non-salary expenditure, accounting of Capital Expenditure, Tuition Fees, Stock /Assets verification, Quarterly Audits, Annual Accounts.

Audited Financial Statement of College is uploaded on website as mandatory disclosure

Monitoring financial management practices is a significant process in the internal audit. Budget and statement of expenses are reviewed every quarter by the Finance Committee. The Audit Report is placed before the governing body for vetting and rectification if any. The qualified remarks by the auditors are taken into consideration for the forthcoming years.

Finance Committee: The Board of Management constituted a Finance Committee to seek advice for the matters related to the finances.

The department budget are based on the requirements provided by the HoD. The Principal submits proposals, seeks approval and ensures its implementation. Annual budget for institute is prepared at the beginning of financial year, considering potential income and expenditures (recurring and non-recurring) involved for the year.

The Institute publishes audited financial report on the college website and sent to the statutory and regulatory bodies.

File Description	Document
Link for additional information	View Document

6.4.2 Funds / Grants received from non-government bodies, individuals, philanthropists during the last five years (not covered in Criterion III and V) (INR in Lakhs)

Response: 871.2

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

2020-21	2019-20	2018-19	2017-18	2016-17
000	396.00	475.20	000	000

File Description	Document
Institutional data in prescribed format	View Document

6.4.3 Institutional strategies for mobilisation of funds and the optimal utilisation of resources

Response:

Institutional strategies for mobilisation of funds and the optimal utilisation of resources

Institutional strategies for mobilisation of funds and the optimal utilisation of resources. Mobilization of funds in the institute is through several ways. The primary source of revenue for the college is the Annual fee collected from the students. The fee is collected as per the fee and the guidelines of, the State fee regulatory authority. The collected fee is deposited into fixed deposits (FD's) and withdrawn periodically as per the requirements of the institute. The fixed deposits are withdrawn and used for the expenditure of the college. The interest earned on these fixed deposits is also being utilized for the needs of the institution.

Mobilization of funds is also done through sponsored projects from DST, FIST, DRDO, AICTE, UGC, Industry sponsored projects by the faculty. Funds are also mobilized through consultancy and philanthropic contribution. The details of mobilization of funds are as shown below.

Strategies for optimal utilization of financial resources:

During the budget preparation all the academic and sectional heads are requested to provide the annual

budget requirements keeping in view the development and up gradation of laboratories, computing facilities, library, teaching-learning process, training, extension

activities, software.

Budget estimations are collected and Budget is prepared. The same is placed before the Finance committee and the committee in turn deliberate and makes necessary changes for a proper balance of receipts and expenditures. The same is submitted to the Board of Management for approval. Budget approvals will be communicated to the departments and sections.

The institution keeps track of the budget. In any unforeseen circumstances, non-budgeted amount is considered and allotted depending on the merit of the case. The necessary budgetary provisions are done with efficient optimal utilization in the institution.

Adequate funds are allocated for effective teaching-learning practices that include conduct of FDPs, orientation programs, workshops, inter disciplinary activities, training programmes that ensure quality education. Adequate remuneration based on the performance-quotient of the teaching professionals is provided. Funds are provided to meet day-to day operational and administrative expenses and maintenance of the fixed assets. Funds are utilized for the purchase of advanced laboratory equipment so as to encourage research interest of the faculty and students. Enhancement of library facilities lead to novel learning practices and accordingly required funds are provided every year. Adequate funds are utilized for development and maintenance of infrastructure at the institute.

File Description	Document
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 visible in terms of – Incremental improvements made for the preceding five years with regard to quality (in case of first cycle) Incremental improvements made for the preceding five years with regard to quality and post accreditation quality initiatives (second and subsequent cycles)

Response:

The IQAC is entrusted with the responsibility of injecting quality norms in administrative and academic processes of the institute. The pivotal role of IQAC is to maintain the quality of education and suggest improvement measures.

IQAC has contributed significantly for ensuring overall qualitative and quantitative growth of the institute through Annual Workload Plan and Department Level Assessment initiatives.

Accreditation, Ranking, and Recognition:

Extension of Autonomy: UGC granted 'Extension of Autonomy' for 6 years (2016-2022).

NBA accreditation: 06 UG and 03 Programs awarded accreditation by NBA and further granted extension valid upto 30 June 2023.

Consistent NIRF ranking: In 2016 first time YCCE received 93rd NIRF rank, In 2017 & 2018 YCCE is ranked between 101 to 150. 134th rank is awarded to YCCE in 2019 and Ranked 139th in 2020. The current year 2021 YCCE rank is 149th.

Received 2nd prize for Best College Magazine of the RTM Nagpur University in 2019-20.

YCCE was Nodal Centre for "Smart India Hackathon-2018".

Infrastructure:

Centre of Excellence: Siemen's CoE is in 2016-17, Aveva (Mechanical) CoE in 2018-19, Aveva BOCAD (Civil) & Aveva Electrical in 2020 and AI and ML in 2020.

Innovative Gallery: YCCE has developed "Innovative Gallery" in 2016. 84 innovative projects are on display.

Incubation Centre: TBI Foundation a non-govt. section 8 company is established in 2018.

Institute innovation council (IIC): IIC is established in 2019 as per MHRD Innovation Cell (MIC) and AICTE to encourage, inspire and nurture young students.

Fabrication Laboratory: Fabrication Laboratory under ASPIRE of Ministry of MSME, Govt. of India is established in 2019.

Progressing towards Digitization:

ICT has been made an integral part of the T-L with 86 ICT enabled classrooms. Online teaching through various platforms is practiced.

Internet bandwidth is increased to 1 GBPS in 2020. Wi-Fi is available in entire campus.

On screen evaluation of ESE answer books resulted into declaration of result within 15 days.

Research Profile of the Institution:

No. of faculty with PhD is increased to 95 & approved PhD supervisors are increased to 62.

Improvement in research publications (1367 Scopus/WoS), Patents and Copyrights (578) are granted.

Received funding of Rs. 6 Cr. and generated revenue of Rs. 351.99 L through consultancy.

Collaborative Projects: DMIMS (DU), Wardha and YCCE carried out 09 collaborative projects in 2019-2020.

Teaching-Learning quality initiatives:

Teaching Plans: The Teaching plans are designed in tune with OBE. Student-centric methodologies are practiced to enhance T-L experience. Moodle based access of T-L requirements is provided.

Innovations: 95% faculty are attending FDP's in latest cutting-edge technologies. Every teacher is practicing innovative methods to ensure student centric T-L.

The IQAC has standardized all academic and administrative formats.

Increased interaction with alumni: The alumni representations on various committees are enhanced. YCCE Alumni Portal is developed in 2018-19.

Quality & Financial Audits:

IQAC has conducted external AAA Audits twice post accreditation. Internal & External financial audits are conducted regularly.

Towards Green Campus:

Using 650 KWP Solar energy since 2017-18. TV Display units are installed. The institute is using LED lights since 2019-20.

File Description	Document
Link for additional information	View Document

6.5.2 The institution reviews its teaching learning process, structures & methodologies of operations and learning outcomes at periodic intervals through IQAC set up as per norms and recorded the incremental improvement in various activities (For first cycle - Incremental improvements made for the preceding five years with regard to quality For second and subsequent cycles - Incremental improvements made for the preceding five years with regard to quality and post accreditation quality initiatives)

Response:

IQAC functions on the basic principles of plan, do, check and action approach (PDCA). It continuously monitors and periodically reviews academic and administrative processes which guarantee smooth functioning and quality enhancement.

Methodologies: At the commencement of semester, hand-outs containing teaching plan, course outcomes and evaluation criteria are provided to the students by course teachers. The class teachers provide the class engagement and syllabus coverage details. The review of class engagement, syllabus coverage, activities conducted by the departments, stakeholder's feedback, and academic progress of students is extensively discussed in the monthly Principal meeting.

Mid Semester and End Semester students feedbacks collected in online mode is analysed by the Dean (Acad. Matters) & corrective measures are taken and communicated to the stakeholders.

The progress of students in mid sessional exams. are informed to the parents through SMS. At the end of each semester parent teacher meets are organized. The course outcome attainment using both direct and indirect assessment methods is calculated by the course teachers. The CO and PO attainment is discussed in the departmental quality assurance cell (DQAC) and corrective measures are planned and implemented as per the guidelines of IQAC. The student representatives in the respective DQAC's and IQAC put their views in the meetings.

IQAC periodically ensures the attainment of learning outcomes of each course and program through the outcome based education committee, DQAC's. Dean (Academic Matters) and HoD's ensures the counselling of slow learners and plan specific activities.

IQAC in the meetings discuss the T-L process, student's progressions, student results & achievements, placements and plans various activities and VAC's as per the training need analysis done by the respective departments.

1.Course/Subject Files:

Course files are used to bring objectivity and helps strategizing the teaching and learning. The teaching plan with evaluation details, Course outcomes, course syllabus, books & reference books, teaching & learning material like Notes, PPT's, previous year question papers, experiment list, attendance registers, student's performance details in mid semester exams., course outcome attainment etc. are maintained by faculty. Course files have proven to be a guiding tool that providing direction and a sense of clarity.

2. Students Feedback on T-L Process & Evaluation:

Students' feedback reflects the quality of teaching-learning process. The IQAC has revised the student's feedback process to ensure transparency in the system.

The online feedback is taken twice in a semester; in the mid semester and at the end of semester. The HoDs and senior faculty members also take periodic verbal feedbacks. The Exit feedback is collected from final year outgoing students. The management members also interact with the students every year. The collected feedbacks are analysed and ATR's are made available to students, ensuring timely implementation of corrective measures.

Board of Studies ensure the required changes to be incorporated in the curriculum as per the feedbacks received from the stakeholders. The periodic review of T-L process, structures and methodologies of operations and learning outcomes through the feedbacks and interactions helped in refinement of curriculum, inclusion of value added courses, training programs etc.

File Description	Document
Link for additional information	View Document

6.5.3 Quality assurance initiatives of the institution include:

- 1.Regular meeting of Internal Quality Assurance Cell (IQAC); Feedback collected, analysed and used for improvements**
- 2.Collaborative quality initiatives with other institution(s)**
- 3.Participation in NIRF**
- 4.Any other quality audit recognized by state, national or international agencies (ISO Certification)**

Response: All of the above

File Description	Document
Upload e-copies of the accreditations and certifications	View Document
Institutional data in prescribed format	View Document
Paste web link of Annual reports of Institution	View Document
Link for additional information	View Document

Criterion 7 - Institutional Values and Best Practices

7.1 Institutional Values and Social Responsibilities

7.1.1 Measures initiated by the Institution for the promotion of gender equity during the last five years.

Response:

- Specific facilities provided for women in terms of:
 1. Safety and security
 2. Counseling
 3. Common Rooms
 4. Day care center for young children
 5. Any other relevant information

The institute believes in gender equality and promotes equity for its well balanced growth . Because besides fundamental human rights, it is essential to achieve sustainable development. In career progression and the empowerment of the female staffs, they are treated at par with their counterparts. The females are endowed with special responsibilities and equal authorities. Grievance cell is active to render justice to the female staff against any kind of injustice.

The safety and security of the female students, faculty and staff is imperatively vital for college. Facilities like common room and counselling services are provided, because it believes that a supportive, safe and conducive environments are crucial for one's growth.

Safety & Security:

The entire campus is under 24x7 CCTV Surveillance ensuring the safety of students. The entry and exits are guarded with Security check points keeping a vigilant eye. The visitors entry and exit are recorded in the entry register.

Anti-ragging committee, Grievance Redressal Committee and Internal Complaint committee are constituted as per the guidelines of government, to address the related issues.

Separate hostels for girls and boys, ensuring good amenities and proper security arrangements within the campus.

Essential Security measures are ensured in the laboratories, students are instructed about the security precautions to be followed in the laboratories. Fire extinguishers are installed on each floor in all the buildings and laboratories.

During the Industrial visits and study tours, a female faculty is accompanying the girl students. All the students enrolled in the college are facilitated with insurance coverage.

In case of medical emergencies, medical facility a well-equipped ambulance is accessible 24x7

in the campus. In addition, a 'Sick Room' specially for the girl students exist with essential facilities.

Counselling:

A psychological counsellor is appointed, who focuses on the mental health of the students as well addresses the gender sensitive subjects. The facility can be availed by the students and staff. The counselling cell dynamical and vigorously motivate students to participate in various events as per their ease and interests.

The Institution has a well-defined student mentoring system implemented from first semester. Under this a faculty advisor is allotted to students. The chief objective is to help each student in taking right decisions for their academic and personal growth. In addition, mentoring will also benefit to boost student's morale and will enhance their learning aptitudes and capacity.

Day care centre is available for non-teaching lady staff members.

Common Room:

Common room is a space provided to the students to unwind, relax and also to hold meeting to plan their events, cultural activities etc. Common Rooms facility for Boys' and Girl's are available for the students. Separate sick rooms are also available. Girl's common rooms are available in each classroom complexes with essential facilities like first aid box, bed, wash basin, etc.

- Annual gender sensitization action plan is prepared and implemented.

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

7.1.2 The Institution has facilities for alternate sources of energy and energy conservation measures

- 1.Solar energy
- 2.Biogas plant
- 3.Wheeling to the Grid
- 4.Sensor-based energy conservation
- 5.Use of LED bulbs/ power efficient equipment

Response: A. 4 or All of the above

File Description	Document
Geotagged Photographs	View Document
Any other relevant information	View Document

7.1.3 Describe the facilities in the Institution for the management of the following types of degradable and non-degradable waste (within 500 words)

- **Solid waste management**
- **Liquid waste management**
- **Biomedical waste management**
- **E-waste management**
- **Waste recycling system**
- **Hazardous chemicals and radioactive waste management**

Response:

- Solid waste management
- Liquid waste management
- Biomedical waste management
- E-waste management
- Waste recycling system
- Hazardous chemicals and radioactive waste management

The learners and the members of the institute are well sensitized towards environmental concerns. Mitigation of carbon footprint, adoption of green practices, environment friendly processes, E- governance, paperless administration, digital administration, plantation, waste management, compost plants are few of the measures that have been adopted to make institute an environment friendly one.

YCCE is conscious about its responsibilities towards the environment and works on the principles of three "R" model to maintain Eco-Friendly campus: **Reduce, Re-use, Re-Cycle.**

Solid waste management:

The solid waste generated in the campus includes plastics, food wastes, cardboard materials, paper wastes, metals, wood etc. Litter bins are provided in the institute at convenient locations. The staff rooms and offices have been provided separate dust bins. The single side papers are re-used for writing and printing circulars in all the departments. Metal and wooden waste is stored and given to authorized agent for further processing.

Liquid waste management:

Liquid waste mainly consists of waste water from kitchens, washrooms and mess. This waste water is managed through underground sewerage pipes. The waste is collected in the underground tanks located in the campus. The waste collected in Sewage Treatment Plant is treated and the treated water is used for several other purposes like watering to plants and trees, cleaning and etc. Periodic checkup of plumbing lines is undertaken to ensure minimal loss of water due to leakage.

Biomedical waste management: No bio medical waste is generated in campus. On the precautionary side MoUs are signed.

E-waste management:

Thee-waste obtained in the institute comprises of batteries, UPS, printer cartridges, discarded input devices like mouse, key-boards, wires and cables. Thee-waste is re-used in case of re-parable and brought to make use of them again.

The discarded e-waste is exchanged with vendors to get new products at discount, which helps in saving money to great extent and also provides with safe disposals process.

All electronic equipment used in the campus are regularly maintained and repaired to ensure Minimum e - waste. UPS Batteries are recharged and repaired by the suppliers. Printer cartridges are used after refilling.

Waste recycling system: The college has prepared the writing pads from the unused pages of the answer sheets. Workshop waste is also re-used to prepare furniture. The waste which is fit to recycle is given to recycler. The damaged books are given for binding and are re-used.

Hazardous chemicals management:

Except Environmental and Chemistry laboratory there are no other departmental laboratories in the college where there is a possibility of usages of hazardous chemicals. In these laboratories safety measures for handling these chemicals are displayed. These chemicals are stored with special precautions. The first Aid box is provided for any emergency in the labs.

No radioactive waste is generated being an Engineering institute

File Description	Document
Relevant documents like agreements/MoUs with Government and other approved agencies	View Document
Geotagged photographs of the facilities	View Document

7.1.4 Water conservation facilities available in the Institution:

1. Rain water harvesting
2. Borewell /Open well recharge
3. Construction of tanks and bunds
4. Waste water recycling
5. Maintenance of water bodies and distribution system in the campus

Response: A. Any 4 or all of the above

File Description	Document
Geotagged photographs / videos of the facilities	View Document
Link for any additional information	View Document

7.1.5 Green campus initiatives include:

1. Restricted entry of automobiles
2. Use of Bicycles/ Battery powered vehicles
3. Pedestrian Friendly pathways
4. Ban on use of Plastic
5. Landscaping with trees and plants

Response: A. Any 4 or All of the above

File Description	Document
Various policy documents / decisions circulated for implementation	View Document
Geotagged photos / videos of the facilities	View Document
Any other relevant documents	View Document

7.1.6 Quality audits on environment and energy are regularly undertaken by the Institution and any awards received for such green campus initiatives:

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

Response: A. Any 4 or all of the above

File Description	Document
Reports on environment and energy audits submitted by the auditing agency	View Document
Certification by the auditing agency	View Document
Any other relevant information	View Document

7.1.7 The Institution has disabled-friendly, barrier free environment

1. Built environment with ramps/lifts for easy access to classrooms.
2. Divyangjan friendly washrooms

3. Signage including tactile path, lights, display boards and signposts
4. Assistive technology and facilities for Divyangjan accessible website, screen-reading software, mechanized equipment
5. Provision for enquiry and information : Human assistance, reader, scribe, soft copies of reading material, screen reading

Response: A. Any 4 or all of the above

File Description	Document
Geotagged photographs / videos of the facilities	View Document
Any other relevant information	View Document

7.1.8 Describe the Institutional efforts/initiatives in providing an inclusive environment i.e., tolerance and harmony towards cultural, regional, linguistic, communal socioeconomic and other diversities (within 500 words).

Response:

Institution provides an inclusive environment for everyone with tolerance and harmony towards cultural, regional, linguistic, communal socioeconomic and other diversities. We believe in unity in diversity that's why our students respect different religions, languages and cultures. Two important national festivals, Republic Day and Independent Day are celebrated in the campus to inculcate the patriotism in students.

The College always encourages the students to organise and participate in different programmes organised by college, inter-college, and university. Different sports and cultural activities are organized in the college to promote harmony towards each other. Commemorative days like Women's day is celebrated to sensitised about women empowerment. International Yoga Day is celebrated to create awareness about the mental and physical health. Teachers Day celebration prompts respect towards the teaching fraternity and recognising their staunch contribution towards the society. To create harmony and integration, Festivals like Ganesh Puja, Gajanan Maharaj Pragat Din, Chhatrapati Shivaji Maharaj Jayanti, Swami Vivekananda Jayanti, are celebrated in the college. Engineers' day is celebrated to recognize and appreciate the advancement and their role in societal development. These Commemorative days establishes positive interaction among people of different racial and cultural backgrounds. On the eve of college annual gathering we organize a traditional dress competition and fashion show reflecting cultural diversity under one umbrella. In this competition students wore the different attire representing the different states, religions and cultures. Through this activity students get acquainted with the different culture of our nation and help to develop the tolerance and harmony towards cultural, regional, linguistic, communal socioeconomic and other diversities. The college promotes and prescribes uniform as a dress code to maintain the socioeconomic balance. Through the training programme 'Get Set Go', the newly admitted student coming from different rural areas and background are guided and trained, so as to overcome the linguistics, cultural and social barriers of urban cities and hence create their comfort zone.

There are different grievance redressal cells in the institute like Student grievance redressal cell, faculty grievance redressal cell which deal with grievances without considering anyone's racial or cultural background.

Institute has code of ethics for students and a separate code of ethics for teachers and other employees which have to be followed by everyone irrespective of their cultural, regional, linguistic, communal socioeconomic and other diversities.

YCCE is tobacco free campus. Student forums organize various events for the purpose of spreading awareness.

File Description	Document
Supporting documents on the information provided (as reflected in the administrative and academic activities of the Institution)	View Document

7.1.9 Sensitization of students and employees of the Institution to the constitutional obligations: values, rights, duties and responsibilities of citizens (within 500 words).

Response:

The institute propagates and educate all the members of the institute about their constitutional duties and obligations. It trains the members as to how to function while remaining within the constitutional frame work and respect the constitutional obligations. The various facets of Indian constitution are well propagated amongst the learners and the members of the institute at appropriate occasions. The sacrosanct document of Indian constitution is well comprehended and propagated by the members of the institute.

The institute has well defined standard code of conduct for students, teachers and the staff. The institute undertakes different initiatives by organizing various activities to sensitize students and employees to the constitutional obligation: Values, Rights, Duties and responsibilities of the citizens. Every year Republic Day is Celebrated on 26th Jan by organizing activities highlighting the importance of Indian Constitution. Independence Day is also celebrated every year to highlight struggle of freedom. This year a virtual lecture series was scheduled for students on mark the occasion.

Swachh Bharat Mission initiated by Hon'ble Prime Minister and Environment Day, is celebrated to inculcate the value and importance of waste management & sensitization towards the environment sustainability. World Cancer Day is marked to raised awareness and encouraging to identify, prevent and treatment. National Voter's Day Celebration is embarked to make them aware about their constitutional rights and to encourage them by participating in the electoral process to bring a change. The Teachers Day celebration is to make them cognizant about the dedication and contribution of teacher in shaping and building the future of nation. Traditional Day is celebrated to envisage the harmony, integration and understanding the uniqueness in the diversity. International Women's Day programmes are conducted to comprehend the role and contribution of women in the holistic development. Tree Plantation Drive, Engineers Day, Blood Donation Camp, National Youth Day etc are organized to sensitize students and employees to the constitutional obligation and their role in the nation building.

File Description	Document
• Details of activities that inculcate values; necessary to render students in to responsible citizens	View Document

7.1.10 The Institution has a prescribed code of conduct for students, teachers, administrators and other staff and conducts periodic programmes in this regard.

- 1. The Code of Conduct is displayed on the website**
- 2. There is a committee to monitor adherence to the Code of Conduct**
- 3. Institution organizes professional ethics programmes for students, teachers, administrators and other staff**
- 4. Annual awareness programmes on Code of Conduct are organized**

Response: A. All of the above

File Description	Document
Details of the monitoring committee composition and minutes of the committee meeting, number of programmes organized, reports on the various programs etc., in support of the claims	View Document
Code of ethics policy document	View Document

7.1.11 Institution celebrates / organizes national and international commemorative days, events and festivals (within 500 words).

Response:

The National Festivals, Birth Anniversaries of great Indian Personalities are celebrated to promote national unity, integrity and patriotism among the young minds. Thoughts of great Indian personalities sowed into the minds of students through the programs conducted on these days. Staff and students get to know the importance of national integrity in the country in general and their role in it in particular. The following programmes are celebrated for the holistic development of students.

Republic Day: The Republic Day is celebrated with gaiety and patriotic fervor. On this privileged occasion, celebrations start with the vibrant and elegant National Flag hoisting ceremony. The faculty members and the students are felicitated for achievement and are motivated to achieve excellence in their respective fields.

Independence Day: The institution celebrates Independence Day every year by flag hoisting ceremony in the presence of invited Chief Guest. The topper student unfurls the national flag followed by the singing of National Anthem. The faculty members and the students are felicitated for achievement and are motivated to achieve excellence in their respective fields.

Teachers Day: The institution celebrates Teacher's Day on 5th September to commemorate the birth

anniversary of the second President of India, Dr. Sarvepalli Radhakrishnan, a great teacher and a staunch believer of education. Students organize various programs and games for faculty in the departments every year. Such events help to bridge the gap between the teachers and learner creating a conducive learning environment.

Engineer's Day (Birth Anniversary of Sir M. Visvesvaraya)–The institution celebrates this day on 15th September as an tribute to the exceptional Indian Engineer, Bharat Ratna Mokshagundam Visvesvaraya. Projecting the role of an Engineer in the development, growth and advancement through the optimum use of resources available.

Ganesh Festival– The institution celebrates Ganesh Festival. “Lord Ganesh” as the God of New Beginnings and the Remover of Obstacles as well as the God of wisdom and intelligence.

International Yoga Day: International Day of Yoga is celebrated in full enthusiasm on June 21, every year. The aim is to persuade students towards the physical health for a well balanced mental health.

Swatch Bharat Abhiyan is organized in the institute every year on 2nd of October as per the guidelines of Government of India, to a dvert the awareness about the sanitization and cleanliness.

Women's Day: Woman's Day is celebrated every year to acknowledge the importance and responsibility that a women carries in a society. In order to recognize it, an event is organized on 8th of March. Activities like poster competition, message wall, gift distribution to women in the institution, etc. are conducted.

File Description	Document
Annual report of the celebrations and commemorative events for the last five years	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:

1. Title of Practice: “Academic Enhancement and Monitoring Practice” through Annual Workload Plan (AWL)

2. Objectives of the Practice:

Internal Quality Assurance Cell of YCCE has taken number of initiatives to ensure the overall development of the institution and its stakeholders. One of the most effective initiatives is Annual Work Load (AWL) Plan. The main objective of the initiative is to prepare the institute as per the quality assurances requirements of the accreditation agencies like NAAC and NBA, and ranking agency NIRF.

3. The Context:

Competent faculty is the backbone of any education system. In today's time, with rapidly changing scenario, role of a teacher has been extended to a facilitator.

The changing scenario has brought a paradigm shift from traditional teaching process to outcome-based education. With OBE: reconstruction of curriculum, evaluation, innovative teaching practices and training has helped to mirror the achievements in higher order of knowledge.

To cope up with this paradigm shift, developing capacity and increasing competencies of faculty has become very crucial.

On this backdrop, the IQAC of YCCE has suggested the quality initiative of enhancing skill and competencies of faculty which will in turn help students in receiving better education and guidance in the form of Annual Workload Plan (AWL) for faculty.

4. The Practice:

Annual Work-Load Plan

The AWL SOP includes

- a) assigning the key responsibility areas (KRA's) to the functional heads,
- b) Guidelines to the departments for target allotment based on the strength of the departments
- c) Faculty allotment target sheet to assign the targets to faculty. The targets are assigned as per the cadre and some are mandatory targets.

The major areas of AWL targets include –

- Qualification improvement of faculty
- Quality research publication,
- Submission of funding proposals to various funding agencies to fetch grants for carrying out research and non-research based activities
- Product Development
- Creation of Intellectual Property Rights
- Application of knowledge through Consultancy/Testing
- Involvement in professional society activities through active membership
- Attending FDP/Training programs
- Organizing SDP/FDP for students and faculty
- Generation of learning materials
- Practicing innovative teaching learning methods
- Usage of e-resources in T-L process.

HoD ensures proper distribution of targets based on qualification, designation, experience, and thrust area etc. of concerned faculty. Target Completion dates are properly distributed in two halves in an academic session without disturbing the T-L process.

Since the entire practice has been developed in view of improving quality in technical education, it is

imperative that every faculty member must contribute and strive for the betterment of the technical education, keeping in view student's education and interest. Therefore, it is important to take periodical follow up and bring it to the notice of the concerned faculty for completion of assigned targets, through proper communications during the year.

5. The outcome of the AWL plan/ Evidence of Success:

- Significant improvement in number and quality of research publications by faculty (1493 Papers)
- Large numbers of funding proposals are submitted to various funding agencies. The institute received funding of Rs. 6 Cr. in the last 5 years.
- 96% faculty members are the members of relevant professional societies of their discipline.
- Each faculty member is practicing the appropriate innovative method while teaching the course.
- The institute could receive 578 copyrights + Patents for learning materials developed by faculty members.
- The institute has generated the revenue of Rs. 1,24,88,860 Lakhs through consultancy and testing.
- 109 New Innovative Expt. Setup/ New Instructional Lab Manuals have been developed by faculty.
- The college is ranked every year since 2016 in NIRF ranking. **(Ranks within 150)**
- The college is now one of the preferred destinations for aspiring students, which is evident from the admission statistics. **(Avg. 94.4% Admissions)**
- The college has received NBA accreditation & reaccreditation for 09 programs **(6 UG,3 PG)**.
- Overall class attendance, engagements of classes **(97%)** and syllabus converge **(90-95%)** has substantially improved.
- There is an increase in curricular and extracurricular activities for students enhancement, A notable increase can be witnessed in students paper publication and their participation in various competition organised by reputed institutions.
- Quality of UG and PG projects have been profusely elevated, which is seemingly reflected through the varied competitions participated by students. **(21 projects-based patents have been filed)**.
- There is an upturn hike in organizing and attending the faculty development programmes. **(95% Faculty Members)**
- Establishment of Centre of Excellence **(05)** in the institute is an added feature.
- Established YCCE TBI Foundation, a section 8 company for technology business incubation, housing 09 LLPs
- Distinct upswing can be witnessed with number of patents **(72)** and copyrights **(440)**.

6. Problems Encountered and Resources Required:

The arduous problems faced in executing the best practice were on lower side. Insufficient knowledge of the systems, coordination among team members and other responsibilities assigned to key faculty members were some of the trifling issues. Extensive work was required in developing formats. Funds were essential for upgrading MIS software, organizing FDPs and student activities. A well-designed and configured support system is provided to Dean Academics and all the Functional Heads. There is a provision of special substantial incentives to all the functional heads. A new-fangled initiative, where faculty is mentored for areas such as OBE, Academics, R&D and department level administration has proven favourably constructive in overcoming hurdles.

7. Notes:

Vision and directions of the Management and Principal, coordination among functional heads, commitment shown by faculty members and response from other stake holders are the essentials for streamlining the process. Mid-term and end-term reviews and audits in structured form are the integrated and intertwined parts for developing and triumphantly running the process.

The core team identifies the issues and resolves the same in a systematic way.

Best Practice II

1. Title of the Practice: “Administrative Coordination and Review Practice” through Department Level Assessment (DLA)

2. Objectives of the Practice:

Department Level Assessment (DLA) is one of the Quality Assurance Initiatives of the institute. The main objective of DLA Assessment is to ensure the continuous improvement in the academic processes adopted by the institute and implemented as per the requirements of outcome-based education. The annual DLA audit is conducted to ensure the preparedness of the institute for the accrediting & ranking agencies requirements.

3. The Context:

To maintain the pace with the expansion and escalation of technological advancement and the challenges faced by the society and industry; a distinguished and imperative upgradation is the need of Engineering Education. Hence, engineering education needs to contemplate and enshrine time and resources for the institutional development, adjoining with the teaching- learning process. To sustain in the vying competitiveness, it is imperatively vital to pertain accreditation, ranking and the other statutory and non-statutory processes. The administrative framework, commitment of executors, tabulating coordination among themselves, and greater collaboration with academic processes is the eminent and conspicuous feature of the institution. Hence, Department Level Assessment is carried out in yearly mode to ensure the adherence of academic and administrative processes at every functional unit of the institution.

4. The Practice:

The DLA implementation is carried as per the prepared SOP. The assessment is conducted annually at the end of the academic session.

The standard format for the assessment is prepared based on the guidelines of NBA Manual/SAR Format.

The assessment parameters are:

1. Vision & Mission of the department & Programme Educational Objectives (PEO's)
2. Program Curriculum and Teaching -Learning Process
3. Quality of Question Papers, Student Projects & Internship
4. Industry involvement in T-L
5. Course Outcomes & Programme Outcomes & its attainment
6. Academic Student Performance
7. Placements, Higher Studies data

8. Faculty Contributions
9. Innovations by the Faculty in Teaching and Learning
10. Research and Development: Academic & Sponsored Research
11. Consultancy
12. Facilities & Technical Support
13. Continuous Improvement based on outcomes of OBE.
14. Action Planned & Taken in case of low attainment
15. SWOC Analysis
16. Implementation of Group Level Initiative (AWL, PQAI etc.) for Improved Teaching Learning
17. Interaction with Students

5. The outcome of the DLA/ Evidence of Success:

Since 2003 most of our UG and PG programmes are accredited and re-accredited by NBA. **(Currently 06 UG and 03 PG Programs are NBA Accredited).**

Evident and marked thrust can be witnessed in the placement of students in various esteemed national and multinational companies. **(Total Placements: 3810=61.29% in 5 Years)**

1. Significant improvement in understanding OBE by Stakeholders
2. Planning of corrective measures well in advance based on attainment levels
3. Practicing appropriate innovative methods while teaching the course.
4. SWOC Analysis and Review of measures in tune with Road Map of the department
5. Implementation of all group level initiatives

Impact analysis of the adopted academic processes/activities/initiatives for qualitative & quantitative outcomes

MoUs with many organisations is an important facet of organization. **(Total MoU's:84)**

Industry focused professional elective courses are offered by MNC's like Infosys, Pune & Global Logic, Nagpur, TCS, Nagpur.

6. Problem Encountered & Resources:

With the system, no specific stumbling blocks are been encountered. The institute has adopted a policy of rotation system for the functional posts. If unable to find the competent person, this hurdle is overcome by mentoring the concern. All Deans and Functional Heads are equipped with required resources and are given special incentives for executing the duties. Various faculty and students centric policies are in place to support the faculty and students to encourage them to perform their best.

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File Description	Document
Best practices in the Institutional web site	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 founders have envisaged the vision of providing innovative, research and value based professional education through skilled and competent workforce to the society by imparting quality education and training.

The distinctive initiative of the institute- Offering Employability/Entrepreneurship/Skill Development opportunities to students through Campus Recruitment Training (CRT), Semester/Year-long Internship and Eagles of YCCE Project.

Good timber does not grow with ease. Hence, to make the students stand stronger and firm in the competitive world, a well-designed and rigours Campus Recruitment Training (CRT), Semester-Year-long internship in the industry and Eagles of YCCE Project are implemented.. Through this distinctive initiative of IQAC, the institute provides a platform to the students with opportunities to advance their career path with the required knowledge and skill sets to face the campus placement drives. The initiative focuses on inducing, grooming, and enhancing the skill sets of students, creating a workforce to compete and thrive in today's global economy and changing market scenario.

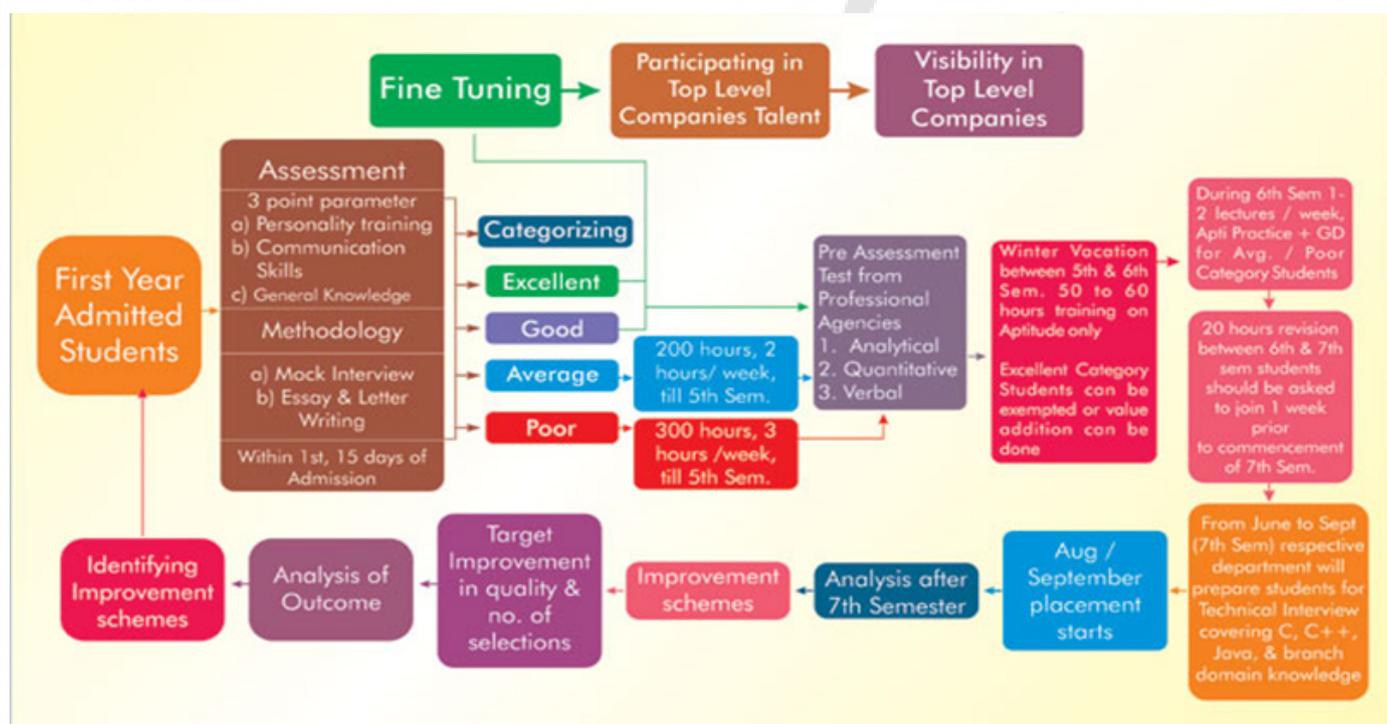
Campus Recruitment Training (CRT) :

CRT infused the desire among the students to win and possess definiteness towards their purpose as well as to bridge the gap between academia and industry. The initiative aims at honing the skill sets of pre-final year students, elevating their performance in the campus placement drives.

The prime objectives of CRT program are:

- To train and prepare the students for recruitment in various companies.
- To foster self-confidence to face interviews and explore career path.
- To boost overall competency level of the students.
- To amplify problem solving and analytical reasoning skills through task-based learning.
- To augment the skill of effective time management.

The CRT program is graphed on the lines of the expectations of the giant multinational IT companies like; TCS, Wipro, CTS, Infosys, Tech Mahindra, Accenture, IBM and Non-IT companies with a perfect blend of Aptitude and Technical skills to ensure that the students develop confidence and face the ever-evolving selection processes of various companies. The CRT aims at enhancing skills, communication, Aptitude, Reasoning, Leadership, and technical skills. The major components of 80 hrs. extensive training programs are: Quantitative Aptitude, Logical reasoning, Verbal Abilities, Technical Skills, Mock Interviews and Group Discussion.



CRT Program details

Semester/Year Long Internship in Industries :

The institute has incorporated semester/yearlong internships as a part of curriculum and facilitates the Semester Long Internship for Final year UG students and a year-long internship for final year M. Tech students.

The intended objectives of internship are:

- To learn, apply, and sharpen the technical/managerial skills through hands-on work experience in real industrial situations.
- To get an exposure to the current technological developments relevant to the discipline.
- To prepare industry ready workforce.
- To make the students aware of the responsibilities, ethics, and aspects of quality control at industries.

- To help the industries in getting innovative solutions leading to positive impact through industry projects developed by students.
- To make the students understand the social, economic, and administrative aspects influencing work environment of industrial organizations.
- To help the students in understanding the psychology of the workers, their attitudes and approach to problem solving.
- To establish an excellent network with professionals in the field.

The industry is benefited through –

- the availability of year-round source of highly motivated pre-professionals
- bringing new perspectives to problem solving
- availability of flexible, cost-effective workforce without a long-term employer commitment
- proven, cost-effective way to recruit and evaluate potential employees
- increased visibility of the organization

The students get an opportunity to experience the integration of the theoretical aspects learned by them with the practical world. This experience plays major role in selection of profession as best career option to endeavour. It also gives an opportunity to learn new skills and supplement knowledge to practice skills, like teamwork, time management, multi-tasking etc.

Eagles of YCCE :

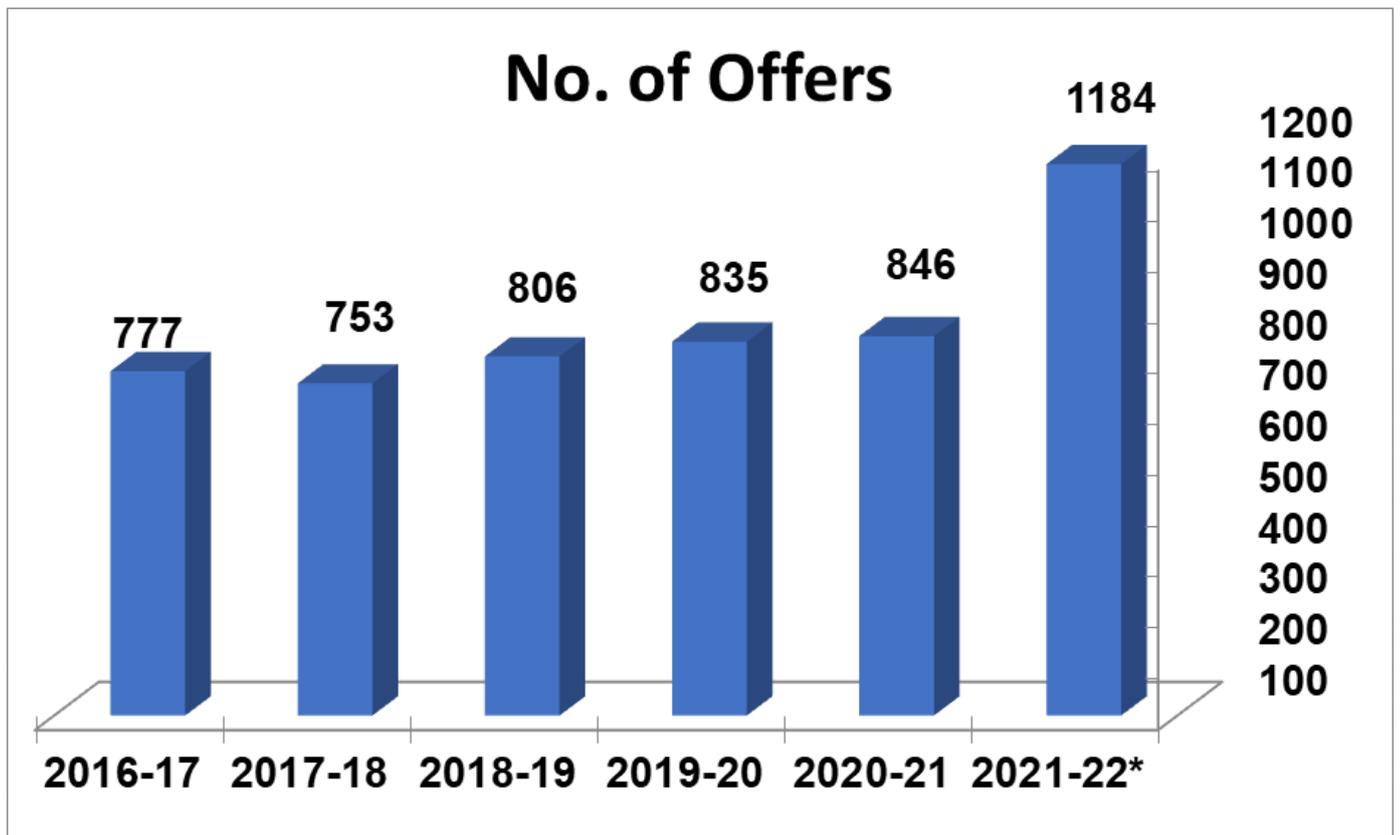
This is an exclusive training and grooming project for YCCEans being offered from the Academic Year 2021-22.

“Eagles of YCCE” project selects first year’s students through a 3-level selection process. These selected students - the Eagles of YCCE will undergo a free of cost 400 plus hours specialized training apart from their regular academics to prepare them for getting placements in dream global companies with high salary packages.

The specialized training will be offered at three levels:

- 1.Foundation Training
- 2.Technical Skill Training
- 3.Industry specific training.

The training will be imparted through expert trainers, industry persons and reputed agencies.



The impact of institute's distinctive initiatives in terms of outcome:

- 1) Significant improvement in placement offers. Total Placement offers received 5201.
- 2) Our Prominent recruiters are :

- Adani Power Limited,
- Amazon Development (I) Pvt. Ltd.,
- AMDOCS,
- Angloeastern Ship Management Ltd.,
- Atos-Syntel India Ltd.,
- Bajaj Finance Ltd.,
- Bosch India Ltd.,
- Byju's,
- Capgemini India Pvt. Ltd.,
- Cognizant,
- Cybage Software Pvt. Ltd.,
- Epic Research, Fujitsu Consulting (India),
- Galaxy Solar Energy Pvt. Ltd.,
- GE Appliances,
- Grindwell Norton Ltd.
- (Saint Gobain),
- Hasan Juma Trading Oman,
- HCL Technologies Ltd.,
- HSBC Software,
- IBM, Indian Air Force,
- INDORAMA Synthetics Ltd.,

- Infosys,
- Jade Global Software Pvt. Ltd.,
- JD Buildcon,
- JSW Steel Coated Products Ltd.,,
- L&T Infotech Ltd.,
- LG Electronics,
- Mahindra & Mahindra Ltd.,
- Medicaoccean Asia Pvt. Ltd.,
- Metlok Pvt. Ltd.,
- Mindtree,
- Mphasis,
- Mu Sigma,
- Neosynergy Systems Pvt. Ltd.,
- Persistent Systems Ltd.,,
- Ramkrisha IT Systems,
- Rane Holdings Ltd.,
- Reliance Industries Ltd.,
- Reliance Jio,
- Samsung R&D,
- Sunflag Iron & Steel Ltd.,
- TAL Manufacturing Solutions Ltd.,
- Tata Consultancy Services Ltd.,
- Tech Mahindra Ltd.,
- Triveni Turbines Ltd.,
- Wipro Technologies Ltd.,
- Xoriant Solutions Pvt. Ltd.,
- Zensar Technologies Ltd.,
- Zycus etc.

3) Salary package is enhancing every year. Till date max. annual package offered is 21 Lakhs.

4) So far we have signed 84 MoUs for diverse student/faculty centric activities with various organisations/Industries

5) We are offering 08 Industry aligned professional elective courses by MNC's like Infosys, Global Logic, TCS, etc.

6) Our students have carried out 300 plus live Industrial projects on Industrial Problems.

7) Institute has the Policy of Faculty sabbatical training in industries to make the faculty also industry aligned.

*** placement still in progress for this batch**

File Description	Document
Appropriate web in the Institutional website	View Document

NAAC

5. CONCLUSION

Additional Information :

YCCE is the first private engineering college to acquire autonomous status in central India in 2010.

YCCE is categorized as A Grade institute by Govt. of Maharashtra.

YCCE received accreditation and reaccreditation of Institution of Engineers IE (I).

YCCE is accredited by industries like TCS, Wipro and Capgemini.

YCCE is first prize in IEEE WIE International Humanitarian Technical Project Competition at Dhaka.

Received ISTE National Award 2014 being the Best Engineering College in the Country.

The institute is ranked 64th in Top 100 Private T-Schools for 2016 in All India and 9th in West Zone (Maharashtra, MP & Gujrat).

Data Quest-CMR Ranking: All India 32nd Rank, 23rd Rank amongst Self-Financing & 4th Rank in West Zone by Data Quest-CMR Ranking-2020.

Visiting professor Scheme is to invite renowned professors from IIT's, NIT's to advice, teach and mentor students and faculty.

YCCE is offering Kalam Impact specially designed Pedagogical Enhancement Skill Development Program for faculty.

Project quality assurance scheme is to ensure quality of projects at UG and PG level.

Internal Academic audits are conducted regularly to ensure quality.

DTEL scheme is to ensure the e-content generation as well as utilization of e-resources.

The institute is recipient of 8.41 Cr. World Bank funded project in TEQIP-1.

YCCE received grant of 42.6 L from SERB under empowerment and quality opportunities for SC, ST Faculty.

YCCE has organized 70 programmes with IIT Mumbai under NMEICT.

Concluding Remarks :

YCCE with existence of more than 37 years, has carried a legacy of imparting excellent education to thousands of students. Over the years it has grown from strength to strength with the expansion both in academic field and infrastructure. The vision and mission of the founders are the guiding lights for the stake holders of the college.

Virtuous governance has been the crux for the excellent growth shown by the college in the field of education. Management is leading the path to enhance the teaching and learning process and knowledge dissemination by magnanimously giving grants to all the departments to upgrade the labs and R&D facilities.

Initially the institute laid its foundation with UG programs; presently it is catering not only to UG and PG students but has also opened doors for researchers. Presently 06 UG programs and 03 PG Programs are accredited by NBA under Tier-I. This reflects the quality of education being imparted to the students. All the departments have become research centers under RTMNU. With the enhanced research and consultancy facilities, fund mobilization through research grants and consultancy have crossed few crores of rupees.

The autonomous status has amplified the quality of education that is being imparted with proper sign of curriculum with due participation from the industry people. No effort is spared to reduce the gap between the institution and Industry. Students are being directed for internship in industries, which turn into the springboards for the students to reach the higher levels in training and knowledge; making them employable. Placements for the students have been identical very good and several of our alumni have occupied key positions both in India and abroad. Hence many leading magazines and NIRF have ranked YCCE. The Institution believes that NAAC certification will be a measure to evaluate and guarantee the standard of education provided at YCCE. It is hoped that the NAAC accreditation further elevates the institutional image.

6.ANNEXURE

1.Metrics Level Deviations

Metric ID	Sub Questions and Answers before and after DVV Verification																				
1.1.2	<p>Percentage of Programmes where syllabus revision was carried out during the last five years.</p> <p>1.1.2.1. Number of all Programmes offered by the institution during the last five years. Answer before DVV Verification : 86 Answer after DVV Verification: 21</p> <p>1.1.2.2. How many Programmes were revised out of total number of Programmes offered during the last five years Answer before DVV Verification : 47 Answer after DVV Verification: 14</p> <p>Remark : DVV has made the changes as per SSR.</p>																				
2.3.3	<p>Ratio of students to mentor for academic and other related issues (Data for the latest completed academic year)</p> <p>2.3.3.1. Number of mentors Answer before DVV Verification : 247 Answer after DVV Verification: 227</p> <p>Remark : DVV has not consider those teachers are left the college by HEI.</p>																				
2.4.2	<p>Average percentage of full time teachers with Ph. D. / D.M. / M.Ch. / D.N.B Superspeciality / D.Sc. / D.Litt. during the last five years (consider only highest degree for count)</p> <p>2.4.2.1. Number of full time teachers with <i>Ph.D./D.M/M.Ch./D.N.B Superspeciality/D.Sc./D’Lit.</i> year wise during the last five years Answer before DVV Verification:</p> <table border="1"> <thead> <tr> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> <th>2017-18</th> <th>2016-17</th> </tr> </thead> <tbody> <tr> <td>95</td> <td>87</td> <td>76</td> <td>70</td> <td>63</td> </tr> </tbody> </table> <p>Answer After DVV Verification :</p> <table border="1"> <thead> <tr> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> <th>2017-18</th> <th>2016-17</th> </tr> </thead> <tbody> <tr> <td>234</td> <td>226</td> <td>237</td> <td>316</td> <td>316</td> </tr> </tbody> </table> <p>Remark : DVV has given the value as per extended profile 3.2 and 3.3</p>	2020-21	2019-20	2018-19	2017-18	2016-17	95	87	76	70	63	2020-21	2019-20	2018-19	2017-18	2016-17	234	226	237	316	316
2020-21	2019-20	2018-19	2017-18	2016-17																	
95	87	76	70	63																	
2020-21	2019-20	2018-19	2017-18	2016-17																	
234	226	237	316	316																	
3.1.3	<p>Percentage of teachers awarded national / international fellowship for advanced studies/research during the last five years</p> <p>3.1.3.1. The number of teachers awarded national / international fellowship for advanced studies / research year wise during last five years</p>																				

Answer before DVV Verification:

2020-21	2019-20	2018-19	2017-18	2016-17
103	96	140	208	33

Answer After DVV Verification :

2020-21	2019-20	2018-19	2017-18	2016-17
69	52	80	98	21

Remark : DVV has excluded Copy right documents/patents documents from shared certificate of awards by HEI.

3.3.2 Number of workshops/seminars conducted on Research methodology, Intellectual Property Rights (IPR), entrepreneurship, skill development during the last five years.

3.3.2.1. Total number of workshops/seminars conducted on Research methodology, Intellectual Property Rights (IPR), entrepreneurship, skill development year-wise during the last five years.

Answer before DVV Verification:

2020-21	2019-20	2018-19	2017-18	2016-17
77	57	42	36	16

Answer After DVV Verification :

2020-21	2019-20	2018-19	2017-18	2016-17
70	57	42	36	16

3.6.2 Number of awards and recognition received by the Institution, its teachers and students for extension activities from Government / Government recognised bodies during last five years

3.6.2.1. Total number of awards and recognition received for extension activities from Government/ Government recognised bodies year-wise during the last five years.

Answer before DVV Verification:

2020-21	2019-20	2018-19	2017-18	2016-17
12	07	10	10	06

Answer After DVV Verification :

2020-21	2019-20	2018-19	2017-18	2016-17
05	03	05	04	03

Remark : DVV has not consider shared certificate of appreciation as an awards by HEI.

3.6.3	<p>Number of extension and outreach programs conducted by the institution through NSS/NCC, Government and Government recognised bodies during the last five years</p> <p>3.6.3.1. Number of extension and outreach programs conducted by the institution through NSS/NCC, Government and Government recognised bodies during the last five years</p> <p>Answer before DVV Verification:</p> <table border="1" data-bbox="306 392 1046 524"> <thead> <tr> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> <th>2017-18</th> <th>2016-17</th> </tr> </thead> <tbody> <tr> <td>30</td> <td>21</td> <td>23</td> <td>30</td> <td>26</td> </tr> </tbody> </table> <p>Answer After DVV Verification :</p> <table border="1" data-bbox="306 604 1046 736"> <thead> <tr> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> <th>2017-18</th> <th>2016-17</th> </tr> </thead> <tbody> <tr> <td>30</td> <td>21</td> <td>23</td> <td>30</td> <td>26</td> </tr> </tbody> </table>	2020-21	2019-20	2018-19	2017-18	2016-17	30	21	23	30	26	2020-21	2019-20	2018-19	2017-18	2016-17	30	21	23	30	26
2020-21	2019-20	2018-19	2017-18	2016-17																	
30	21	23	30	26																	
2020-21	2019-20	2018-19	2017-18	2016-17																	
30	21	23	30	26																	
3.6.4	<p>Average percentage of students participating in extension activities listed at 3.6.3 above during the last five years</p> <p>3.6.4.1. Total number of students participating in extension activities listed at 3.6.3 above year-wise during the last five years.</p> <p>Answer before DVV Verification:</p> <table border="1" data-bbox="306 1016 1046 1149"> <thead> <tr> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> <th>2017-18</th> <th>2016-17</th> </tr> </thead> <tbody> <tr> <td>4485</td> <td>3945</td> <td>4112</td> <td>4196</td> <td>4283</td> </tr> </tbody> </table> <p>Answer After DVV Verification :</p> <table border="1" data-bbox="306 1229 1046 1361"> <thead> <tr> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> <th>2017-18</th> <th>2016-17</th> </tr> </thead> <tbody> <tr> <td>3050</td> <td>3148</td> <td>2868</td> <td>640</td> <td>00</td> </tr> </tbody> </table>	2020-21	2019-20	2018-19	2017-18	2016-17	4485	3945	4112	4196	4283	2020-21	2019-20	2018-19	2017-18	2016-17	3050	3148	2868	640	00
2020-21	2019-20	2018-19	2017-18	2016-17																	
4485	3945	4112	4196	4283																	
2020-21	2019-20	2018-19	2017-18	2016-17																	
3050	3148	2868	640	00																	
4.2.4	<p>Percentage per day usage of library by teachers and students (foot falls and login data for online access) during the latest completed academic year</p> <p>4.2.4.1. Number of teachers and students using library per day over last one year</p> <p>Answer before DVV Verification : 3156</p> <p>Answer after DVV Verification: 631</p> <p>Remark : DVV has made the changes as per average of teacher and students using library per day on (dates)</p>																				
4.4.1	<p>Average percentage expenditure incurred on maintenance of physical facilities and academic support facilities excluding salary component during the last five years</p> <p>4.4.1.1. Expenditure incurred on maintenance of physical facilities and academic support facilities excluding salary component year wise during the last five years (INR in lakhs)</p> <p>Answer before DVV Verification:</p> <table border="1" data-bbox="306 2040 1046 2089"> <thead> <tr> <th></th> <th></th> <th></th> <th></th> <th></th> </tr> </thead> <tbody> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>																				

2020-21	2019-20	2018-19	2017-18	2016-17
1008.02	1343.68	1711.55	1649.60	1453.27

Answer After DVV Verification :

2020-21	2019-20	2018-19	2017-18	2016-17
708.02	943.68	811.55	849.60	953.27

Remark : DVV has made the changes as per shared audit statement of Expenditure incurred on maintenance of physical facilities and academic support facilities excluding salary , depreciation by HEI.

5.3.1 **Number of awards/medals won by students for outstanding performance in sports/cultural activities at inter-university/state/national / international level (award for a team event should be counted as one) during the last five years.**

5.3.1.1. **Number of awards/medals won by students for outstanding performance in sports / cultural activities at inter-university / state / national / international events (award for a team event should be counted as one) year - wise during the last five years.**

Answer before DVV Verification:

2020-21	2019-20	2018-19	2017-18	2016-17
03	16	10	13	10

Answer After DVV Verification :

2020-21	2019-20	2018-19	2017-18	2016-17
03	16	10	11	9

5.3.3 **Average number of sports and cultural events / competitions organised by the institution per year**

5.3.3.1. **Number of sports and cultural events / competitions organised by the institution year - wise during the last five years.**

Answer before DVV Verification:

2020-21	2019-20	2018-19	2017-18	2016-17
109	60	49	59	39

Answer After DVV Verification :

2020-21	2019-20	2018-19	2017-18	2016-17
56	46	32	36	21

Remark : DVV has considered as one event each from shared report by HEI.

6.3.4	<p>Average percentage of teachers undergoing online/ face-to-face Faculty Development Programmes (FDP)during the last five years (Professional Development Programmes, Orientation / Induction Programmes, Refresher Course, Short Term Course).</p> <p>6.3.4.1. Total number of teachers attending professional development Programmes, viz., Orientation Programme, Refresher Course, Short Term Course, Faculty Development Programmes year wise during last five years</p> <p>Answer before DVV Verification:</p> <table border="1" data-bbox="306 472 1046 607"> <thead> <tr> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> <th>2017-18</th> <th>2016-17</th> </tr> </thead> <tbody> <tr> <td>231</td> <td>219</td> <td>243</td> <td>267</td> <td>191</td> </tr> </tbody> </table> <p>Answer After DVV Verification :</p> <table border="1" data-bbox="306 685 1046 819"> <thead> <tr> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> <th>2017-18</th> <th>2016-17</th> </tr> </thead> <tbody> <tr> <td>199</td> <td>196</td> <td>210</td> <td>207</td> <td>101</td> </tr> </tbody> </table> <p>Remark : DVV has considered 5 days and above FDPs only from shared report by HEI.</p>	2020-21	2019-20	2018-19	2017-18	2016-17	231	219	243	267	191	2020-21	2019-20	2018-19	2017-18	2016-17	199	196	210	207	101
2020-21	2019-20	2018-19	2017-18	2016-17																	
231	219	243	267	191																	
2020-21	2019-20	2018-19	2017-18	2016-17																	
199	196	210	207	101																	
6.4.2	<p>Funds / Grants received from non-government bodies, individuals, philanthropists during the last five years (not covered in Criterion III and V) (INR in Lakhs)</p> <p>6.4.2.1. Total Grants received from non-government bodies, individuals, Philanthropers year-wise during the last five years (INR in Lakhs)</p> <p>Answer before DVV Verification:</p> <table border="1" data-bbox="306 1178 1046 1312"> <thead> <tr> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> <th>2017-18</th> <th>2016-17</th> </tr> </thead> <tbody> <tr> <td>000</td> <td>800</td> <td>475.20</td> <td>000</td> <td>000</td> </tr> </tbody> </table> <p>Answer After DVV Verification :</p> <table border="1" data-bbox="306 1391 1046 1525"> <thead> <tr> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> <th>2017-18</th> <th>2016-17</th> </tr> </thead> <tbody> <tr> <td>000</td> <td>396.00</td> <td>475.20</td> <td>000</td> <td>000</td> </tr> </tbody> </table> <p>Remark : DVV has made the changes as per shared report of Grants received from non-government bodies, individuals by HEI.</p>	2020-21	2019-20	2018-19	2017-18	2016-17	000	800	475.20	000	000	2020-21	2019-20	2018-19	2017-18	2016-17	000	396.00	475.20	000	000
2020-21	2019-20	2018-19	2017-18	2016-17																	
000	800	475.20	000	000																	
2020-21	2019-20	2018-19	2017-18	2016-17																	
000	396.00	475.20	000	000																	

2.Extended Profile Deviations

ID	Extended Questions										
1.2	<p>Number of outgoing / final year students year-wise during last five years</p> <p>Answer before DVV Verification:</p> <table border="1" data-bbox="197 1921 986 2040"> <thead> <tr> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> <th>2017-18</th> <th>2016-17</th> </tr> </thead> <tbody> <tr> <td>1193</td> <td>1115</td> <td>1248</td> <td>1186</td> <td>1189</td> </tr> </tbody> </table>	2020-21	2019-20	2018-19	2017-18	2016-17	1193	1115	1248	1186	1189
2020-21	2019-20	2018-19	2017-18	2016-17							
1193	1115	1248	1186	1189							

Answer After DVV Verification:

2020-21	2019-20	2018-19	2017-18	2016-17
4816	4596	4757	4909	5059

1.3 **Number of students appeared in the examination conducted by the Institution, year-wise during the last five years**

Answer before DVV Verification:

2020-21	2019-20	2018-19	2017-18	2016-17
10138	8978	9254	9613	9842

Answer After DVV Verification:

2020-21	2019-20	2018-19	2017-18	2016-17
4816	4596	4757	4909	5059

1.4 **Number of revaluation applications year-wise during last five years**

Answer before DVV Verification:

2020-21	2019-20	2018-19	2017-18	2016-17
41	146	441	344	427

Answer After DVV Verification:

2020-21	2019-20	2018-19	2017-18	2016-17
27	142	178	154	146

2.1 **Number of courses in all programs year-wise during last five years**

Answer before DVV Verification:

2020-21	2019-20	2018-19	2017-18	2016-17
488	598	592	676	622

Answer After DVV Verification:

2020-21	2019-20	2018-19	2017-18	2016-17
388	498	492	476	422

2.2 **Number of full time teachers year-wise during the last five years**

Answer before DVV Verification:

2020-21	2019-20	2018-19	2017-18	2016-17
248	238	244	300	291

Answer After DVV Verification:

2020-21	2019-20	2018-19	2017-18	2016-17
234	238	237	300	291

NAAC