SELF STUDY REPORT

FOR

2nd CYCLE OF ACCREDITATION

THE OXFORD COLLEGE OF ENGINEERING

BOMMANAHALLI, HOSUR ROAD BANGALORE- 560068
560068
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Submitted To

NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL

BANGALORE

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1. EXECUTIVE SUMMARY

1.1 INTRODUCTION

In pursuit of fulfillment of his ambition to establish an education institution, S. Narasa Raju was instrumental formation of Childrens Education Society registered on 30-9-1974. TOCE is started during the year 2-9-2000.

The Oxford College of Engineering (TOCE) located in the heart of IT-BT corridor of Indian Silicon Valley. It is one of the most prestigious institutions run by the Children's Education Society. TOCE aims at carving competent students with extraordinary caliber to face challenges of the continuous changing world. It provides quality training in professional education in values in Engineering, Management and Computer application streams.

The college campus is set in sprawling 6.25 acres of land, ideal for education In a serene with buildings over 65000 sq.mt.

The college has a dedicated and highly qualified team of faculty who offer quality education ot the students as per the academic scheme of VTU.

The College has 11 Research Centre's approved by VTU equipped with high-end infrastructure to carry out research in cutting edge technologies leading to patents, product and Doctoral degree. and M.Sc. Engineering by research.

The Institution is well known for its ecosystem for Innovation, Product development, IPR, Consultancy & Research and Development activities mentored by IIC, Patent cell and Entrepreneur ship. Various Departments have financial assistance from reputed state (VGST/KSCST/VTU) & Central (DRDO-NRB, DAE-BRNS, AICTE, ICMR, NIF, DBTBIRAC) funding agencies to cater the need of young researchers and students in engineering and management

TOCE has 3 hostels, each assigned for Boys, Girls, NRI and Foreign students.Bank of Baroda is functioning in the campus with 24*7 ATM facility. The Oxford institutions have their own fleet of buses for the benefit of students and faculty from various parts of the city.

Vision

VISION
With a vision to be a respected and sought after group of educational institutions, we are very much engaged in equipping individuals to be capable of building learning organization in the new millennium

Mission

MISSION
Our mission is to develop competent students with good value systems to face challenges of the continuously changing world.

QUALITY POLICY
To equip the students with highest standard of education, knowledge and ethics. To prepare them to meet the challenges of life with full confidence. Aim at all round development of the personality to be useful citizens.

1.2 Strength, Weakness, Opportunity and Challenges(SWOC)

Institutional Strength

1. Good pedogogy initiative supported with seminars, guest lectures' AOC and aptitude and personality building courses to bridge the gap between industry and academia.
2. Well qualified and experienced faculties with industry and academic repute
3. Well Established Internal Quality Assurance Cell with participation of different Stakeholders on Identified 36 Key Areas of the system.
4. Utilization of feed back analyses and recommendations for continuous improvement
5. Rigid schedules of IQAC and its monitoring.
6. Excellent ecosystem for innovation and research with R &D centers supported by government and NGO bodies and state of art infrastructure facility to execute University prescribed syllabi and beyond syllabus activity.
7. Student centric extensive Teaching learning, discipline specific models are practiced in each program.
8. Well established Corporate Relation Management System with good placement record
9. Active IPR cell supporting outcome-based research through product and process patenting, developing awareness on IPR through frequent expert lectures, invited talks from Patent attorneys, active collaboration with IPR office Chennai for sensitizing IPR policy among all stake holders.
10. Institution Innovation Cell to support innovation culture
11. Strong alumni network with active participation in orientation program, motivational talk for juniors, placement, training and placement reference.
12. Excellent governance with competent design of IQAC to meet with Academic goals and third person administrative audit system to enrich quality education.
13. Conscious efforts are made to sensitize the students for social issues through NSS activity, field visits and community service.
14. Well established Outcome based Education system.
15. Good industry and academic interactions
16. Preparedness for National Education Implementation Policy
17. Location of Institution in the heart of IT-BT corridor of Silicon valley of India, easily accessible to corporates industry and Research Institutes with well connected highway and Metro station opening into campus.
18. Excellent student support facility including orientation for placement through mock interview, expert lecture, soft skill training, technical training and company prescribed course.
19. Periodical upgradation of faculty profile with active participation in FDP, FIP, Industry training, capacity building workshops and workshops.
20. Excellent green campus strategy with Green audit certification, effective waste management, plastic free zone, energy conservation methods, Rain harvesting, solar power implementation, recycling of waste water etc.

Institutional Weakness

1. Moderate faculty retention rate
2. Limited autonomy in academic moderation
3. Enrolling of median rank students through K-SET, COMMED K

Institutional Opportunity

1. Autonomous and Deemed University Status
2. Twinning programs with affiliated curriculum to collaborate with MNCs and foreign universities.
3. Leveraging Alumni Potentials
4. Consultancy with Public and Private Sector Companies
5. Establishing Ecosystem for Startup and Entrepreneurship

Institutional Challenge

1. Faculty Attrition rate
2. Globalization of education leading to reduced intake of quality students and entry of foreign universities.
3. Down trend in student enrolment for technical education across India
4. Competition from autonomous and private university.
5. Decreased demand for core Engineering branches.

1.3 CRITERIA WISE SUMMARY

Curricular Aspects

Effective delivery of curriculum is ensured through faculties, calendar of events is prepared on the basis University Calendar of events and adhered to it. College offers CBCS in all the 21 Programmes making at 100% as suggested by affiliating university pattern. In last five years 65 Certificate/Add-on programs are offered, and an average 32.47% of students enrolled in these programs in last 05 years.

Institution integrates itself with issues like Gender, Environment and Sustainability, Human values and Professional Ethics and constituted Cells like Sexual Harassment Elimination Cell, NSS unit, Anti-Ragging committee and conducts community-oriented activities.

In more than 60% of the courses experiential leaning through field work/ project work/ internship are included. 901 students undertaken field work/ project work/ internship during the AY 2020-21.

Through the Feedback Committee feedbacks are collected from Students, Teachers, Employers, Parents and Alumni through structure feedback forms developed by Feedback Committee. Feedback collected are analysed, report is submitted with recommendations to Governing Council through IQAC and action being taken at departmental and institutional level on the recommendations by the governing council. Feedback made available for the benefit of students and teachers on Institutional Website.

Teaching-learning and Evaluation

Student admission process is implemented as per the regulatory rules and guidelines.The college has mechanism for slow and advance learners.in all the courses and programs for slow learners are identified and appropriate remedial drill actions initiated. Advanced learners are encouraged to excel further.

The average pass percentage of students for the last five years is 95.47%,In the last five years the average student enrolment percentage is 52.66.On and average in the last five years the average Seats filled against the sanctioned reserved category is 63%.

Student satisfaction survey are conducted to improve the system on continuous basis.

The college practices effective mentorship system. The mentor list, mentee allotment to mentors and each mentor activities are maintained. the mentor mentee ratio is 01:18

The institutions practices varied student's centric methods like group discussions, quiz, and field visits participation in seminar symposium, self-learning, home assignments, etc.

The institution has appointed teachers complying to regulatory guidelines. During the AY 2020-21, 240 faculties are functioning in the college. Total Teaching Experience is 1544 years and the average teaching experience is 6.43 years.

Out of 240 faculty members 46 are holding Ph.D. Teachers from outside the state and with rich experiences are also appointed. All Teachers use ICT enabled tools.

The college strictly follows the university academic calendar for conduct of continued internal evaluation examination. The college has transparent and robust mechanism to address the exam related grievances.

Program outcome scores outcomes the institution practices outcome based education. All the programs and courses have POs, COs and PEOs are displayed on the website for the use of stakeholders.

The Attainment of POs, COs is conducted on regular basis for continues improvement.

Research, Innovations and Extension

The college has constituted Exclusive research committee for monitoring research activities. Research methodology sessions and intellectual property rights workshops are conducted every year . The college has 46 number of teacher with PhD, has published 234 papers in last five years. Books and chapters authored are 42

The Institute has research centres with 17 research supervisors recognized by University who are guiding 29 research scholars for Ph.D., program and 22 candidates were offered doctoral degree from Institute research centre in last 5 years.

Institute has received total of Rs.1,99,16,222/- funds from 14 funding agencies (NRB,DRDO, BIRAC, BRNS, AICTE, VTU, KSCST, VGST, NIF etc) for 48 research projects.

Percentage of departments having received funds from government and non-government agencies during last 5 years is 50.91.

The institution has NSS wing. The college has constituted Committee for Extension Activities and all the activities of departments are conducted through NSS wing. Good number of students participated in these varied extension activities and are sensitized to social issues.

81 Extension/Outreach Activities are conducted in last 5 years. 76% of students participated in these extension activities. Institution has received 12 awards for extension activities in last 5 years.

Institution has separate cell for collaborations and MOUs. In last 5 years 65 MoUs have been signed and they are function.

Infrastructure and Learning Resources

State of art infrastructure facilities are being created in the campus on 6.25 acres of land, built up area 57945 Sq. Mt.

Recognizing the importance of sports and games for the development of healthy & sound both body and mind, TOCE has established comprehensive facilities for students.

The sporting infrastructure includes Cricket, Football, Tennis, Basketball, Volleyball Grounds and courts. Facilities for indoor games are also available such as table tennis, chess and badminton.

College has 80 class rooms, 11 seminar halls, 53 laboratories and a huge Auditorium with ICT facilities.

During last 5 years Rs 174.93 lakhs has been spend on infrastructure augmentation. Rs 895.43 Lakhs has been spent on maintenance of academic support facilities and Rs. 454.49 for maintenance of physical facilities

There are about 56347 books, 13737 titles, 3085 CDs, 1350 bound volumes and 18 newspapers. Library has Open Access System and fully automated with Libsoft 9.8.software.

Institution has IT facilities with Wi-Fi, >60 Mbps. The e-content development facilities like Handicam. Tripod, TV, Still Camera, Scanner, Internet, Wi-Fi etc. are provided.

Student Support and Progression

For Student Support Services, the college avails and arranges for Government scholarships for deserving students. In last 5 years 42.14% of the students availed benefit from different Govt. departments.

For last 5 academic years, the total number of students benefited by scholarships institution's scheme is 165 and the amount sanctioned is Rs. 5437500.

Grievances Redressal Cell is effectively being implemented. The college has Anti-raging, Women Empowerment, Parent Teacher Cell, Competitive Examination Cell and Placement Cell that are effectively functioning.

Students are encouraged to participate in orientation programs for higher education and competitive examinations.

Total capability building Programs conducted in 5 years-167

For 5 academic years, total number competitive examinations of programs conducted is 30, number of students benefited by the guidance for competitive examinations and career counseling offered by the institution is 2569 and number of students passed in the competitive exam is 41.

Total no of student grievances received during 5 years are 7.

Active Student Council is in place. All the semesters of all the programs Students participate in Student Council Activities. Students actively participate in various activities of the institution through respective committees under IQAC. Students also participate in institutional and inter-institutional Cultural and Sports Activities. The college provides appropriate facilities to participate in cultural, Sports and to show the hidden talents.

The College Has well established Alumni Association and Alumni participate in varied Institutional development activities including Curriculum content delivery, placement, higher education orientation and entrepreneurship and internship

The college conducts Sector-wise Parent-Teachers meet regularly in all the departments. To Enhance the Teaching Learning Process and to support the students. A strong mechanism is of Mentorship and Slow and Advanced Learners is initiated.

Students participate in Governance through different Committees on Internal Quality Assurance Cell. Students also participate in rigorous Extension activities through NSS.

Encouragement for Competitive Examination and Higher Education and Research is strongly practiced.

For 5 academic years, total of 4264 Alumni students are registered in Alumni Association with a total contribution of Rs. 21,32,000.

Governance, Leadership and Management

The system is decentralized for a better governance and performance. The programs are accredited by the NBA. The effective leadership is visible in various institutional practices such as decentralization and participative management.

The college has several committees/sub committees and duly represented by faculty industry experts, alumni, parents, and students to monitor and guide the academic and administrative activities under IQAC.

The institute has prepared a strategic plan to fulfil the infrastructure of the institute, academic development,

extra-curricular activities, sports, and culture, and has defined targets for the infrastructural facilities and academic development of the institute. These targets have been set with extensive consultation with all stakeholders, staff, faculty, alumni, The college has a membership to access the VTU library. The college subscribes to most of the major technical journals, useful for researchers in various departments. Moreover, NPTEL video classes are also available.

SERVICE-RULES: are available and implemented.

e-governance is implemented in areas of operation Administration, Finance and Accounts, Student Admission and Support, Examination.

The institution has effective welfare measures for teaching and non-teaching staff. Employee Provident Fund (EPF): Health Benefits: Group Insurance: Free Health Card, Transport facility: Leaves: Casual leave: ,Earned leave: ,Maternity Leaves, Compensatory leaves, There is COVID Testing centre at the College organized along with the BBMP officials , Fire alarm system, and Emergency, exit and CCTV cameras are installed at the Institution. Bank and ATM, Number of teachers provided with financial support to attend conferences/workshops and.

Self appraisal mechanism available.

Quality assurance initiatives of the institution include:

Regular meeting of Internal Quality Assurance Cell (IQAC);

Collaborative quality initiatives with other institutions

Participation in NIRF, other quality audit recognized by state, national or international agencies, such as ISO certification, etc.

Institutional Values and Best Practices

The Institution organizes various gender sensitization program and activities to create awareness about gender issues in the campus and awareness within the student community.

Activities like Annual sports meet, Intramural sports activities, cultural events are organised to promote gender equity.

Security for students and staff is provided by various means CCTV camera for staff– Security guards Fire extinguishers-.

ID cards for students- Centralised SMS system through the ERP ensures that all Women's grievance redressal cell and Anti sexual Harassment Committee Anti -ragging squad Separate girls' common room Health care Separate girls' and boys' hostel

Alternate sources of energy and energy conservation measures are Solar energy Biogas plant, Wheeling to the Grid, Sensor-based energy conservation, Use of LED bulbs/ power efficient equipment

Facilities for the management of degradable and non-degradable waste-Solid waste management, Liquid waste management, Biomedical waste management, E-waste management, Waste recycling system, Hazardous chemicals and radioactive waste management, are provided

Let's go green and keep our campus green' many initiatives have been implemented like – Use of renewable energy, usage of plastic is been reduced to minimum in the campus. Campus is also tobacco free zone, water purified and discharged from the sewage treatment plant is reused.

Water conservation facilities available in the Institution: Rain water harvesting, Borewell /Open well recharge, Construction of tanks and bunds, Waste water recycling, Maintenance of water bodies and distribution system in the campus.

Green campus initiatives include: Restricted entry of automobiles, Use of Bicycles/ Battery powered vehicles, Pedestrian Friendly pathways, Ban on use of Plastic, landscaping with trees and plants,

Quality audits on environment and energy are regularly undertaken -: Green audit. Energy audit, Environment audit.

Clean and green campus recognitions / awards Beyond the campus environmental promotion activities The Institution has disabled-friendly, barrier free environment

Built environment with ramps/lifts for easy access to classrooms.

Divyangjan friendly washrooms, screen-reading software, mechanized equipment, Provision for enquiry and information: Human assistance are available.

The campus provides an inclusive environment for students and faculty.

2. PROFILE

2.1 BASIC INFORMATION

Name and Address of the College	
Name	THE OXFORD COLLEGE OF ENGINEERING
Address	Bommanahalli, Hosur Road Bangalore- 560068
City	Bangalore
State	Karnataka
Pin	560068
Website	theoxfordengg.org

Contacts for Communication					
Designation	**Name**	**Telephone with STD Code**	**Mobile**	**Fax**	**Email**
Principal	N. Kannan	080-61754604	9443834087	080-6175460 4	engprincipal@theo xford.edu
IQAC / CIQA coordinator	R. China Appala Naidu	080-9845788599	9490926956	080-6175450 1	engprinicipal@the oxford.edu

Status of the Institution	
Institution Status	Private and Self Financing

Type of Institution	
By Gender	Co-education
By Shift	Regular

Recognized Minority institution	
If it is a recognized minroity institution	Yes PROCEEDINGS OF THE GOVENMENT OF KARNATAKA - RECOGNITION OF MINORITY STATUS.pdf
If Yes, Specify minority status	
Religious	
Linguistic	Telugu Linguistic Minority Institution
Any Other	

Establishment Details	
Date of establishment of the college	04-09-2000

University to which the college is affiliated/ or which governs the college (if it is a constituent college)

State	University name	Document
Karnataka	Visvesvaraya Technological University	View Document

Details of UGC recognition

Under Section	Date	View Document
2f of UGC	02-06-2015	View Document
12B of UGC		

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

Statutory Regulatory Authority	Recognition/Approval details Institution/Department programme	Day,Month and year(dd-mm-yyyy)	Validity in months	Remarks
AICTE	View Document	10-07-2021	12	

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Details of autonomy	
Does the affiliating university Act provide for conferment of autonomy (as recognized by the UGC), on its affiliated colleges?	No

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

Location and Area of Campus				
Campus Type	**Address**	**Location***	**Campus Area in Acres**	**Built up Area in sq.mts.**
Main campus area	Bommanahalli, Hosur Road Bangalore- 560068	Urban	6.25	57945

2.2 ACADEMIC INFORMATION

Details of Programmes Offered by the College (Give Data for Current Academic year)						
Programme Level	Name of Programme/Course	Duration in Months	Entry Qualification	Medium of Instruction	Sanctioned Strength	No.of Students Admitted
UG	BE,Information Science And Engineering	48	Pass in PUC /10+2 or equivalent	English	120	120
UG	BE,Computer Science And Engineering	48	Pass in PUC /10+2 or equivalent	English	180	171
UG	BE,Electronics And Communication Engineering	48	Pass in PUC /10+2 or equivalent	English	120	105
UG	BE,Electrical And Electronics Engineering	48	Pass in PUC /10+2 or equivalent	English	60	21
UG	BE,Mechanical Engineering	48	Pass in PUC /10+2 or equivalent	English	60	16
UG	BE,Biotehnology	48	Pass in PUC /10+2 or equivalent	English	60	52
UG	BE,Civil Engineering	48	Pass in PUC /10+2 or equivalent	English	60	17
UG	BE,Mechatronics	48	Pass in PUC /10+2 or equivalent	English	60	10
UG	BE,Artificial Intelligence And Machine Learning	48	Pass in PUC /10+2 or equivalent	English	60	47
PG	Mtech,M Tech Artificial	24	Pass in BE/B.Tech in the	English	18	0

	Intelligence And Machine Learning		relevant discipline			
PG	Mtech,M Tech Cyber Security	24	Pass in BE/B.Tech in the relevant discipline	English	18	0
PG	Mtech,M Tech Vlsi Design And Embedded System	24	Pass in BE/B.Tech in the relevant discipline	English	18	0
PG	Mtech,M Tech Power Electronics	24	Pass in BE/B.Tech in the relevant discipline	English	18	0
PG	Mtech,M Tech Structural Engineering	24	Pass in BE/B.Tech in the relevant discipline	English	18	13
PG	MBA,Mba	24	3 Years Bachelor's Degree in any discipline	English	120	87
PG	MCA,Mca	24	3 Years Bachelor's Degree in any discipline	English	120	119

Position Details of Faculty & Staff in the College

Teaching Faculty											
	Professor				**Associate Professor**				**Assistant Professor**			
	Male	Female	Others	Total	Male	Female	Others	Total	Male	Female	Others	Total
Sanctioned by the UGC /University State Government				0				0				0
Recruited	0	0	0	0	0	0	0	0	0	0	0	0
Yet to Recruit				0				0				0
Sanctioned by the Management/Society or Other Authorized Bodies				26				27				169
Recruited	15	11	0	26	9	18	0	27	55	114	0	169
Yet to Recruit				0				0				0

Non-Teaching Staff				
	Male	**Female**	**Others**	**Total**
Sanctioned by the UGC /University State Government				0
Recruited	0	0	0	0
Yet to Recruit				0
Sanctioned by the Management/Society or Other Authorized Bodies				39
Recruited	14	25	0	39
Yet to Recruit				0

Technical Staff				
	Male	**Female**	**Others**	**Total**
Sanctioned by the UGC /University State Government				0
Recruited	0	0	0	0
Yet to Recruit				0
Sanctioned by the Management/Society or Other Authorized Bodies				0
Recruited	14	6	0	20
Yet to Recruit				0

Qualification Details of the Teaching Staff

Permanent Teachers										
Highest Qualification	**Professor**			**Associate Professor**			**Assistant Professor**			
	Male	Female	Others	Male	Female	Others	Male	Female	Others	Total
D.sc/D.Litt/ LLD/DM/M CH	0	0	0	0	0	0	0	0	0	0
Ph.D.	15	11	0	6	10	0	2	5	0	49
M.Phil.	0	0	0	0	0	0	1	4	0	5
PG	0	0	0	3	8	0	52	105	0	168
UG	0	0	0	0	0	0	0	0	0	0

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

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

Details of Visting/Guest Faculties				
Number of Visiting/Guest Faculty engaged with the college?	Male	Female	Others	Total
	1	1	0	2

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	1180	225	0	0	1405
	Female	778	72	0	0	850
	Others	0	0	0	0	0
PG	Male	165	78	0	0	243
	Female	135	29	0	0	164
	Others	0	0	0	0	0

Provide the Following Details of Students admitted to the College During the last four Academic Years

Category		Year 1	Year 2	Year 3	Year 4
SC	Male	14	4	43	31
	Female	19	2	15	14
	Others	0	0	0	0
ST	Male	11	1	9	5
	Female	0	1	7	2
	Others	0	0	0	0
OBC	Male	118	57	112	115
	Female	92	36	69	43
	Others	0	0	0	0
General	Male	224	397	289	384
	Female	155	240	188	190
	Others	0	0	0	0
Others	Male	0	0	0	0
	Female	0	0	0	0
	Others	0	0	0	0
Total		633	738	732	784

Institutional preparedness for NEP

| 1. Multidisciplinary/interdisciplinary: | In the dynamic and competitive environment, it is very challenging for the Engineering Education Institutes to prepare future leaders and engineers, to follow the rhythm of the fast and global development. The present-day Engineers should have the capability to deal with global issues and address sophisticated, multidisciplinary and multicultural problems. such education will help develop well-rounded individuals that possess critical 21st century capacities in various domains of Engineering to achieve this, the Institute has initiated multidisciplinary and Interdisciplinary approach in the curriculum to highlights the diverse perspectives of various Engineering domains, it is a unique educational approach that allows the students to learn & explore distinct subjects or curriculum from various disciplines by providing a platform for Industry-Academia event interaction, by inviting domain experts, researchers and innovators from academia, R&D and industry in the related fields and creating a forum for knowing what is happening in the research arena, to identify and conceptualize new ideas and to share their valuable findings and thoughts. These approach helps in preparing our students for today's hyper-competitive world, Multi-disciplinary education allows our students to understand the power of new ideas and the privilege to Choose the domain of their interest. It helps them develop a pragmatic attitude by allowing them to decide what subjects they will opt for and what could be their possible benefits providing a pragmatism and flexibility. In conclusion, combining or involving several academic disciplines or professional specializations in approach to solve a specific problem relating the knowledge from various branches. In the present curriculum Visvesvaraya Technological University promoted Choice Based Credit System (CBCS) in such a way that different open elective courses should be offered by every department to other departments. This interdisciplinary of learning open elective courses by other department students will enhance learning awareness and job-oriented benefits. The main advantages include • Selection of elective courses of their own choice. • Opportunity to opt for an interdisciplinary approach to learn a subject. • Focus on enhancing their skills and more scope of taking up case studies, projects and assignments, vocational training including entrepreneurship in the area of |

	their interest. • Enhances the job opportunities and helps potential employers assess the performance of students on a scientific scale.
2. Academic bank of credits (ABC):	Students are allowed to study across the Higher Educational Institutions in the country with credit transfer mechanism from one programme to another to get the degree or Diploma or PG diploma. It is known as academic mobility and it is as per National Education Policy 2020. According to this policy the credits earned by the students are deposited in the students accounts so that it will be accessed by other institutions. As per the policy the academic bank credits can only be shared by the institutions not by the students. The credits which are deposited by the authorized institutions alone will be considered for storage and validation by the ABC. The storage will not be considered for the unauthorized institutions. ABC will provide learners to open unique or individual Academic Bank Accounts in digital form, after which they will be given a unique ID and access to the Standard Operating Procedure (SOP). The main features of the ABC are: The integrity is maintained by the academic institutions for the credits. Students credits are maintained with confidentiality. The transfer of credits are easy with digital mode. Based on the policy the students are having multiple entry and exit options. Because of this students those who have enrolled in undergraduate and postgraduate programmes are allowed to exit and enter within the stipulated period. Students are allowed to earn 50 percentage of the credits from outside their college or university . As per the policy the students are allowed to earn their credits using both online and offline mode. They can earn credits from various HEIs registered under this scheme and through SWAYAM. "The flexibility in academic programmes will enable students to seek employment after any level of award and join back as and when feasible to upgrade qualification and also curtail dropout rate and improve Gross Enrolment Ratio (GER) in higher education," reads the official statement.
3. Skill development:	INTRODUCTION TO C-BASED APPLICATIONS Course description: This Skill lab provides basic skills in C-Programming for developing many gaming console applications such as Tic-Tac-Toe and other gaming apps, Database applications and

Computer Graphics applications. Course aim: To provide students with basic knowledge and skills in C-Programming Application. Course objective: • To make students familiar with the basic concepts and terminology of the target area, C based Applications • To give students an understanding the Gaming console applications, DB and CG programming. • To teach students to app development. Learning outcomes: • Work effectively as part of a team to develop and deliver quality software artifacts. • Apply computing theory and programming principles to practical software design and development. • Analyze, design, implement, and evaluate a computer-based system, process, component, or program to meet desired needs. • Identify problems and formulate solutions for systems and organizations while reconciling conflicting objectives and finding compromises. Course Content – Lectures • Introduction to C-Programming • Basic advance c Concepts • Gaming console development • Database applications • Computer graphics applications Practice Sessions • C programming • Programs on data structures • Pointers based programs • Relational Database management Systems • GUI Applications INTRODUCTION TO EMBEDDED SYSTEM DESIGN Course description: It forms basic skills in embedded systems design. Those skills are usable in designing digital control units for consumer electronics, industrial automation, telecommunication systems, etc. The practical part of the course is conducted in a specialized laboratory equipped with the Texas Instruments Kits and code composer studio setup. Course aim: To provide students with basic knowledge and skills in embedded systems design. Course objective: • To give students an understanding of the embedded system architecture. • To acquaint students with methods of executive device control and to give them opportunity to apply and test those methods in practice. Learning outcomes: • Understand basic concepts in the embedded computing systems area; • Determine the optimal composition and characteristics of an embedded system; • Develop hardware-software complex with the use of the Texas Instrument Kits Course Content Lectures • Introduction to embedded systems. • Basic Programming Concepts • Fundamentals of Motor Control • 3D printer based prototype • Photonic Chip

	design Practice Sessions • Familiarization of the Software • Simple Arithmetic, Logical • Simple Programs to do Motor Control Experiments • CATIA tools • MEEP Tools SHEET METAL &CARPENTARY LAB Course description: This lab helps to understand and build new techniques of sheet metal design and they can apply knowledge in production industries. This lab undergoes twice every week. Outcomes: Students are encouraged and developing their practical skills in Mechanical industries and also able to tackle real life scenarios. Industrial Automation & Robotics This lab aims to operate the robotics arm for various mechanical operations and the students were taught about how to build body parts of the robotics arm by using 3D Printing technology and assemble the arm, body and wrist of the robot to perform its operations of robotic arm. Objectives: • Continuous Path Programming on two solid models using Robotic Arm • Continuous Path Programming on a solid model using Robotic Arm
4. Appropriate integration of Indian Knowledge system (teaching in Indian Language, culture, using online course):	In the view COVID-19 Pandemic, the online classes for all the semester students were conducted throughout the institution by M S TEAMS platform. More than 100 webinars were also conducted in all the departments throughout the institution. The webinars/FDPSs were also conducted through the mode of M S TEAMS platform. Indian Knowledge System (IKS) is an innovative cell under which is formed under the Ministry of Education (MoE) at AICTE, New Delhi. Indian Knowledge System is established to promote interdisciplinary research on all aspects of IKS, preserve and disseminate IKS for further research and societal applications. It will actively engage for spreading the rich heritage of our country and traditional knowledge in the field of Engineering, Technology, Agriculture, Arts and literature etc. "Knowledge of India" will include knowledge from ancient India and modern India, and a clear sense of India's future aspirations with regard to education, health, environment, etc. These elements will be incorporated in an accurate and scientific manner throughout the college curriculum wherever relevant; in particular, Indian Knowledge Systems, including tribal knowledge and indigenous and traditional ways of learning, will be covered and included in mathematics, astronomy, philosophy,

	yoga, architecture, medicine, agriculture, engineering, linguistics, literature, sports, games, as well as in governance, polity, conservation. Specific courses in tribal ethno-medicinal practices, forest management, traditional (organic) crop cultivation, natural farming, etc. will also be made available. Language, of course, is inextricably linked to art and culture. In particular, languages influence the way people of a given culture speak with others, including with family members, authority figures, peers, and strangers, and influence the tone of conversation. The tone, perception of experience, and familiarity inherent in conversations among speakers of a common language are a reflection and record of a culture. Art, in the form of literature, plays, music, film, etc. cannot be fully appreciated without language. In order to preserve and promote culture, one must preserve and promote a culture's languages. Unfortunately, Indian languages have not received their due attention and care, with the country losing over 220 languages in the last 50 years alone. UNESCO has declared 197 Indian languages as 'endangered'. Various unscripted languages are particularly in danger of becoming extinct. When senior member(s) of a tribe or community that speak such languages pass away, these languages often Proficiency in Indian languages will be included as part of qualification parameters for employment opportunities. perish with them; too often, no concerted actions or measures are taken to preserve or record these rich languages/expressions of culture. All languages in India, and their associated arts and culture will be documented through a web-based platform/portal/wiki, in order to preserve endangered and all Indian languages and their associated rich local arts and culture. The platform will contain videos, dictionaries, recordings, and more, of people (especially elders) speaking the language.
5. Focus on Outcome based education (OBE):	The College has well defined Course Outcomes (COs) for all courses, which are statements to describe the competencies students gain during the course.The main purpose of the outcome-based-education (OBE) is in achieving outcomes through an organised system and aligning to one or more Program Outcomes (POs). The Heads of department and faculty discuss POs, COs and Program Specific Outcomes (PSOs) of the programs and implement

appropriate pedagogic strategies. The COs are designed as per the affiliating university prescribed syllabus and by employing Bloom's taxonomy verbs and levels. All the Courses have around five to six COs and these are correlated to the Program Outcomes (POs). The Course Outcomes are framed and stated in such a way that they can be actually measured. For example the course of fifth semester 'Data base management system' of CSE department has the following course outcomes. "Provide a strong foundation in database concepts, technology, and practice. Practice SQL programming through a variety of database problems. Demonstrate the use of concurrency and transactions in database. Design and build database applications for real world problems". The college displays POs, COs and PSOs on the website, notice boards, hand books and also inform students during the orientation Programme at the beginning of every semester. Alumni interactions also provide an opportunity to get feedback and helps in improvement in the same. The faculty deploys different learning processes on a continuous basis to achieve the desired outcomes by adopting relevant pedagogical strategies and continuous monitoring. The add-on courses fill the gaps if any in the Course. Normally, assessment is made in two methods, direct and indirect. The direct method, considers the performance of the student in 3 internal assesmement tests (CIE), University exams (SEE), seminars, project work and laboratory tests. It focusses on attainment of course outcomes. Seminars and Project work evaluation provides extra measures to evaluate the outcomes. Indirect assessment is based on feedback received from students at the end of each semester and Course.The exit survey data and feedback helps to review and incorporate modifications for proper outcomes of the course. The college helps students to succeed in State, National, and International competitive exams such as GATE and Engineering Services etc, by providing the necessary Academic and Infrastructural support. The faculty is allowed to participate in workshops, conducted by subject experts so as to enable them achieve the desired outcome of the course. POs ensure competencies, expertise and attainment of Program Educational Outcomes (PEOs) in graduate after completion of the program. Program Educational Objectives are statements that describe

	the career and professional achievement, the program allows the graduates to achieve. The PEOs are framed on the basis of feedback from all the stakeholders and reviewed to ensure continuing suitability, adequacy and effectiveness. The students are hired during the final year by reputed organizations. It enables them to grow up the ladder and blossom into a professional.
6. Distance education/online education:	ICT and use of online education as the part of compulsory teaching-learning process during COVID lockdown. In the face of COVID-19, the shared vision of education system realized that during the pandemic period, teachers and students are motivated to adapt online teaching-learning platforms in fulfilling the current educational needs. The Oxford College of Engineering has adapted Microsoft Teams of Office 365 was used a media to teach students via online mode. College has procured various ICT devices such as Smart boards, smart slates to make online classes more interesting and interactive. Beyond Curriculum Initiatives: Each department conducted webinars/webEx classes in association with various industry partners to train state of the art industry tools and technologies. College has also conducts many FDPs and SDPs through virtual modes. National Conference NCSEM-20 was also organized effectively through virtual mode. Placement Training and recruitments: Industries are also given soft skills and technical skills training through Microsoft teams. More than 100 software/Hardware companies had conducted recruitment drives in online mode effectively. TOCE has got record breaking placements during lockdown of around 500+ placement offers to Engineering, MBA and MCA students. Teaching through online resources TOCE has went on undertakings MOUs with various online and distance leanings and certification courses for learning beyond the curriculum. 1. Swayam-NPTEL Local Chapter 2. MOU with FutureSkills prime 3. Udemy 4. Coursera Massive Open Online Courses (MOOCs) A massive open online course (MOOC) is a model for delivering learning content online to any person who wants to take a course, with no limit on attendance. 1. Social networking facilitation of acknowledged expert(s) in a field of study 2. Freely accessible online resources. 3. Hundreds to thousands of registered students. 1.

Swayam-NPTEL Local Chapter stated in college The Swayam- NPTEL Local Chapter has been registered on 23-02-2021 and same has been approved by the NPTEL coordinator, IIT Madras with a college approved id 4351. College Single Point of Contact (SPOC) Dr. M S Shashidhara has taken the lead to promote courses among staff and students. Around 200+ students and staffs are registering in every semester for various courses of their choices available in NPTEL. 2. Udemy: Choose from 185,000 online video courses with new additions published every month in Udemy portal. TOCE encouraged students to learn and get certification in order ready for industry absorption and staff to acquire higher knowledge. The sample certificate is enclosed. 3. FutureSkills Prime: "A skilling ecosystem focused on emerging technologies, powered by a partnership between the Ministry of Electronics and Information Technology, Government of India, NASSCOM, and the IT industry. It seeks to propel India to become a global hub of talent in emerging technologies." The Oxford College of Engineering has an MOU with FutureSkills Prime to up skill our students. Dr Sandhya Chintala Executive Director IT- ITeS Sector Skills Council NASSCOM and Dr. N Kannan, Principal, TOCE has signed MOU document on 4th June, 2022.

Extended Profile

1 Program

1.1

Number of courses offered by the Institution across all programs during the last five years

2020-21	2019-20	2018-19	2017-18	2016-17
678	635	631	644	599
File Description			Document	
Institutional data prescribed format			[View Document](#)	

1.2

Number of programs offered year-wise for last five years

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

2 Students

2.1

Number of students year-wise during last five years

2020-21	2019-20	2018-19	2017-18	2016-17
2616	2718	2791	3130	3402
File Description			Document	
Institutional data in prescribed format			[View Document](#)	

2.2

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
331	333	333	347	347

File Description	Document
Institutional data in prescribed format	View Document

2.3

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

2020-21	2019-20	2018-19	2017-18	2016-17
794	845	837	890	938

File Description	Document
Institutional data in prescribed format	View Document

3 Teachers

3.1

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

2020-21	2019-20	2018-19	2017-18	2016-17
211	214	239	269	286

File Description	Document
Institutional data in prescribed format	View Document

3.2

Number of sanctioned posts year-wise during last five years

2020-21	2019-20	2018-19	2017-18	2016-17
240	270	285	303	311

File Description	Document
Institutional data in prescribed format	View Document

4 Institution

4.1

Total number of classrooms and seminar halls

Response: 85

4.2

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

2020-21	2019-20	2018-19	2017-18	2016-17
623.43	623.66	681.84	695.19	773.14

4.3

Number of Computers

Response: 1046

4. Quality Indicator Framework(QIF)

Criterion 1 - Curricular Aspects

1.1 Curricular Planning and Implementation

1.1.1 The Institution ensures effective curriculum delivery through a well planned and documented process

Response:

The Oxford College of Engineering (TOCE) is affiliated to Visvesvaraya-Technological-University (VTU), Belagavi. It offers academic programme of high quality in nine UG programs. For the Post Graduate programs there are ten M-Tech programs, MBA, MCA and Research Programme (Ph.D.) in twelve disciplines.

The College adheres to the Curriculum and Syllabus prescribed by the university. The principal conducts meeting with the Heads of Departments before the beginning of every semester to finalize various strategies for effective implementation of the curriculum. Academic Calendar is prepared by the Committee based on VTU Academic Calendar. The calendar contains the details of academic and Co-curricular events planned for the entire academic year. The details of date of commencement of the academic session, duration of semester, internal assessment tests and final semester examinations are also taken care in the curriculum.

The Time-table is prepared by the Committee as per the teaching schedule of the University. The faculty along with HODs conduct their internal meetings and develop academic plans, lesson plans, and course files for the ensuing semester-wise academic planning. The departments systematically design and develop action plans for effective implementation of the curriculum.

Action plan:

- The lesson plans are prepared according to the curriculum and College Time-table is prepared for each semester.

- The syllabus coverage and course delivery are monitored continuously based on the lesson plans by the Review Committee and the discrepancies found if any intimated to HODs for redressal.
- PEOs, POs, PSOS and CSOs are defined in all the Programs/Courses. The faculty is encouraged to complement conventional teaching methods with innovative teaching strategies such as presentations, assignments, discussions, workshops, seminars and industrial visits. Expert Lectures, NPTEL lectures, extensive use of ICT tools and other pedagogical practices play an important role in achieving desired COs.
- The attainment of COs, POs and PSOs is measured by direct and indirect tools.

- To bridge the gap between the industry requirements and curriculum, the college has introduced Workshops, Guest Lectures, Seminars, Conferences, Paper Presentations, Soft Skills Training Programs Add-on/Certificate programs to enable students acquire market-relevant skills.
- Academic audit is held at department and institution level to maintain efficacy.
- The student's feedback is obtained on faculty, content delivery and course outcomes to improve

teaching learning process.

- The result analysis is conducted after every semester.
- Remedial classes are held for slow-learners to ensure their excellent academic performance.
- Standard operating procedure is followed in labs.
- The institution organizes various extension activities to instill social responsibility amongst students.
- Minimum of three/four tests per semester are held to prepare the students for final exams.

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

1.1.2 The institution adheres to the academic calendar including for the conduct of CIE

Response:

The Oxford college of Engineering is affiliated to VTU. Academic calendar is framed by the committee of calendar of events under IQAC, along with HOD's of departments and senior facultystrictly adhering University academic calendar, which is provided for every semester at the beginning of the academic year. VTU academic calendar consists of instructions for both UG and PG regarding the re-opening date of semester, the commencement of academic activities, external practical examination and final Semester End examination.

The institution level academic calendar includes re-opening and closing date of semester as per VTU, three CIE dates, dates for events planned by the college such as technical fest, workshop, conference, cultural event, regular class time-table and lab time-table, industry visits, games, events, Parents teachers meeting, FDP, national and regional government holidays, University Practical exam commencement and end date, University theory exam commencement and end date and Valuation work schedule.While preparing the calendar, compliance of previous semesters' academic calendars and deviations, if any, are taken in to consideration for further improvement.All departments abide to the academic calendar for conduct of CIE duly planning the events accordingly. The academic activities start with subject allotment process based on the specialization of the faculty. The time table is prepared and circulated among staff and students. The faculty planfor the curriculum and mode of delivery, study materials and prepares the lesson plan.

Academic Committee consisting of The Principal and Heads of all the departments supervise all courses at macro level and ensure proper teaching learning methodologies. The HODs monitor Academics, Co-curricular and Extra-curricular activities at micro level.

Complete schedule of both theory and practical exams afterproper planningis forwarded to the examination section for the approval by IQAC. After analysing internal examination results, slow and advanced learners are identified.

The academic calendar helps to:

- Commencement of class and orientation and Mandatory Induction programme as specified by the University.

- Prepare lesson plans so as to enable proper handling the classes of all the programs.
- Prepare class and lab time table.
- Complete syllabus on time and enable the students to prepare well for the exam.
- Know CIE and examination schedules.
- Conduct co-curricularlike student chapter activities and extracurricular activities like NSS, NCC, and Blood Donation Camps.
- Know deadlines of all the activities.
- Keep track of important dates throughout the semester.
- Time management and effective utilization of resources.
- Improve the performance in all the spheres based on the experience of events conducted in previous academic year.
- Maintain uniformity in conducting events among all engineering branches.
- Conduct mandatory Additional Activities as per University guidelines. MOOCs activities, NPTEL courses, IIT-Bombay Spoken Tutorial Project, etc.

Feedback from the students is solicited at the end of every semester and necessary measures taken to improve the quality of teaching. The performance ofstudents in Theory, Laboratory, Project, Seminar and Internship courses is continuously monitored to bridge the curriculum gap.

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

1.1.3 Teachers of the Institution participate in following activities related to curriculum development and assessment of the affiliating University and/are represented on the following academic bodies during the last five years

1. Academic council/BoS of Affiliating university
2. Setting of question papers for UG/PG programs
3. Design and Development of Curriculum for Add on/ certificate/ Diploma Courses
4. Assessment /evaluation process of the affiliating University

Response: A. All of the above

File Description	Document
Institutional data in prescribed format	[View Document](#)
Details of participation of teachers in various bodies/activities provided as a response to the metric	[View Document](#)
Any additional information	[View Document](#)
Link for Additional information	[View Document](#)	

1.2 Academic Flexibility

1.2.1 Percentage of Programmes in which Choice Based Credit System (CBCS)/ elective course system has been implemented

Response: 100

1.2.1.1 **Number of Programmes in which CBCS / Elective course system implemented.**

Response: 21

File Description	Document
Minutes of relevant Academic Council/ BOS meetings	[View Document](#)
Institutional data in prescribed format	[View Document](#)
Any additional information	[View Document](#)
Link for Additional information	[View Document](#)	

1.2.2 Number of Add on /Certificate programs offered during the last five years

Response: 65

1.2.2.1 **How many Add on /Certificate programs are offered within the last 5 years.**

2020-21	2019-20	2018-19	2017-18	2016-17
5	7	10	21	22

File Description	Document
List of Add on /Certificate programs	[View Document](#)
Brochure or any other document relating to Add on /Certificate programs	[View Document](#)
Any additional information	[View Document](#)
Link for Additional information	[View Document](#)

1.2.3 Average percentage of students enrolled in Certificate/ Add-on programs as against the total number of students during the last five years

Response: 32.48

1.2.3.1 **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
362	646	796	1685	1444

File Description	Document
Details of the students enrolled in Subjects related to certificate/Add-on programs	[View Document](#)
Any 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 Oxford College of Engineering, Bangalore has incorporated various types of courses into the curriculum to integrate cross-cutting issues such as gender, environment and sustainability, human values, and professional ethics, resulting in the holistic development of students.

Some of the courses aim to enhance professional competencies, while many others strive to instil general skills and knowledge such as social ethical values, human values, environmental sensitivity, and so on. Education in ethics aids in educational system management and ensures that these habits constructively contribute to human well-being.

The institution has strived to provide value-based education for students in order to assist them

comprehend moral values and professional ethics, with the purpose of strengthening values for a better citizen. Students in all engineering programmes are taught a variety of courses in order to instil and practise human values and professional ethics. Organizing blood donation camps, health check-up camps, hygiene and health seminars, visits to old age homes, environmental awareness camps, river cleanliness drives, workshops on social concerns, public health, gender issues, and so on are examples of social development activities.

The faculty in charge is in control of the campus's activities. Gender equality safeguards women and girls against violence. It is required for economic growth. Men and women are treated equally in societies that are safer and healthier.

To provide counselling to students, promote gender equity among students, and address issues concerning the safety and security of female students, staff, and faculty, the college has a women's grievance cell and a grievance redressal cell. On the college campus, CCTV and high-level security are in place. To ensure the safety of all students, there are separate boys' and girls' hostels on campus. They've talked about love, responsibility, respect, relationships, perseverance, self-discipline, courage, honesty, and kindness. A variety of activities, such as the International Literary Day observance, are used to educate students about gender equality issues.

Environmental sustainability is defined as responsible interaction with the environment in order to avoid resource depletion or deterioration and to ensure long-term environmental quality.

To enhance awareness of environmental and sustainability issues, a variety of activities were organised for students from all programmes, including seminars, workshops, guest lectures, company visits, and field excursions. Covid-19 Vaccination Awareness Campaign, Road Safety Awareness Campaign, Environment Day Campaign to Save Water, Save Lives Sound Pollution Awareness, Traffic Awareness, Clean India Campaign, Plastic Awareness Campaign are some of the issues that need to be addressed.

Go Green Initiative, Traffic Awareness Program, Government Acts and Schemes are all part of Swatch Bharat. Plastic materials can be dangerous to Your Health, Energy Conservation Awareness Swachh Bharat Abhiyan, Traffic Awareness Campaign Covid-19 Awareness Programme: Save Water, Save the Environment Every year, Earth Day and Water Day are commemorated, with students taking part in the festivities. Periodically, workshops and seminars on various topics of environmental sustainability are held.

File Description	Document
Upload the list and description of courses which address the Professional Ethics, Gender, Human Values, Environment and Sustainability into the Curriculum.	[View Document](#)
Any additional information	[View Document](#)

1.3.2 Average percentage of courses that include experiential learning through project work/field work/internship during last five years

Response: 3.38

1.3.2.1 Number of courses that include experiential learning through project work/field work/internship year-wise during last five years

2020-21	2019-20	2018-19	2017-18	2016-17
25	25	26	15	17

File Description	Document
Programme / Curriculum/ Syllabus of the courses	[View Document](#)
MoU's with relevant organizations for these courses, if any Average percentage of courses that include experiential learning through project work/field work/internship	[View Document](#)
Minutes of the Boards of Studies/ Academic Council meetings with approvals for these courses	[View Document](#)
Any additional information	[View Document](#)

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

Response: 31

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

Response: 811

File Description	Document
List of programmes and number of students undertaking project work/field work/ /internships	[View Document](#)
Any additional information	[View Document](#)

1.4 Feedback System

1.4.1 *Institution obtains feedback on the syllabus and its transaction at the institution from the following stakeholders 1) Students 2)Teachers 3)Employers 4)Alumni*

Response: A. All of the above

File Description	Document
Any additional information (Upload)	[View Document](#)
Action taken report of the Institution on feedback report as stated in the minutes of the Governing Council, Syndicate, Board of Management (Upload)	[View Document](#)
URL for stakeholder feedback report	[View Document](#)

1.4.2 Feedback process of the Institution may be classified as follows: Options:

   1. **Feedback collected, analysed and action taken and feedback available on website**
   2. **Feedback collected, analysed and action has been taken**
   3. **Feedback collected and analysed**
   4. **Feedback collected**
   5. **Feedback not collected**

Response: A. Feedback collected, analysed and action taken and feedback available on website

File Description	Document
Upload any additional information	[View Document](#)
URL for feedback report	[View Document](#)

Criterion 2 - Teaching-learning and Evaluation

2.1 Student Enrollment and Profile

2.1.1 Average Enrolment percentage (Average of last five years)

Response: 52.44

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

2020-21	2019-20	2018-19	2017-18	2016-17
633	738	733	784	957

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

2020-21	2019-20	2018-19	2017-18	2016-17
1440	1440	1440	1500	1500

File Description	Document
Institutional data in prescribed format	[View Document]
Any 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: 63.18

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

2020-21	2019-20	2018-19	2017-18	2016-17
254	101	255	210	249

File Description	Document
Average percentage of seats filled against seats reserved	[View Document]
Any 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:

Slow learners and advanced learners are identified day- today by looking into the performance of the students in the internal examinations. The students are counselled based on the results and their problems are discussed during the mentor meeting. The solution is given to the students based on their problems and extreme care is taken to find the solution for the same. The mentors of the slow learners are the one who monitor and motivate the students to perform well. A special attention is given to the slow learners by conducting remedial classes and their improvement is monitored. They are provided with extra material, question paper, question bank and solutions for the subject where they are identified to be weak. This helps in inspiring the students and improving the performance in the academics. The advanced learners are motivated to participate in the extra curricular activities like conference, workshop, paper presentation, project exhibition etc. Which develops their personality .

Strategies for Slow-learners:

Give genuine praise frequently by emphasising their strengths and giving positive feedbacks. Developing short lessons by limiting the working time to several short work periods rather than one long one. The slow learners learn at a slower rate and they face difficulty in retaining what they have learned. The slow learners prefer concrete learning than abstract learning. Transfer of learning becomes impossible for slow learners. They lack judgement and common sense and they are highly destructible .The students are categorized as Slow-learners based on their performance in first internal test conducted after the commencement of classes and provided all the necessary support to integrate them into the mainstream.

Mentors-Mentee System: The Head of the department publishes, the list of mentors. The mentors have one to one interaction with their mentees, review their performance and commence action plan for improvement. Proper care and support is ensured to them through appropriate counselling. Students are encouraged to discuss their personal issues without any inhibition to find solutions. The real-time information is provided to the Parents. The exhaustive efforts of the faculty have resulted in improved results and pass percentage. It's quite evident in the past five year's results of slow learners.

Special-remedial classes: Special remedial classes are held beyond the regular class hours to improve the performance, clarify doubts and re-explanation of difficult topics. Past question papers are solved and discussed. Periodic review of their performance is done and corrective measures are initiated.

Special Program for Advanced learner: Advanced learners are also identified through their performance in class room lab, their fundamental knowledge, concept understanding and articulation abilities etc. Advanced Learners (bright students) are those students who are ahead on the learning curve .Encourage the students to participate in the various competition. They are encouraged to participate in seminar/conference/paper presentation/workshops/technical quiz/project expo and essay writing, also motivated for higher education and civil service exams.The term "advanced learner" in this policy refers to students who can complete learning tasks more quickly than their classmates, get good grades, and make to considerable progress.

File Description	Document
Upload any additional information	[View Document](#)
Past link for additional Information	[View Document](#)

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

Response: 12.4

File Description	Document
Any 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 Institution has initiated several Student-centric learning practices, which enable active participation of students in teaching-learning process with excellent hands on experience by way of practical classes for most of the courses of the programs. It is mandatory for students to take up value adding courses for capability enhancement.

The faculty is encouraged to participate in relevant training programmes for deploying effective teaching-learning methods. Special emphasis is laid on completion of syllabus on time.

The following measures are implemented in the College to enhance learning:

Experiential learning (EL)**:**

Project Work, Field visits and Participation in National and International Symposium / Conferences / Workshops and extra/co-curricular, inter/intra college events equip the students with effective management and organizing skills and help students with real-time exposure and to come up with new ideas. Guest Lectures by eminent experts from Industry are conducted to share their expertise to the students and to facilitate convergence of Industry and curriculum.

Participative learning –

- The college ensures innovation and creativity in teaching-learning process by substantial use of ICT enabled tools in lectures and workshops etc.
- The faculty employs LCD projectors and power-point presentations including video lectures to create interest and motivate students.
- The college has provided free access to college e- library, NPTEL, E-VIDYA and other learning

- resources for the benefit of the faculty and students.
- The students are persuaded to participate in projects, seminars, group discussions, competitions, debates and quizzes etc.
- Add on courses, ISTE, NPTEL videos, and MOOCs reinforce learning.
- The students are clubbed in to small groups for assignment of projects.
- It is mandatory for every UG student to undertake a project-work. Charts, models and experiments enhance conceptual knowledge.
- Department level educational trips, industry visits and internships help the students to gain hands on experience and provide stimulus to the students learning.
- Case study approach during the industry visits challenge the student's critical thinking and analytical capabilities.
- Students are encouraged to do internships in the companies to learn the industry state of art for getting employment.
- The College organises training programs for overall development of students and impart soft and technical skills.
- Yoga classes are conducted for mental and physical fitness.
- The Electrical and Electronics-Engineering departments conduct extensive practical courses to sharpen the skills of application of knowledge in students.

Problem solving methodologies

The final year projects are evaluated by an efficient rubrics system to ensure high quality. Collaborative, synergised efforts with the industry experts and the expertise gained in the laboratory experiments and project works help students to acquire problem-solving skills with scientific approach. The college conducts various seminar sessions duly inviting resource-persons of repute. The students are encouraged to participate to promote their inter-personal skills and to work efficiently in a group. This comprehensive approach empowers the students to understand the difficult concepts easily and enable them with effective problem solving skills.

File Description	Document
Upload any additional information	[View Document](#)
Link for additional information	[View Document](#)

2.3.2 Teachers use ICT enabled tools for effective teaching-learning process.

Response:

The Oxford College of Engineering, being a technical Campus, inspires intensive use of ICT enabled tools including online resources for effective teaching and learning process. in addition to the traditional classroom education, Subsequent efforts are taken by the institute to provide e-learning atmosphere in the classroom

In addition to chalk and talk method they used LCD Projectors, Video Conferencing, Android/ MAC Tablets, A-view, Google quiz, MOOCS and e-learning technology. A campus e-learning centre have

resources by Leased line Internet, Multimedia Projectors, Public address system, Computers,

There are 22 ICT enabled classroom which are fully furnished with LCD/OHP/Computers in the campus. The major emphasis is on classroom interaction in terms of research paper presentations, seminars, debates, group discussions, assignments, quiz/tests/viva and laboratory work. The Department laboratories, Seminar Halls, Auditorium, Board Room are well equipped with ICT facilities. E-Learning centre helps the teachers in developing e-content. E-learning centre is developed to meet the learning demands of engineering students and works on research, EDUSAT based live transmission of lectures. Special lectures and technical talk are also arranged by inviting experts from various industry.

Today, it is essential for the students to learn and master the latest technologies in order to be corporate ready. As a consequence, teachers are combining technology with traditional mode of instruction to engage students in long term learning.

The following tools are used by the Institute-

ICT Tools:

1. Projectors- 22 projectors are available in different classrooms/labs
2. Desktop and Laptops- Arranged at Computer Lab and Faculty cabins all over the campus.
3. Printers- Installed at Labs, HOD Cabins and all prominent places.
4. Photocopier machines - Multifunction printers are available at all prominent places in the institute. There are four photo stat machines available in campus.
5. Scanners- Multifunction printers are available at all prominent places.
6. Seminar Rooms- Three seminar halls are equipped with all digital facilities.
7. Smart Board- One smart board is installed in the campus.
8. Auditorium- It is digitally equipped with mike, projector, cameras and computer system.
9. Online Classes through Zoom, Google Meet, Microsoft Team, Google Classroom)
10. Hacker Rank (Online Coding Platform)- inter college competition
11. MOOC Platform (NPTEL, Coursera, SAP, Udemy, Edxetc)
12. Digital Library resources (DEL NET, MYLOFTetc)

Use of ICT by Faculty-

1. **PowerPoint presentations**- Faculties are encouraged to use power-point presentations in their teaching by using LCD's and projectors. They are also equipped by digital library, online search engines and websites to prepare effective presentations.
2. **Industry Connect**- Seminar and Conference room are digitally equipped where guest lectures, expert talks and various competitions are regularly organized for students.
3. **Online quiz**- Faculties prepare online quiz for students after the completion of each unit with the help of GOOGLE FORMS.
4. **Video Conferencing-** Students are counselled with the help of Zoom / Google meet applications.
5. **Video lecture**- Recording of video lectures is made available to students for long term learning and future referencing.

File Description	Document
Upload any additional information	[View Document](#)
Provide link for webpage describing the ICT enabled tools for effective teaching-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: 18:1

2.3.3.1 Number of mentors

Response: 147

File Description	Document
Upload year wise, number of students enrolled and full time teachers on roll.	[View Document](#)
mentor/mentee ratio	[View Document](#)
Circulars pertaining to assigning mentors to mentees	[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: 86.36

File Description	Document
Year wise full time teachers and sanctioned posts for 5years(Data Template)	[View Document](#)
List of the faculty members authenticated by the Head of HEI	[View Document](#)
Any 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: 18.33

2.4.2.1 **Number of full time teachers with *Ph. D. / D.M. / M.Ch. / D.N.B Superspeciality / D.Sc. / D.Litt.* year wise during the last five years**

2020-21	2019-20	2018-19	2017-18	2016-17
46	48	41	40	44

File Description	Document
List of number of full time teachers with Ph. D. / D.M. / M.Ch. / D.N.B Superspeciality / D.Sc. / D.Litt. and number of full time teachers for 5 years (Data Template)	[View Document](#)
Any 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: 6.8

2.4.3.1 **Total experience of full-time teachers**

Response: 1434

File Description	Document
List of Teachers including their PAN, designation, dept and experience details(Data Template)	[View Document](#)
Any additional information	[View Document](#)

2.5 Evaluation Process and Reforms

2.5.1 Mechanism of internal assessment is transparent and robust in terms of frequency and mode

Response:

The college has adopted (CIE)-System to assess students' performance on a continuous basis throughout the academic year. It is made known to students and parents during the orientation program itself. The evaluation process is held strictly as per VTU guidelines.

The internal assessment schedule in line with the VTU schedule is informed to students and faculty through institution academic calendar.

Quality of internal exam Question papers:

- The course coordinator is responsible for analyzing the quality and pattern of question paper and prepare question bank related to their concerned subject with equal number of questions from each unit. It is prepared carefully from various modules, previous university Question papers and

mapped for attainment of course outcomes (CO). Internal Exam Co-coordinator of the department with guidance of HOD, review and ensures the quality of question bank is on par with university guidelines for question paper setting.

- While setting the question papers, "Revised Blooms Taxonomy (RBT) levels" norms and University guidelines are adhered.
- Three internal tests are conducted and average of three are taken along with quiz, seminars and assignments as per CBCS.

Implementation of Internal Assessment Test:

- The students must appear for all three internal tests in a semester.
- After approval from Principal, question papers will be provided to internal exam coordinator of the department on the day of test.

Procedure for Internal Assessment Test:

- The students write the internal assessment test in bluebooks which are kept in the respective departments. These are available to students for verification. The IA marks are based on tests only (Average of three).
- Internal Exam Coordinator ensures conduct of internal examination in smooth and efficient manner.
- Marks are entered in the college database. This information is sent to the university before the commencement of theory examination.
- The answer key and Scheme of evaluation is prepared by the faculty and documented with a copy of question paper for retrieval and guidance.

- Students are allowed to check the corrected answer scripts for better understanding. Result analysis is done and necessary action taken to improve the pass percentage.
- CC-TV cameras are installed in class rooms for monitoring.
- Examination Grievances Cell is established to resolve the complaints.

Outcomes:

- It has resulted in enhanced domain knowledge and personality development.
- Pass percentage is increased with reduced backlogs-retention.
- Improved quality of projects and placements.

Strategies for-improvement:

- Parents are informed about mediocre performance of students through SMS.
- Remedial Classes are conducted for slow learners to clarify doubts, re-explanation of difficult topics to improve their performance**.**
- Separate tutorial classes are held in difficult subjects for all programs of Undergraduate Courses.
- As per mentor-mentee system, Students are assigned mentors to sort out personal, academic and non-academic issues by proper counseling and guidance in a gentle manner.

File Description	Document
Any additional information	[View Document](#)
Link for additional information	[View Document](#)	

2.5.2 Mechanism to deal with internal/external examination related grievances is transparent, time-bound and efficient

Response:

Theory and Internals Assessment examinations are conducting as per VTU guidelines.

• **Internal Assessment tests** are conducted during the 5th, 10th and 14th week of each semester.

1. The syllabus for the tests is announced well in advance

2. Question paper is prepared by the concerned course coordinator considering the course outcomes, Bloom's taxonomy and Program Outcomes.

3. The Scrutiny committee will collect the two set of question paper of each subject. Selected question paper will be sent Examination In-charge.

4. The Subject Faculty evaluates the answer books as per the scheme, and convey to students.

• **Laboratory**: For practical courses, evaluation is on weekly basis along with two internal examinations and marks are awarded as per rubrics.

• **Seminar**: A panel of faculty members with internal guide judge the presentation skills and award the marks as per rubrics viz., complexity, communication, report, presentation, question and answers.

• **Internship**: Students have to undergo internship training for six weeks in the industry and marks are awarded as per required rubrics.

• **Project:** The students have to carry out their project work in final year. Review committee will review the work done based on the rubrics framed.

EXTERNAL EXAMINATION: The VTU releases the calendar of events online well in advance before the commencement of semester

•The VTU releases the Theory examination Time Table and guidelines online well in advance before the commencement of examinations.

•The examination cell of the TOCE coordinates with the University for the Smooth Conduction of the examinations.

The following activities are involved during the conduction of the theory and practical examination.

- Displaying external Theory examination timetable, seating (room) arrangements to students through notice boards.
- Staff invigilation duty allotments is done by the examination co-ordinators and the same will be sent to the HOD's of respective Departments.

University ensures the transparency in conducting the Theory examination and Practical of SemesterEndExaminations by

1. VTU send question papers as per the time table session wise 30-45 minutes before start the examination using the digital Question Paper Delivery System (QPDS). For downloading.

2. Appointing one external deputy chief Superintendent (DCS) from other affiliated college.

3. Appointing Principal as Chief Superintendent (CS) of VTU examination.

4. 30-45 minutes before start the examination CS & DCS will get the password thru SMS to the registered mobile numbers for opening the question paper.

5. After downloading the question papers subject code wise, then distributing to the exam Hall.

6. By appointing flying squad to report malpractices if any

8. After completion of collecting the answer booklets it will be sent to the VTU regional office through the examination   co-ordinator.

7. The answer booklets are sent to the VTU and Digitizes answer booklets, conducts centralized evaluation collection.

8. Practical Examinations are conducted internally, appointing Internal Examiner within College and External Examiner form other college by VTU.

9. Students are allowed to do the opted experiment and the same is evaluated by internal and external examiners.

File Description	Document
Any additional information	[View 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:

The College has well defined Course Outcomes for all courses, which are statements to describe the competencies students gain during the course. The main purpose of the outcome-based-education (OBE) is in achieving outcomes through an organised system and aligning to one or more program outcomes (Pos).

The Heads of department and faculty discuss POs, COs and PSOs of the programs and implement appropriate pedagogic strategies. The Course outcomes are designed as per the affiliating university prescribed syllabus and by employing Bloom's taxonomy verbs and levels. All the Courses have around five to six course outcomes and these are correlated to the Program Outcomes (POs). The Course Outcomes are framed and stated in such a way that they can be actually measured.

"Provide a strong foundation in database concepts, technology, and practice. Practice SQL programming through a variety of database problems. Demonstrate the use of concurrency and transactions in database. Design and build database applications for real world problems". The college displays PEOs and PSOs on the website, notice boards, hand books and also inform students during the orientation Programme at the beginning of every semester. Alumni interactions also provide an opportunity to get feedback and helps in improvement in the same.

The faculty deploys different learning processes on a continuous basis to achieve the desired outcomes by adopting relevant pedagogical strategies and continuous monitoring. The add-on courses fill the gaps if any in the Course.

Normally, assessment is made in two methods, direct and indirect. The direct method, considers the performance of the student in 3 internal assessment tests (CIE), University exams (SEE), seminars, project work and laboratory tests. It focusses on attainment of course outcomes. Seminars and Project work evaluation provides extra measures to evaluate the outcomes.

Indirect assessment is based on feedback received from students at the end of each semester and Course. The exit survey data and feedback helps to review and incorporate modifications for proper outcomes of the course.

The college helps students to succeed in State, National, and International competitive exams such as GATE and Engineering Services etc, by providing the necessary Academic and Infrastructural support. The faculty is allowed to participate in workshops, conducted by subject experts so as to enable them achieve the desired outcome of the course.

POs ensure competencies, expertise and attainment of PEOs in graduate after completion of the program. Program-Educational-Objectives are statements that describe the career and professional achievement, the program allows the graduates to achieve. The PEOs are framed on the basis of feedback from all the stakeholders and reviewed to ensure continuing suitability, adequacy and effectiveness. The students are hired during the final year by reputed organizations. It enables them to grow up the ladder and blossom into a professional.

File Description	Document
Upload COs for all Programmes (exemplars from Glossary)	[View Document](#)
Upload any additional information	[View Document](#)
Past link for Additional information	[View Document](#)

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

Response:

Institution has adopted a strong system of evaluation of POs, Cos and PSOs. Departments measure the attainment of outcomes through continuous internal assessment prescribed by VTU.

CO attainment is determined through various continuous evaluation methods like

- **Internal tests**
- **semester end exam**
- **Seminars**

CO Attainment Process:

Attainment process through internal assessments:

Target Level	Target conditions	
3	90% of students scoring greater than 60%	
2	80% of students scoring greater than 60%	
1	70% of students scoring greater than 60%	

Attainment process through external theory exams:

Target Level	Target conditions	
3	70% of students scoring greater than subject external marks average	
2	60% of students scoring greater than subject external marks average	
1	50% of students scoring greater than subject external marks average	

Overall Course Outcome Attainment:

- Overall CO attainment is calculated by assigning a weightage of 60% to external theory exams and

40% to internal assessment.

The methods to assess Program Outcomes are categorized as

Direct Method

This method is performed based on student activities like internal assessment, assignments, External theory exam, External Practical Exam, Seminars, Project work and viva. This method proves to be a strong evidence of student learning as it captures continuous work of students.

Direct assessment Process

- The CO attainment of all courses contributing to Program Outcomes is tabulated.
- PO attainment for each Program Outcome is calculated based on CO-PO mapping done in CO-PO mapping matrix
- Average of the PO attainment of all courses for each Program Outcome provides the attainment using direct method.

Indirect Method

This method focuses on report based analysis, which allows student to share their views on the learning process. Various types of surveys carried out are:

- **Course Exit Survey Faculty feedback on Course**
- **Student's feedback on faculties**
- **Student feedback on course**
- **Parent feedback on course**

Indirect Assessment Process

- Above mentioned surveys are conducted for all courses and based on the results; attainment level of 1, 2 or 3 is fixed.
- Average of these PO attainments provides indirect attainment level

Overall PO Attainment Level is calculated by considering 80% weightage to direct assessment and 20% weightage to indirect assessment.

PSO Assessment Tools

Direct assessment Process

- CO attainment of all courses contributing to the Program Specific Outcomes is tabulated.
- PSO attainment for each Program Specific Outcome is calculated based on the CO-PSO mapping done in CO-PSO mapping matrix

- Average of PSO attainment of all courses for each PSO provides the attainment using direct method.

To assess PSO using indirect method different surveys carried are

- **Program Exit Survey**
- **Employers Feedback**
- **Alumni survey questionnaire**
- **Indirect Assessment Process**

- Above mentioned surveys are conducted for all courses and based on the results, attainment levels are fixed.
- Average of these PSO attainments provides indirect attainment level

Overall PSO Attainment Level is calculated by considering 80% weightage to direct assessment and 20% weightage to indirect assessment.

File Description	Document
Upload any additional information	[View Document](#)
Paste link for Additional information	[View Document](#)

2.6.3 Average pass percentage of Students during last five years

Response: 95.47

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

2020-21	2019-20	2018-19	2017-18	2016-17
795	845	837	890	938

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

2020-21	2019-20	2018-19	2017-18	2016-17
828	865	875	940	1005

File Description	Document
Upload list of Programmes and number of students passed and appeared in the final year examination (Data Template)	<u>View Document</u>
Upload any additional information	<u>View Document</u>
Paste link for the annual report	<u>View Document</u>	

2.7 Student Satisfaction Survey

2.7.1 Online student satisfaction survey regarding teaching learning process

Response: 3.62

File Description	Document
Upload database of all currently enrolled students (Data Template)	<u>View Document</u>
Upload any additional information	<u>View Document</u>

Criterion 3 - Research, Innovations and Extension

3.1 Resource Mobilization for Research

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

Response: 151.14

3.1.1.1 **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
5.33	107.62	5.41	23.33	9.45

File Description	Document
List of endowments / projects with details of grants	[View Document](#)
e-copies of the grant award letters for sponsored research projects / endowments	[View Document](#)
Any additional information	[View Document](#)

3.1.2 Percentage of teachers recognized as research guides (latest completed academic year)

Response: 7.11

3.1.2.1 **Number of teachers recognized as research guides**

Response: 15

File Description	Document
Institutional data in prescribed format	[View Document](#)
Any additional information	[View Document](#)

3.1.3 Percentage of departments having Research projects funded by government and non government agencies during the last five years

Response: 50.91

3.1.3.1 **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
8	8	5	4	3

3.1.3.2 **Number of departments offering academic programes**

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

File Description	Document
Supporting document from Funding Agency	[View Document](#)
List of research projects and funding details	[View Document](#)
Any additional information	[View Document](#)
Paste link to funding agency website	[View Document](#)

3.2 Innovation Ecosystem

3.2.1 Institution has created an ecosystem for innovations and has initiatives for creation and transfer of knowledge

Response:

Institute has well established ecosystem for Research & Development, innovation, startup and entrepreneurship culture. Institute has established R&D Cell, IPR and Entrepreneurship Cell, Institution Innovation Cell to nurture research ecosystem. Institution has MoU with reputed Universities, Research organizations and Industries. Institute has recognized Research and Development Centre in all departments with eminent professors recognized to guide candidates for Doctoral degree. The Centre periodically conduct brain storming sessions to motivate the Students, Research Scholars and faculty members to pursue research in cutting edge technologies. It Provides technical platform for students and faculty to discuss the recent trends, market demands, Industry trends and their research findings with eminent scientists, academicians, Industry personnel, venture capitalist through expert talks, Seminars, symposium, Conferences, workshops, hackathons, Ideation and discussion sessions.Institute encourage participation of students in various hackathons, Ideations, symposium/conferences exhibitions and fairs, to nurture their technical expertise and to frame interdisciplinary/multidisciplinary, inter institute and intra-institute projects by sharing the expertise and infrastructure available across the Oxford group of Institution. The Centre also organizes periodical workshops on research methodology, research proposal writing, research article writing skills, Patent search, research around abandoned/expired patent and entrepreneurial opportunities, startup schemes, Research fund mobilization etc.,

To augment research culture and ecosystem for innovation, following initiatives were taken

- Seed money for concept proposal and to develop proof of concept
- Incentive for research grant-Faculty who gets research grant will be awarded cash incentive
- Financial assistance for research publication- Faculty will be awarded financial support to publish their research finding in journal of high repute
- Technical and financial assistance for Patent filing through Institution IPR cell- faculty with novel ideas and innovative concept and research findings will be identified and technical assistance is provided through The Oxford KSCST-VTPC patent and innovation cell and such IPR will be filed with assistance from government schemes through KSCST IP Cell, NRDC, DBT, MHRD KAPILA scheme, TIFAC schemes etc.,
- Institute organizes periodic orientation programs to create awareness on various funding opportunity for students and faculty on call for Proposals from organizations viz., KSCST, VGST, KitBits, VTU, AICTE, DST-SERB, DBT, BIRAC, BRNS, NRB, DRDO etc.,
- Institute provides Techno-platform for faculty and students to select research problem of industry need and societal relevance by inviting eminent scientists from reputed institute, industry and research organizations and creating an interactive environment.
- An Industry Institute Interaction Cell works in close coordination with industries and the institute for encouraging both students and faculty to work on live projects.
- Several initiatives taken to strengthen Alumni network to establish Institute-Industry linkage
- Institute initiates and promotes MoU with industries and R&D organizations for consultancy, collaborative research, sponsored projects, industry institute interactions etc.
- Institute organize periodical brainstorming sessions through expert talks by eminent personalities from industry, R&D organizations and institutions of repute for the better understanding of research methodology and practices currently followed in Industry.
- Institute encourages and support product development by providing mentoring system by eminent scientists, infrastructure and financial support for filing patent, trademark/design.

File Description	Document
Upload any additional information	[View Document](#)
Paste link for additional information	[View Document](#)

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

Response: 11

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

2020-21	2019-20	2018-19	2017-18	2016-17
7	1	1	1	1

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

3.3 Research Publications and Awards

3.3.1 Number of Ph.Ds registered per eligible teacher during the last five years

Response: 1.93

3.3.1.1 **How many Ph.Ds registered per eligible teacher within last five years**

Response: 29

3.3.1.2 **Number of teachers recognized as guides during the last five years**

Response: 15

File Description	Document
List of PhD scholars and their details like name of the guide , title of thesis, year of award etc	View Document
Any additional information	View Document
URL to the research page on HEI website	View Document

3.3.2 Number of research papers per teachers in the Journals notified on UGC website during the last five years

Response: 0.96

3.3.2.1 **Number of research papers in the Journals notified on UGC website during the last five years.**

2020-21	2019-20	2018-19	2017-18	2016-17
48	59	55	50	22

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

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

Response: 0.17

3.3.3.1 **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
9	5	4	6	18

File Description	Document
List books and chapters edited volumes/ books published	[View Document](#)
Any additional information	[View Document](#)

3.4 Extension Activities

3.4.1 Extension activities are carried out in the neighborhood community, sensitizing students to social issues, for their holistic development, and impact thereof during the last five years.

Response:

Institute organized various extension activities for betterment of the Society during last five years. It includes awareness in society about, Jal-Jevan-Hariyali Abhiyan Swatch Bharat Mission, Swatch Bharat Abhiyan, Clean India Mission, AIDS Awareness Program, and Traffic Awareness Program with the aim to make Success of Our Honourable Prime Minister Clean India Mission. During the above period Our College have organized Blood Donation Camp. Recently our students and Faculties have worked during pandemic COVID-19 worriers to help for needy in society. Apart from that we have also organized several Society helpful Programs for betterment of Society.

These extension activities have given the participants exposure to cases of unjust deprivation and have created strong motivation for alleviation sef this injustice. Apart from this the significance of clean surrounding, hygiene, sanitation in the neighborhood, garbage disposal, and sensitizing the community at large to these vital issues. All these initiatives have gone a long way in holistic development personality of the participants of these Programs Blood donation camp strengthens the sense of empathy and compassion

among donors and also instils in them a sense of commitment and ethical responsibility. Programs on women empowerment creates awareness among girl students of their condition and their rights, and among boys a sensitivity towards problems of women, leading to decreasing of gender bias and patriarchal prejudices.

Our College have organized various Blood donation camp strengthens the sense of empathy and compassion among donors and also instils in them a sense of commitment and ethical responsibility. Programmes on women empowerment creates awareness among girl students of their condition and their rights, and among boys a sensitivity towards problems of women, leading to lessening of gender bias and patriarchal prejudices. All this leads to informed, balanced and responsible citizenship. The activities listed above are indicators of the manner in which multiple issues of social, political and economic significance are discussed and dealt with in order to create sensitivity and understanding among students and contribute to balanced development of their personality, so that committed and ethically informed citizenship is creates. As we knows the service to mankind is service to god. Imparting such values and attitude in to students is the motive of the institution. Believing in this, the institute carries out a number of extension activities in the neighborhood community. Our college has NSS units student volunteers and NSS of The Oxford College of Engineering the institution, concentrates on the welfare of the neighborhood community and sensitizes their social problems and takes necessary steps for the betterment of the society. These social outreach programmes brought a great impact on the holistic development of the students as they come across different categories of the people and their living standards.

These extension activity programmes are helping students to come closer in contact with the society and community. Awareness is created about various social problem facing the society and finding solution for them.

College has received several Awards/Certificates from different organisations for having organised activities helpful to general public in neighbourhood community.

File Description	Document
Upload any additional information	[View Document](#)
Paste link for additional information	[View Document](#)

3.4.2 Number of awards and recognitions received for extension activities from government/ government recognised bodies during the last five years

Response: 12

3.4.2.1 **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
9	2	0	0	1

File Description	Document
Number of awards for extension activities in last 5 year	[View Document](#)
e-copy of the award letters	[View Document](#)
Any additional information	[View Document](#)

3.4.3 Number of extension and outreach programs conducted by the institution through NSS/NCC, Government and Government recognised bodies during the last five years

Response: 81

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

2020-21	2019-20	2018-19	2017-18	2016-17
45	13	9	8	6

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](#)
Any additional information	[View Document](#)

3.4.4 Average percentage of students participating in extension activities at 3.4.3. above during last five years

Response: 76.58

3.4.4.1 **Total number of Students participating in extension activities conducted in collaboration with industry, community and Non- Government Organizations such as Swachh Bharat, AIDs awareness, Gender issue etc. year-wise during last five years**

2020-21	2019-20	2018-19	2017-18	2016-17
3341	1830	1810	1952	2063

File Description	Document
Report of the event	[View Document](#)
Average percentage of students participating in extension activities with Govt or NGO etc	[View Document](#)
Any additional information	[View Document](#)

3.5 Collaboration

3.5.1 Number of Collaborative activities for research, Faculty exchange, Student exchange/ internship per year

Response: 64

3.5.1.1 **Number of Collaborative activities for research, Faculty exchange, Student exchange/ internship year-wise during the last five years**

2020-21	2019-20	2018-19	2017-18	2016-17
24	14	13	6	7

File Description	Document
e-copies of related Document	[View Document](#)
Details of Collaborative activities with institutions/industries for research, Faculty exchange, Student exchange/ internship	[View Document](#)
Any additional information	[View Document](#)

3.5.2 Number of functional MoUs with institutions, other universities, industries, corporate houses etc. during the last five years

Response: 65

3.5.2.1 **Number of functional MoUs with Institutions of national, international importance, other universities, industries, corporate houses etc. year-wise during the last five years**

2020-21	2019-20	2018-19	2017-18	2016-17
26	13	13	5	8

File Description	Document
e-Copies of the MoUs with institution/ industry/corporate houses	[View Document](#)
Details of functional MoUs with institutions of national, international importance, other universities etc during the last five years	[View Document](#)
Any additional information	[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:

In order to be in line with the college's objective of creating an environment of excellence in education using technologically sophisticated pedagogical tools, the institution ensures appropriate availability and optimal utilization of infrastructure facilities as per the minimum specified requirement by statutory bodies. At the beginning of the each semester assessment for replacement, upgradation, the addition of the existing infrastructure is carried out based on the suggestions from the Heads of the Department, the subject in-charge will give the estimation of lab consumables to Head of the department and Head of the department will be reviewing course requirements, computer- student ratio, Budget constraints, existing equipment and also student's feedback.

The college has ample facilities for the teaching/ learning process. It has 80 classrooms and 11 seminar halls. CSE department has 4 labs, ISE department has 4 labs, ECE department has 5 labs, EEE department has 7 labs, Mechanical department has 11, BT department has 4 labs, CIVIL department has 8 labs, Automobile department has 4 labs, Mechatronics department has 2 labs, MCA department has 4 labs. Physics and Chemistry departments are having adequate facilities and well-furnished labs. Each Department has VTU Recognized Research centres, where Students and faculty members utilise the available resources and infrastructural facility for their course work and their research.

The department of ECE has received funds from various government agencies like VGST, ICMR, AICTE, NRB, etc. worth of INR 1 crore and established networking lab in Research and Development.CSE department also received grants from various agencies like AICTE etc.to set up lab.Department of Biotechnology also received grants from various agencies like NRB,VGST etc. Many departments receive best student projects funded by KSCST government of Karnataka.

The available infrastructure is fully utilized for conducting co-curricular activities / extracurricular activities, parent-teacher meetings, training classes, campus recruitments, meetings, seminars, and conferences, etc. Every year a National conference (NCSEM) is organized by involving all the departments where students and faculty from inside and outside college will present their research work. The webinars and Guest lectures have been conducting by the departments in order to deliver the new concepts in Engineering and Technology.

- The infrastructure is well maintained by the qualified lab Instructors/System administrators
- Utilization of infrastructure is ensured through encouraging Innovative teaching/Learning practices
- The classrooms of every department are ICT enabled for effective teaching/learning
- Each department has well-equipped laboratories which are used for Academic and Research work as well.
- NPTEL local chapter is established in the campus so as to provide quality input of lectures from various IIT's to the students as well as the faculty.
- College is having professional bodies like IEEE Student Branch TOCE, CSI Chapter

File Description	Document
Upload any additional information	**View Document**
Paste link for additional information	**View Document**

4.1.2 The Institution has adequate facilities for cultural activities, sports, games (indoor, outdoor), gymnasium, yoga centre etc.

Response:

As there is a saying "sound in a sound body" our physical activity has reduced as are more departments on machines and technology in this aspect physical activity is very much necessary of the day.

From the past our college is encouraging the students in sports as well as academics .every year we select the student from different sections to   train them to compete in various sports meet .all over the state some of the students have also been selected to participate in VTU
The Institute, with its compulsory Core Courses and the continuous evaluation scheme,
integrates sports and extra-curricular activities as essential components. This is done not
only for participation but also for assessment of students.
It has adequate facilities for sports and games. The total area of sports
and games fields is 5,250 ft. Has with provision for multiple
games, such as, Football (5 side), Hockey (7side), Volleyball, throwball, kabaddi and Kho-kho.Gymnasium (1600ft) isavailable.Facilitiesfor indoor(1600ft) sportsand games, carrom, table tennis and chess, gymnasium, yoga hall(1200ft) exist inthe Girls and Boys Hostels.
Intra-faculty and inter-faculty games and sports competitions are organized regularly every
year for students. Students are specially trained for participation in Zonal and Inter-Zonal
National competitions organized by the Association of Indian Universities,
sports events outside thecampus. TOCE has excelled at these events by winning prizes and awards in individual andgroup events.
Some of the faculty members serve as instructors at the TOCE Yoga hall.
Special classes on self-defence are organized specially for female students.
National Independence Day and Republic Day are celebrated in the Institute by unfurling the
national flag followed by a guard of honor of the Chief Guest by NCC students, an impressive
march past of students   on the organization of athletic events at st john's medical college   play groundOrganized by the Institute.

The Department of Physical Education and Sports Science serves as a vital and integral part of student life in campus. The mission of the department is to provide a broad spectrum of sports, recreation and leisure activities for students, staff and faculty. The primary direct ion is to provide services and programs that stimulate growth,development and retention of students in a contemporary and safe environment that develops fitness and wellness, social interaction and leadership opportunities. The college offers multiple facilities on campus to cater to the physical development of students. The college has amenities for both indoor and outdoor games. The user rate is 150-175 (Average per Day)

File Description	Document
Upload any additional information	[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: 60

4.1.3.1 Number of classrooms and seminar halls with ICT facilities

Response: 51

File Description	Document
Upload Number of classrooms and seminar halls with ICT enabled facilities (Data Template)	[View Document](#)
Upload any additional information	[View Document](#)
Paste link for additional information	[View Document](#)

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

Response: 5.4

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
67.95	43.49	33.14	23.28	7.07

File Description	Document
Upload Details of budget allocation, excluding salary during the last five years (Data Template)	[View Document](#)
Upload audited utilization statements	[View Document](#)
Upload 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:

"TOCE Central library is installed **9.8** version software in the year of 2017 and Library is now fully automated and giving best services to students and staff.

TOCE Central library catalogue database has more than 56347volumes, titles 13737, 3085 CD's, 1350 Bound Volumes and 18 News Papers. The library has access to more than 1663 e-journals on various branches of Engineering, Science, technology and management. There is huge collection of general books in reference section and10869 e-books are available in library. All engineering departments are having departmental library separately.

With the advancement of technology library automation is not only computerised catalogue of bibliography records, solution of all the activates. TOCE library is completely computerised and students, staff can able to access information in the library by typing keywords in OPAC

LIBSOFT is complete automation and user friendly software for the library operations and it is easy to maintenance of Database through taking Backup of the existing database, Restoring, Clearing the Old Transactions, Report generation on material availability, circulation statistics, New Arrivals, Periodicals not received, Dailies not received, Budget analysis, Expenditure analysis etc. The TOCE library resources have been completely barcoded classified with DDC respectively.

Automatic ID card for members and barcode generation for materials. Enhanced documentation facilities for making detailed reports in excel sheets." LIBSOFT software which helps in Transactions OPAC(Online Public Access of Catalogues), Acquisition Barcode enabled Circulation (Issue, Return and Renewal) for all kinds of material, automatic fine calculation if any Reservation and termination of books.

Online Public Access Catalogue: Students and staff can check their transaction details (title of their transaction, due date, fine amount and reserved material details) through OPAC. Members can search the available books in the library, Status of the book, number of copies of same title, and can rate the book. OPAC allows the users to get the information about the availability of books from anywhere inside the library.

Except reference books, all the books have been arranged on open shelves in subject wise for easy to take and quick access and book shelves index are available on the rack. New books before sending to shelves are first displayed in the "New Arrivals" section for 15-20 days and processed afterwards for usage.

Access to all the online resources such as IP based e-journals and e-books from VTU consortium, management have been procured and made available throughout the campus using intranet and internet for the use of students and staff. Users can conveniently access the library services in online through the library portal which provides all the information about the library. It can be help of advice, intellectual input and effective sharing information. Automation of a library enhances services to users ensures high efficiency in managing library operations.

File Description	Document
Upload any additional information	[View Document](#)
Paste link for Additional Information	[View Document](#)

4.2.2 The institution has subscription for the following e-resources

    1. **e-journals**
    2. **e-ShodhSindhu**
    3. **Shodhganga Membership**
    4. **e-books**
    5. **Databases**
    6. **Remote access to e-resources**

Response: B. Any 3 of the above

File Description	Document
Upload any additional information	[View Document](#)
Details of subscriptions like e-journals, e-ShodhSindhu, Shodhganga Membership , Remote access to library resources, Web interface etc (Data Template)	[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: 1.52

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
1.07	1.03	3.44	1.04	1

File Description	Document
Details of annual expenditure for purchase of books/e-books and journals/e- journals during the last five years (Data Template)	[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: 26.99

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

Response: 763

File Description	Document
Details of library usage by teachers and students	[View Document](#)
Any additional information	[View Document](#)

4.3 IT Infrastructure

4.3.1 Institution frequently updates its IT facilities including Wi-Fi

Response:

The college has a well-developed system for providing ICT facilities to the users and also updates its configurations at regular intervals.

Facilities available are as follows:

80 class rooms are having Computers and Projectors with 60 MBps internet facility.6 classrooms are having smart boards for advance teaching learning process. Each staffroom is provided with three desktops and 8 laptops with i3-3rd Gen, 4GB RAM 320 HDD configurations along with 60 MBps internet facility and 1 multifunctional all in 1 printer. 11 laptops are provided to the authorities of the institution with configuration i5- 3rd Gen, 8GB RAM 1-TB HDD. All the rooms in the college are well connected with LAN Well-defined ICT setup is established with LAN facility connected with central server having the configuration: INTEL Xeon Silver 2.1Ghz 2 core, 16 GB RAM, 480 SSD, 4-TB HDD with IDR Rack facility. Institution provides training on regular intervals for both Teaching and nonteaching staff members on usage of ICT equipped facilities.In case of major problems like replacement of system components within warranty period are sent to the respective AMC service immediately.

An uninterrupted power supply is made available in the campus so that the classes and Academic labs are conducted without any interruption. A well-defined policy for regular up gradation of IT & Wi-Fi facilities is implemented in the institution. Majority of the departments have LCD for power point presentation for learners at PG level, Most of the departments have computers with Internet facility via Wi-Fi, which are useful for power point presentations. It enhances teaching learning process exponentially.. At UG and PG level, the teachers use Internet for providing notes to the learners wherever necessary. The maintenance of computer, Internet Wi-Fi networking, and installation of software and maintenance and up gradation of hardware is maintained by executing AMCs, selected in open tender. The college takes the help of experts for maintenance and repairs of computers and also for up gradation of its website Maintenance and up-gradation is done from time to time as per requirements and academic regulations,. Computer systems are

upgraded with the latest configuration once in three years . Individual up gradation of the computers is taken up as per the need and requirements of the various departments Adequate provision is made in the annual budgets for procurement of the computer systems The obsolete/existing systems are replaced with the new ones on an ongoing basis as per the requirements of syllabus and regulations All the computer systems in the campus are regularly checked by the systems administrator with the help of maintenance staff The maintenance staff approaches the respective labs for troubleshooting In case of major problems like replacement of components etc, within warranty period are sent to the respective service centers immediately.

The college provides internet facility to staff members at the respective departments.

File Description	Document
Upload any additional information	View 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: A. ?50 MBPS

File Description	Document
Upload any additional Information	View Document
Details of available bandwidth of internet connection in the Institution	View Document

4.4 Maintenance of Campus Infrastructure

4.4.1 Average percentage of expenditure incurred on maintenance of infrastructure (physical and academic support facilities) excluding salary component during the last five years(INR in Lakhs)

Response: 39.8

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

2020-21	2019-20	2018-19	2017-18	2016-17
262.74	253.95	259.94	265.26	308.03

File Description	Document
Upload any additional information	[View Document]
Details about assigned budget and expenditure on physical facilities and academic support facilities (Data Templates)	[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 Oxford College of Engineering, Bangalore has a number of policies procedures and practices to govern its day to day operation. The College has mechanism to maintain the physical, academic and support facilities.

Maintenance of the Campus:

Regular care of electrical, plumbing, housekeeping and infrastructure in the college premises is supervised by Maintenance Committee. The roads, common places, faculty and class rooms, laboratories, are cleaned daily and mopping is done periodically. Each academic year proper planning is done regularly.

Infrastructure:

The Institute has its RO system installed in the college premises with connected water taps in every floor and which provides 24X7 drinking water facility.Theinstitute has set up power generators.The cleanliness of the Institute is maintained by the House-Keeping section.

Class Rooms:

Institute provides a good physical environment in the form of desks, chairs, tables, space, instructional materials, proper lighting and ventilation as well as the latest Information and Communication Technology (ICT) equipment.

Laboratories In All Departments:

Optimal utilization of laboratory possessions is ensured by the faculty members of the respective departments and concerned lab-coordinators,and lab assistants. Further maintenance, cleanliness of lab and

other problems of the computers and ITfacilities, are well maintained by the System Administrators.

Library:

Every year, the college forms a library committee which evaluatesthe previous year's activities. In order to provide suitable atmosphere for reading, cleanliness is maintained in the library.Proper maintenance and cleaning of furniture in the library iswelltaken care of on regular basis.

Sports:

The Institute has appointed a Physical Director for planning optimum utilization ofsports facilities throughout the year.

Fire Resisting Kit: Campus has fire extinguishers in each building and all flours.

Sewage Treatment Plant (STP):TheCollege has equipped with Sewage Treatment Plant (STP) with the capacity of **3,00,000 liters** per day. Treated sewage water is utilized for gardening purpose.

Other Facilities: Institute runs buses which are used for conveyance of students. public transport buses are accessible for the students and faculty members.

The campus security is monitored through surveillance Cameras.

The college has Canteen facility for staff and students.

Bank of Baroda branch is located inside the campus.

The below mentioned points are inspected before start of every semester.

1. Facilities such as tube lights and fans, projectorsand desktops with internet connections are to be inspected every semester in all class rooms.

2. Condition of computersand other equipmentsin every lab areto be checked thoroughly.

3. Stock register check to be done every semester.

5. Maintenance committee should inspect toilets, classrooms, corridors STP, RO water purifier system.

6. Library committee should check their stock position & other relevant records and to be updated and also collects needs of the students and staff.

7. Physical Education Director with Sports committee ensures the availability of sports equipment and monitors the usage of the ground and other facilities.

File Description	Document
Upload any additional information	[View Document](#)
Paste link for additional information	[View Document](#)

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: 42.14

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
1348	1282	1386	1402	597

File Description	Document
upload self attested letter with the list of students sanctioned scholarship	[View Document](#)
Upload any additional information Average percentage of students benefited by scholarships and freeships provided by the Government during the last five years (Data Template)	[View Document](#)

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

Response: 1.09

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
24	21	20	49	51

File Description	Document
Upload any additional information	[View Document](#)
Number of students benefited by scholarships and freeships institution / non- government agencies in last 5 years (Date Template)	[View Document](#)

5.1.3 Capacity building and skills enhancement initiatives taken by the institution include the following

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

Response: A. All of the above

File Description	Document
Details of capability building and skills enhancement initiatives (Data Template)	[View Document](#)
Any additional information	[View Document](#)
Link to Institutional website	[View Document](#)

5.1.4 Average percentage of students benefitted by guidance for competitive examinations and career counselling offered by the Institution during the last five years

Response: 17.59

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
443	501	529	553	543

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 has a transparent mechanism for timely 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: 34.15

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
275	335	429	190	224

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 (Data Template)	[View Document](#)

5.2.2 Average percentage of students progressing to higher education during the last five years

Response: 7.3

5.2.2.1 Number of outgoing student progression to higher education during last five years

Response: 58

File Description	Document
Upload supporting data for student/alumni	[View Document](#)
Details of student progression to higher education (Data Template)	[View Document](#)
Any additional information	[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: 25.24

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
8	16	11	5	1

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

2020-21	2019-20	2018-19	2017-18	2016-17
21	37	39	34	51

File Description	Document
Upload supporting data for the same	[View Document](#)
Number of students qualifying in state/ national/ international level examinations during the last five years (Data Template)	[View Document](#)
Any additional information	[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: 66

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

2020-21	2019-20	2018-19	2017-18	2016-17
4	2	16	25	19

File Description	Document
Number of awards/medals for outstanding performance in sports/cultural activities at university/state/ national/international level during the last five year	[View Document](#)
e-copies of award letters and certificates	[View Document](#)
Any additional information	[View Document](#)

5.3.2 Institution facilitates students' representation and engagement in various administrative, co-curricular and extracurricular activities following duly established processes and norms (student council, students representation on various bodies)

Response:

Institution provides opportunities to students to participate in various types of academic and campus activities.

Students views are considered for improving teaching, learning pedagogy through brain storm sessions. The college offers numerous Student Forums/Clubs to provide opportunity to students to participate in wide range of co-curricular, extracurricular, social and community development activities. Throughout the year numerous events are organized for the betterment of the students to pursue their hobbies. The students participate in the feedback system. The students provide feedback on faculty (2 times a year), HODs and Principal (once in a year). The students are exposed to current research through expert lectures from people of eminence. Several stake holders visit the campus and provide expert advice and also interact with students. The students also participate in seminars conducted elsewhere. The students are encouraged to carry out mini and major project work in house and in collaborations with industry and academia. Few student representatives from various branches are invited to Academic Council meetings. The students are

part of service and extension activities through NSS, Women's Cell Units, etc. The student representatives are also part of IQAC, anti-ragging committee, GRC, Women's Cell and other statutory committees.

Institution has embarked on a mission to recognize and award final year UG engineering students who have taken up innovative, value added UG projects with a flavor for societal responsibilities in their project work. Best project awards are given in every academic year. The institution has recently established institution innovation club for students with an aim to inculcate the culture of innovation amongst students and encourage them to generate new ideas. Every year the students actively participate in the annual national conference "NCSEM". The students of various engineering colleges gather to collaborate, present, discuss, learn and explore development and applications in cutting edge technologies in all the fields of engineering and management. The National conference has a footfall of more than 600 students who benefit from the paper presentation put up by the 8th semester students. Students form departmental associations and arrange talks from person of eminence from industry. Students are also encouraged to form chapters like IEEE, EMB, etc. to organize activity based programme for students.

The student council play active role for:

- Organizing different competitions required for academics and praticipate in competitive events at state and national level.
- Organizing and participating in student chapter activities and fetch the funds for student projects.
- Educating the students about the ill effects of ragging in the campus and to curb the menace of ragging completely. They also espouse the cause of women empowerment.
- Assisting the alumni association in organizing its activities.
- Actively participate and take initiation in maintenance of the campus.
- Convey the grievances of the students to concerned committees and help in the redressal of those grievances as per the extant guidelines.

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 in which students of the Institution participated during last five years (organised by the institution/other institutions)

Response: 44.6

5.3.3.1 **Number of sports and cultural events/competitions in which students of the Institution participated year-wise during last five years**

2020-21	2019-20	2018-19	2017-18	2016-17
23	52	48	46	54

File Description	Document
Upload any additional information	View Document
Report of the event	View Document
Number of sports and cultural events/competitions in which students of the Institution participated during last five years (organised by the institution/other institutions (Data Template)	View Document

5.4 Alumni Engagement

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

Response:

Alumni association of the Oxford College of Engineering (in short known as TOCEAA) is registered with registrar of societies in 09/04/2005 bearing a registration no. 214/2005-06.

The Oxford College of Engineering Alumni Association was started in 2005 and is chaired by Sri Onkar Eshwar Pandey, Former Senior Group editor-Rastriya Sahar Academic Affairs and Special Assistant to the President. TOCEAA is dedicated in building a culture of evidence at the campus. One way of accomplishing this task is by administering large-scale surveys to cross-sections of students on a regular basis, thereby gathering evidence regarding the student experience from multiple perspectives.

After it has started, Alumni meetings were conducted every year by all the departments. The meetings start with the welcome address by faculty members, introduction of Chief Guest, address by the chief Guest, Principal, Chairman. Alumni meeting usually happens with interactions, games, sharing experiences, get together. The main ambition is to bring all students at a place where they can meet their old friends, classmates and faculty members reminiscing memorable experiences and sharing stories of success. The students shared their experience of their professional life and suggested the new technical areas where there are more openings for entry level jobs. They expressed their desire to support in the placement activities of the college.

Role of Financial Aid: During the end of the course, final year students submit Alumni feedback form and Alumni Membership form. An amount of rupees five hundred is contributed by each student towards Alumni Association. During 2016 to 2021 a total amount of Rs. 21,32,000/- is contributed towards Alumni Association.

Non-Financial Contribution: Alumni Lectures are organized every year by all departments. Few students are entrepreneurs and signed the MOUs with department. Uday Bhargav, Alumni Entrepreneur from department of EEE started his own company GenTech Solutions and signed an MOU with EEE

department. His company provides a platform for junior students to carry out internships and projects.Alumni Entrepreneurs started their own companies Madmec and Maventum Tech Solutions Private Limited and signed MOUs with the Department of MCA TOCE.

Alumni showed their interest in the contribution for the development of the institute and students in the form of organizing training programs like skill development, entrepreneurship development, expert lectures, seminars, mentoring, workshops, research, etc. Department of MCA organized Webinar on Virtualization & It's Impact on Telecom Operators & Network on 20 June 2020 by Alumni student Mr. Chengappa M R, Network Functions Virtualization R& D Lab, HPE, Bangalore. Mr. Chengappa M R and Mr. Hemant V were the keynote speakers during the webinar session of NCSEM - 2020 organized in TOCE on 15th and 16th July 2020. A technical talk session on the latest buzz in the technology world – IOT was held at TOCE on 03-09-2016. TOCE alumni Ivan Jacob, Software Engineer was the speaker for the session. Through his talk an interface between junior students and industry is established.

Alumni help the junior students in placement by giving ideas, tips and techniques. Alumni has donated books for library.

File Description	Document
Upload any additional information	[View Document](#)
Paste link for additional information	[View Document](#)

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

Response: A. ? 5 Lakhs

File Description	Document
Upload any additional information	[View Document](#)
Link for 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 and in tune with the vision and mission of the institution

Response:

The institution is recognized by AICTE, approved by Government of Karnataka and affiliated to VTU. The Governance of the institution is strictly in accordance with the Vision and Mission. The system is effectively decentralized for a better governance and performance. The major decisions which have a bearing on the function and the goal of the college are done by the Governing Council which includes the Chairman of the institution.

The staff council of the college headed by the Principal, Vice Principal, and all the HOD as members ensures the proper implementation of the decisions and directions given. The Management gives sufficient freedom to the Principal, who is the academic head of the institution to function in order to fulfill the vision and mission of the institution. HOD is delegated with department level authority. The responsibilities are communicated to the faculty members through regular staff meetings. The office administration of the College is headed by the Office Superintendents. The Institute has a perspective plan for development. It is developed by Principal with the help of HOD's of various departments under the guidance of Governing Council. Based on the academic schedule given by the affiliating university, academic calendar is prepared. The academic calendar includes the list of preplanned programs of various departments and examination schedules prepared with the knowledge of HOD's. To ensure development of the Institute, all the planning and execution is monitored regularly.

The perspective plan helps to streamline various processes like evaluating methodologies of the teaching-learning process, research progress, infrastructure facilities etc. Improve Research Competency and to get grants from various government and non-government organizations. Learning and growth scope of the institution is also well explored. The institution signs MoUs with the various organizations for promoting institute-industry interaction. It also includes the development of infrastructure for research activities and motivating the faculties towards Research, Consultancy, Patents, etc.

The college also has been accredited by the NBA, The college is set in a sprawling 11.5 acre campus in the prestigious IT corridor, ideal for education in a serene environment with over 58,000 Sq.mt.of built up area spread over 2 blocks, with enormous investment for academic purposes. The Oxford College of Engineering trains its students well for gaining a broad scientific and in-depth knowledge in the subject of specialization. The training provides one with the ability to apply the problem solving strategies using creative approaches, ability to work as a team, excellent mathematical and computing skills, the ability to analyze data, written and oral communication skills. In a nutshell, the college prepares engineers to tackle futuristic situations successfully. Vision & Quality policy to Equip the Students with Highest Standard of Education, Knowledge and Ethics. To prepare them to meet the challenges of life with full confidence. Aim at all round development of the Personality to be useful citizens.

File Description	Document
Upload any additional information	**View Document**
Paste link for additional information	**View Document**

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

Response:

Decentralization

Decentralization in the institute is planning a very important role in deciding and implementing the student centric program and activities. The academic activities are delegated as per the hierarchy of organization & effective leadership practices by conducting FDP's, conferences, workshops and establishing EDC professionals.

The college has several committees/sub committees and duly represented by faculty industry experts, alumni, parents and students to monitor and guide the academic and administrative activities.

The principal conducts meetings with HODs everyday and minutes recorded and submitted to the management. The college encourages stake holders to give their valuable suggestions.

The decentralized governance model is obvious in every area, as each department/faculty functions as an individual sub-unit, in organizing and implementing the student-centric programs and activities.

The college delegates the plan of the academic activities at the beginning of each semesters. The important decisions for the smooth function of the institution and to reach goals of the institution are taken in the Governing Council meetings.

In the decentralized governance system are empowered to take important decision of all academic activities in the Institution. Heads of the Departments are authorized to take decision at their department level. Faculty members take the academic lead to drive the activities to implement the policies. Coordinators from various functional committees work with teams of members to achieve the prescribed objectives.

- College conducts National Conference on Science, Engineering and Management-NCSEM in every year organized by faculty, students.
- Student members are nominated in class committee and hostel committees.
- Various professional societies and clubs started to improve students technical and non technical skills.
- Various lectures and development programs on leadership skills & soft skills.

Participative management

The Institute consistently promotes a culture of participative management at all levels. The Institute

follows committee system for implementation of all its decisions and resolutions. The committees comprise of faculty members and students. The HODs take the decisions and implement the action plan. The department faculty is involved in implementation of the policies of the institute/department.

- At the institution level, the college has practice of listening to voices from the students and faculty members through proper channel.
- HOD meeting with Principal is conducted regularly and minutes of the meeting are recorded and sent to the management
- At department level, department meeting is conducted by the HOD in order to address the grievances and in turn represent it to the top management.

- Convenience of senior faculty members with rich experience is the inspirational driving force for others to follow. The college promotes a culture of participative management.
- Class committee meeting for all classes is conducted headed by the class committee chair person who convenes the meeting as scheduled which serves as a platform for the students to represent their academic and non-academic needs. Minutes of class committee meeting are sent to the Head of the Institution.

File Description	Document
Upload any additional information	[View Document](#)
Paste link for additional information	[View Document](#)

6.2 Strategy Development and Deployment

6.2.1 The institutional Strategic / Perspective plan is effectively deployed

Response:

The institute has prepared a strategic plan to fulfil the infrastructure of the institute, academic development, extra-curricular activities, sports, and culture, and has defined targets for the infrastructural facilities and academic development of the institute.

These targets have been set with extensive consultation with all stakeholders, staff, faculty, alumni, management, and the industry. Our institution is affiliated with Visvesvaraya Technological University, Belagavi, Karnataka State, India. It abides by the changes in the curriculum as prescribed by the university.

VTU introduced the Choice Based Credit System (CBCS) in the B.E scheme and syllabus for the year 2018. Effective teaching methods like interactive teaching to create interest in the students, PowerPoint presentations, live demos, tutorial classes, remedial classes (for weak performers), quizzes, assignments, mock interviews, group discussion on assigned topics, mini-projects, and internships are in practice. Students' interactions and discussions, case studies, and activity-based learning methods are used. Guest lectures/webinars from industry experts, seminars by students on current trends, and a techno-cultural fest will enhance the knowledge of students. To help the students have hands-on exposure Industrial visits, field trips, and site visits are actively undertaken. Evaluation of the student's performance

is conducted according to VTU guidelines strictly.

Funded projects are undertaken by the college which benefit the faculty and students to strengthen their skills. The availability of textbooks, reference books, and journals in the library is ensured for effective course delivery. Also, a special audio-visual room is available in the library to help the students listen to the lectures delivered on the subjects by experts from VTU through web telecast.

The college has a membership to access the VTU library. The college subscribes to most of the major technical journals, including IEEE, ACE, ASME, J-GATE, IEL Online, EBSCO, K-Nimbus, Science Direct Journals, etc. useful for researchers in various departments. Moreover, NPTEL video classes are also available. Faculty are motivated and monitored for effective classroom teaching and are appraised from time to time by HOD and Management.

The institution encourages the employees to pursue their promotional activities in the form of higher education, presenting research papers at national or international conferences with financial assistance. Depending on the workload distribution at the department level, the faculty and staff requirements are forwarded to the recruitment committee consisting of the Director, Principal, HOD, and senior faculty for further action. A standard performance appraisal framework and its relation to benefits and incentives will be implemented by the organization.

The HR Department will generate more knowledge and training to be offered to faculty to communicate their views and procedures and policies on grievances. HR and management are responsible for closing all complaints at the earliest to ensure that the faculty feels secure in their grievances.

To create transparency in all faculty-related activities. Industry interaction activities like industrial visits, guest/expert lectures, internships, and externally funded projects are undertaken to bridge the gap between industry and academia. Admission to the PG Program is through the PG-CET/K MAT, managed by the University, which ensures high transparency.

File Description	Document
Upload any additional information	[View Document](#)
strategic Plan and deployment documents on the website	[View Document](#)
Paste link for additional information	[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:

The institution functions under the aegis of Children 's Education Society. The Governing Council monitors administration and comprises of eminent people with vast knowledge and expertise in the field of academics, research, industry and administration. It conducts meetings regularly in a transparent manner.

The principal is the academic and administrative head of the college and assisted by HODs and faculty. He ensures implementation of the policies of the management and mandatory regulations of statutory authorities. He is responsible for overall administrative, academic, co-curricular, extra-curricular and extension Programmes and the Deans (academic and Administration) along with the HODs are in-charge of departments. The faculty takes care of the academic activities.

Various committees are formed consisting of chairperson, staff and student members to collectively plan and execute the academic and administrative activities.

SERVICE-RULES:

The faculty and staff are apprised about their service conditions and responsibilities as per the instructions contained in Administrative and Service Manual. It contains information on code of conduct, service rules, recruitment and promotion process, different kind of Leaves, increments, incentive for achieving academic excellence etc.

RECRUITMENT:

The recruitment of faculty / staff is a very important activity and based on qualification, teaching experience and other eligibility criteria as prescribed by state Government / UGC / AICTE from time to time. It has prescribed minimum and maximum age for recruitment. The maximum age limit is relaxed for most deserving with outstanding merit and credentials. Appointments are made only after due advertisement in leading newspapers, conducting interview, and demonstration of lectures. The College attracts many applications andensure fairness and transparency in the selection process.The Selection Committee consists of Principal and concerned Head of the department.

PROMOTION:

Promotion policy is clearly defined in Administrative and service Manual of the College. All promotions are made as per the guidelines. The seniority of the faculty is published Department wise every year as prescribed in the Karnataka Government Servants (Seniority) Rules 1957.

The staff welfare measures consist of awarding monetary benefits, sanction of additional increments and reimbursement of fees for higher studies, deputations etc.

The Non-Teaching staff are with state scales of pay. They are eligible for earned leave benefits as per norms. The promotional benefits are extended on the basis of the KCSR [Karnataka Civil Service Rules] & C&R [Cadre & Recruitment]. Recruitment Rules of DTE by following the reservation roster and adhering to the prescribed staffing pattern.

GENERAL-DISCIPLINE:

The staff and faculty are expected to behave in a diligent and dignified manner.

Staff Grievances Redressal:

The College addresses genuine complaints, issues and difficulties of all the staff and faculty. It has a proper redressal system in place. Grievance redressal committee resolves complaints in a fair and equitable

manner with sensitivity and confidentiality.

File Description	Document
Upload any additional information	[View Document](#)
Link to Organogram of the Institution webpage	[View Document](#)
Paste 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](#)
ERP (Enterprise Resource Planning) Document	[View Document](#)
Details of implementation of e-governance in areas of operation, Administration etc	[View Document](#)
Any additional information	[View Document](#)

6.3 Faculty Empowerment Strategies

6.3.1 The institution has effective welfare measures for teaching and non-teaching staff

Response:

The college implements an array of welfare schemes for staff including:

1. Employee Provident Fund (EPF):

The Permanent employees drawing a salary of less than Rs 20000 per month are eligible to become the members of contributory EPF scheme framed there under by the Govt of India.

2. Health Benefits:

- **Employee State Insurance (ESI):** Employees are eligible for medical benefits
- **Treatment subsidy in Medical and Physiotherapy colleges:** Faculty can avail treatment at the Oxford Medical College and College of Physiotherapy at a subsidized rate.

- **Group Insurance:** All faculties who are eligible for EPF also have Group Insurance

3. Free Health Card:The employees are provided with free health cards for treatment at The Oxford Medical College, Hospital & Research Centre, Bangalore. The free service is provided along with investigations at discounted cost including Corona Treatment.

4. Transport facility: Pick-up and drop facility is available for all employees.

5. Leaves:Casual leave: All staff who have completed one year of teaching experience can avail a maximum of 12 casual leaves per year

Earned leave: The teaching staff of the college is eligible for 20 days of earned leave during the academic year with approval from the Head of the Department and the Principal

Maternity leave: Female employees are entitled to avail 3 months of Maternity leave

- Permanent female employees who have put in a minimum five years of service in The Oxford Educational Institutions are entitled for maternity leave of 90 days for the first confinement only.
- Maternity Leave can be combined with vacation or Earned Leave, Extraordinary Leave or Loss of Pay.
- The Maternity Leave shall not be debited against any other leave credit.

On Duty leave (OOD): 15 days of leave is granted to faculty for official University work or Examination or Squad duties

Compensatory leaves: Such of the faculty members intend to avail compensatory off shall apply and obtain prior sanction of the principal.

Other Benefit Measures for Teaching Staff Include:

1. The employees are also provided comprehensive dental care and can avail free and subsidized treatment facilities at the Institution.
2. Staff quarters are available within the premises
3. Health care measures for teaching and non-teaching staff. Recently COVID Vaccination drive was organized for all staff and students at the college.
4. There is COVID Testing centre at the College organized along with the BBMP officials where Faculty, students and patients can get the COVID test done.
5. Water filters are installed at the reception area to provide safe water to employees, students.
6. Wi-Fi connectivity is available at all Departments and Administrative office for smooth functioning and proper documentation.
7. Many other safety measures like First aid kit, Fire extinguishers, Fire alarm system, and Emergency exit and CCTV cameras are installed at the Institution.
8. Bank and ATM facility is available to all staff and students within the college premises.

File Description	Document
Upload any additional information	[View Document](#)
Paste 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: 1.42

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
5	0	3	0	10

File Description	Document
Upload any additional information	[View Document](#)
Details of teachers provided with financial support to attend conference, workshops etc during the last five years	[View Document](#)

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

Response: 5.8

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
11	3	5	7	3

File Description	Document
Upload any additional information	[View Document](#)
Reports of the Human Resource Development Centres (UGC ASC or other relevant centres)	[View Document](#)
Details of professional development / administrative training Programmes organized by the University for teaching and non teaching staff	[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: 15.98

6.3.4.1 **Total number of teachers attending professional development Programmes viz., Orientation / Induction Programme, Refresher Course, Short Term Course year-wise during the last five years**

2020-21	2019-20	2018-19	2017-18	2016-17
65	36	20	53	12

File Description	Document
Upload any additional information	[View Document](#)
Reports of the Human Resource Development Centres (UGC ASC or other relevant centers)	[View Document](#)
IQAC report summary	[View Document](#)
Details of teachers attending professional development programmes during the last five years	[View Document](#)

6.3.5 Institutions Performance Appraisal System for teaching and non-teaching staff

Response:

The duly filled Self appraisal form is received from each faculty at the end of every semester.

The following parameters are considered in the Performance Appraisal System:

- Students feedback,
- Performance of students in IATs,
- University exams result analysis

- Faculty research activities
- Faculty registration for PhD
- Faculty paper publication in reputed journals, and Publications
- Faculty achievement in non-academic activities.
- Faculty involvement in University work.

Students' feedback will be taken at the end of each semester for each subject. Based on the students' feedback analysis is being done.

If the faculty member scores less than 75% then proper counselling is given by Head of the Department.The performance of a faculty is assessed based on the mark allocation to the above criteria.Duly filled self appraisal form is received from every faculty at the end of the semester .The HOD's evaluation is done at department level and consolidated report will be prepared by HOD and submitted to the Principal for further action.

The following factors are effectively scrutinized in the appraisal system for teaching staff. The Students feedback, University Examination results, involvement, commitment and achievement of a faculty with respect to his/her non-academic activities. The duly filled Self appraisal form is received from each faculty at the end of every semester.

According to the class room teaching, presentation techniques, course delivery, evaluation of test papers, syllabus coverage and fulfilling the academic commitments in time; the performance of a faculty is assessed based on the mark allocation to the above criteria.

The faculty appraisal process is based on Self-appraisal report; providing the information about academic performance, Research activities, developmental activities of department and institute. The student's feedback based on online and oral in class committee meeting. The HOD's evaluation based on the above analysis subsequently the following actions are implemented; Faculty members are encouraged to evaluate and identify their strengths and weaknesses aspects.

The pace of their deliverables as per the students' requirements is satisfactorily matched by the faculty members. The completion of the syllabus on time is done by the faculty members based on the suggestions given to them and extra lecture classes are arranged if necessary.

Encouragement is given to the faculty members, to participate in conferences and publish the research papers in the international / national journals. By granting OD to the faculty members based on their competency requirement, are counselled to attend FDP, STTP and workshops organized by the reputed Institutions / universities. The faculty members are encouraged to organize national / international seminars / guest lecturers / workshops/conferences by sponsoring such events from the institute.

Periodically appraisal interviews are conducted to evaluate the teaching skills, depth of subject knowledge. The performance of the faculty is observed by Head of department and Principal. The report of the Head of the department is considered for the performance of non-teaching staff members.

File Description	Document
Upload any additional information	**View Document**
Paste 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:

The Oxford College of Engineering is a Self–Financing Institution and has a well-established mechanism for accounting income and expenditure of the college. Finance committee is constituted at college level which prepares budget before the beginning of financial year.

Qualified Internal Auditors have been permanently appointed to carry out a thorough check and verification of all transactions. Likewise, an elaborative external audit is also carried out on annual basis. To keep track of income and expenditures, internal auditors compare statement of estimation with the budget prepared before utilization of funds. In addition to this external auditors are also appointed to verify and certify the entire Income, Expenditure and the Capital Investment of the college each year.

Internal audit performs a wide spectrum of activities such as:

- Evaluating the accounting and internal control system
- Examining the routine operational activities
- Physical verification of inventory at regular intervals
- Analysing financial and non-financial information of the organization
- Detection of frauds and errors

External audit is carried out in an elaborate manner on yearly basis by External Agencies. An external audit does not have a standard length; audit goes on until task is accomplished. External audit begins at the end of the fiscal year. The external auditors will communicate with internal auditors when any questions arise during the process. The external auditors are no way influenced by the internal auditors.

At the end of the audit, the external auditors prepare and deliver a summary report to the college. The summary report details, all the findings from the audit. This includes discrepancies found in the reporting and non-compliance of rules and regulations. The auditor's findings offer the college a way to correct any discrepancies and become compliant before a regulatory body assesses.

Team of internal and external auditors propose Board of Management with statements of accounts on surplus/deficit funds and provide plans/measures for utilization/recover surplus/deficit funds.

The observations, if any, made by the external auditors will be referred to the Board of Management on the instructions of which the accountant will suitably answer the queries raised by the external auditors.

So far there have been no major findings/ objections. Minor errors or omissions when pointed out by the audit team, are immediately corrected/ rectified and precautionary steps are taken to avoid recurrence of

such errors in future.

All the statutory audits of the college have been completed in satisfaction up to FY 2019-20. College have taken all the necessary action to complete the communication from all the segments of system and transform the application data as per the needs of recurrence of system. It also incorporated to identify the lacuna and must be rectify .The Internal audit committee have given suggestions to improve the system based on required area and functionality of engineering task. It helps to understand the internal problem and must be rectifying with given guidelines. It will also help to improve the functionality of assigned task and audit process that have more impact of system.

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

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

Response: 0.65

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
0.10	0.10	0.20	0.17	0.08

File Description	Document
Details of Funds / Grants received from of the non-government bodies, individuals, Philanthropers during the last five years	View Document

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

Response:

Financial Resources are the funds required for the smooth operations of a college and are regarded as the life- wire of any system. It is indeed a more critical facet with which other factors of administrations are created, maintained and sustained. In college administration, funds are necessary for the Procurement of facilities, equipment, electronics and communication gadget needed for effective performance. Apart from this, funds are needed to pay the salaries of administrative, academic and non-academic staff. A robust financial allocation for college administration would not only enhance goals attainment but its

sustainability. Plan and policy implementation are responsive to funds availability

The Oxford College of Engineering is a self-finance institution, where the funds are generated by the following means:

- Tuition fee
- Hostel Fee
- Government funds- in the form of Scholarships, Fees Reimbursement, Research Grants, implementation of government schemes like skill development etc…..
- Grants From individuals, philanthropist
- College Development Fund
- Alumni Contribution
- Deficit is managed by the parent trust

- Tuition fee and Corporate grant is used for the infrastructure and academic activities

- Government funds are optimally used for which it is sanctioned
- Transparency and accountability is ensured by conducting an annual audit of the statements
- Financial support provided by the government agencies are audited by the respective Government Departments

Before the financial year begins, Principal and heads of Departments prepare the college budget taking into consideration of recurring and non-recurring expenditures.Accordingly, all the administrative and academic heads are requested to submit the budget required for the subsequent financial year. Along with this all co- coordinators of different committees viz., Research committee, Examination committee, NSS, etc. Laboratory in charges also submit their budget to principal. All the major financial decisions are taken by the governing body.

Optimal Utilization of Resources

All the Major Financial Transactions are analyzed and verified by the governing body under different heads like

- Salary , Appraisal & Perks paid to staff
- Honorarium paid to out sources services
- Fees paid to Training Institute
- Annual affiliation fee paid to appropriate authorities
- TA & DA paid to the staff
- Expenditure on Transport
- Expenditure related to Research & Development, Scientific event organization & participation.
- Furniture & Fixtures
- Training & Placement
- Software & Internet charges
- Library Books / journals
- Repair & maintenance
- Printing , stationary & postage

- Equipment & Consumable
- Recurringexpenses, electricity, communication, Generator & fuel.

Utilization of Funds

- A finance committee has been constituted to monitor the optimum utilization of funds for various recurring and non-recurring expenses.
- The purchase committee seeks quotations from vendors for the purchase of equipment, computers, books, etc.
- The quotations are scrutinized by the finance and purchase committee before a final decision is made based on parameters like pricing, quality, terms of service, etc.

Internal audit is conducted by the auditing team constituted in the institution at regular intervals and external audit is conducted by charted accountant every financial year.

File Description	Document
Upload any additional information	[View Document](#)
Paste 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

Response:

IQAC was duly established and has been fully operational since August 17,2011. Mentoring is being standardized at the institutional level primarily to a significant contribution from the quality assurance cells. A course file template is given for evaluating the teaching-learning process at the course level.

Mentoring:

Mentors developed and maintained a mentoring sheet for each student for the duration of their studies at the institution, which included a record of their progress as well as prior academic history. Each faculty member is given a group of 20 students to mentor. Unless either the student or the mentor specifically requests a change, they remain the mentors for the duration of the study. The mentors acquire critical facts from the institute office. Mentors keep frequent communication with parents/guardians and keep them updated on their children's progress. Even if the student intends to leave campus early, the mentor should sign the gate pass and confer with the parents before authorizing the request. The mentors, in coordination with the course professors, review the student's progress and evaluate the student's comprehending skills. The mentors recommend remedial or makeup classes to the department heads based on their performance and attendance data. The HODs are also informed of the students' areas of interest so that industry-led events can be hosted at the college. Mentoring hour is incorporated into the schedule to make it easier for students to meet their mentors. Due to prompt identification by the mentors, special tutorial hours have

been provided on several cases. During mentoring, students' communication skills are reported extensively.

Course file :

A course file has been prepared in order to effectively deliver a course. The it Course file contains information about

- prerequisite/precursor courses.
- Topics in the course will be delivered according to a schedule.
- Text/Reference/Additional books.
- The mapping of course outcomes (COs) to PO/PSOs.
- Gaps in the curriculum, as well as suggested activities and resources Topics that aren't on the syllabus.
- Course materials for MOOCs can be found on the web. Methodologies for teaching.

In this approach course file will be prepared at the beginning of the semester by the concerned subject faculty. In that lesson plan will be prepared according to calendar of events. As per lesson plan portions are to be covered and that will be monitored by IQAC before every internal assessment test. After the internal assessment test result analysis will be done. In the result analysis slow learners and advanced learners will be identified. For slow learners council ling will be done by the mentors and then remedial classes will be implemented. The progress of slow learner's will be monitored by the mentors and subject teachers. And for advanced learners will be motivated to score cent percent results in the subject.

File Description	Document
Upload any additional information	[View Document](#)
Paste 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 being the central body within the college monitors and review the teaching-learning process regularly. Based on feedback various innovative activities and reforms were introduced. The improvements based on feedback implemented are:

IQAC periodically reviews the teaching-learning process, structures & methodologies of operations, and learning outcomes: The standard methods of teaching, learning, and evaluation which are proven over the years are being followed.

Academic Calendar: Based on the University Academic Calendar the Institute schedules the academic calendar well in advance at the start of the year with ample time frame for not only the regular teaching-learning process but also to accommodate the various events like seminar/ webinars/Industrial visits/guest lecture/ workshops/ FDP's/ Hands-on-series and many more.

Preparation of lesson plan for each Semester: The lesson plan is prepared well in advance by the faculty members for all the subjects they teach in that particular semester. Enriching the curriculum with guest lectures, industrial visits, and Internships

Daily lecture Record: Everyday faculty prepares and submits details of the lecture along with the topic covered on a online portal. During the offline classes, each teaching staff will be conducting their classes as per the lesion plans and same will be recorded in the Teachers Dairy, further lecture notes /PPTs will be circulated.

Evaluation of teachers by students: The institution has a feedback system to evaluate the teachers by students. The regular evaluation of the teachers by the students, feedback on teaching methodologies, course delivery, attitude, strengths and weaknesses, difficulties faced in the subject give a clear idea about the problems faced by the students. Director and management also monitor the feedback system and takes appropriate corrective actions.

Student learning outcomes: The institute monitors the performance of the students regularly. It has specified procedure to collect and analyze data on student learning outcomes; the following points are adopted by the institute in this context:

1. Regular class tests and interactions
2. Three Internal assessment Tests are conducted in the intervals of 5 weeks gaps, same will be communicated to both parents and students
3. Continuous evaluation comprising of internal tests, assignments, group discussions, and seminar presentations.
4. Semester system of examination for all courses.
5. Providing Question bank of various subjects to the students.
6. Providing Lecture notes through an online portal
7. Timely Redressed of students 'grievances.
8. At least 75% Attendance is compulsory in each semester.

Academic administrative Audit is introduced& implemented in the Academic session An academic administrative audit committee has been constituted by the Principal of the College to review the academic process of the programs The audit committee members are nominated from the various departments of our college .

•The audit committee will conduct academic audit periodically with prior intimation to assess the academic process and submit the report to the Principal.

• Based on the suggestion given by the academic audit committee members, corrective action is taken by the Principal.

• Teaching learning process is further improved by academic audit and effective corrective measures taken by the principal.

File Description	Document
Upload any additional information	[View Document](#)
Paste 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 intitiatives with other institution(s)**
3. **Participation in NIRF**
4. **any other quality audit recognized by state, national or international agencies (ISO Certification, NBA)**

Response: A. All of the above

File Description	Document
Upload e-copies of the accreditations and certifications	[View Document](#)
Upload details of Quality assurance initiatives of the institution	[View Document](#)
Upload any additional information	[View Document](#)
Paste web link of Annual reports of Institution	[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:

The Institution organizes various gender sensitization program and activities to create awareness about gender issues in the campus. Gender sensitization programs and events are organized to create awareness within the student community. Activities like Annual sports meet, Intramural sports activities, cultural events are organised to promote gender equity.

Security for students and staff is provided by various means like:

1. CCTV camera for staff– there is a CCTV surveillance system followed in the campus for the security of students and staff.
2. Security guards- security staff are available at specific points in the campus. Security checks are conducted on all vehicles and people entering the premises
3. Fire extinguishers- are placed at significant points in the campus to support and ensure safety to human life in case of fire accident.
4. ID cards for students- it is mandatory for all students and faculty to wear their ID cards in the campus. Visitors need to make entry at the register available with the security at entry point.

Students in the college are taken care individually by different methods like:

1. Centralised SMS system through the ERP ensures that all receive the necessary, accurate messages on time in case of an emergency
2. Women's grievance redressal cell and Anti sexual Harassment Committee - This cell prevents any kind of harassment and promotes the well-being of the women students, teaching and non-teaching women staff of the college
3. Anti -ragging squad- This squad works actively to safeguard the students' integrity in the campus so that no untoward incident takes place in the campus premises.
4. Separate girls' common room- there is a well maintained separate girls common room where students can take rest – due to health conditions.
5. Health care- a full time qualified physician with first aid facilities is available to treat in-patient/ out-patient or any emergency situations.
6. Separate girls' and boys' hostel- the institution has separate hostel for girls and boys. For security reasons the girls hostel is inside the college campus and there is 24/7 security available at the entrance. A female warden is on duty 24/7 with assistant warden to monitor the attendance of the girls as well as to take care of the girls personally.
7. Mentoring system- An organized well structured mentoring system is practiced in the institution. Every faculty is assigned as a mentor for a batch of 20-25 students. The mentors counsel and mentor the students on the academic as well as non-academic aspects of the students. Girls are empowered to share their concerns in confidentiality if any, with female faculty -counselors beyond the college hours. A Student mentor register is maintained by their respective mentors throughout the duration of the study.

File Description	Document
Link for 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](#)
Link for 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](#)
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:

1. The institution is actively involved in segregating and managing the degradable and non-degradable waste into solid waste, liquid waste, bio medical waste, E-waste and Hazardous chemical and radioactive waste.
2. 'Let's go green and keep our campus green' is followed in the institution. To achieve this motto many initiatives have been implemented like – Use of renewable energy, usage of plastic is been

reduced to minimum in the campus. Campus is also tobacco free zone, water purified and discharged from the sewage treatment plant is reused. Waste management included regular collection, transportation, treatment and disposal of waste in an efficient manner to maintain environmental hygiene. Most of the communication is sent through email, as the use of paper is very minimum.

3. Solid waste generated at the college constitute paper, old assignment books, blue books, book wrappers, glass, metal scrap, plastic, old newspaper, used paper, files, workshop scrap etc. These are segregated and given for recycling to external agencies. Non degradable waste like grass, plastic, metal are given to external agencies where they segregate according to the nature of the waste. Sanitary napkins are also disposed in the environmental friendly way with the use of sanitary napkin incinerators in girls' hostel.

4. Liquid waste generated in the campus includes sewage, laboratory, laundry, hostel and canteen effluent waste, this is treated through the sewage treatment plant set up in the institute with a capacity of 240KLD. The treated water of the entire campus is used for watering the gardens and lawns maintained in the campus. The sludge in the STP is removed, dried and used as manure for the plants.

5. The laboratory waste water does not contain any hazardous chemicals and it is periodically monitored by the maintenance team. Waste water entering the STP is regularly tested for certain specific characteristics like Chemical oxygen demand, Bio-chemical Oxygen Demand, Total suspended solids, Total dissolved Solids, pH and Colour, on regular intervals.

6. E-waste comprises of CPUs, Monitors, Projectors, Mother boards, Keyboards, Obsolete computer spare parts, mouse etc. The E-waste that are not reusable are dismantled and remanufactured into raw material and sent to agency authorized by Karnataka State Pollution Control Board for disposal. They process the E-waste   to ensure that the E-waste does not end up in a landfill. UPS Batteries are recharges/ repaired/ exchanged   with the suppliers. Students are also sensitized to maintain a neat and tidy campus through   the comprehensive waste disposal management system. Waste compact discs and other non-hazardous items are used are used creatively for decorations during events.

File Description	Document
Any other relevant information	[View Document](#)
Link for Geotagged photographs of the facilities	[View Document](#)
Link for Relevant documents like agreements/MoUs with Government and other approved agencies	[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](#)
Any other relevant information	[View Document](#)
Link for any other relevant 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](#)
Link for any other relevant information	[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](#)
Certificates of the awards received	[View Document](#)
Any other relevant information	[View Document](#)
Link for 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
Policy documents and information brochures on the support to be provided	[View Document](#)
Geotagged photographs / videos of the facilities	[View Document](#)
Details of the Software procured for providing the assistance	[View Document](#)
Any other relevant information	[View Document](#)
Link for 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:

The institution provides inclusive environment that teaches tolerance and harmony among the students. Various activities are conducted to motivate students to understand cultural diversity and to mould them into socially responsible citizens. The college conducts many national and state level events and festivals with great enthusiasm. It helps the students to comprehend other cultures, cultivates peace in them, and prepares them to be good citizens. These admirable qualities are deeply established in the college

community's set of core values.

1. **Annual TechFest**: College conducts various national and state level festivals where students are given opportunities to showcase their talents. During Annual Techfest students participate in various events and win prizes. The two day fest provides an opportunity for the students to showcase their talents both in technical and in cultural fields. All departments combine together to organize the events and host them. It provides an occasion for students to mingle beyond the barriers of caste, creed and gender and instils in them communal harmony.

2. **Festivals:** During Ayudha pooja students participate and decorate their classrooms and labs and perform pooja. In Karnataka, Dussehra symbolizes the victory of good over the evil.   The annual harvest festival Onam is also celebrated.

3. **Kannada Rajyotsava:** Kannada Rajyotsava is celebrated on 1st November every year and it is the day Karnataka was formed. On this day, Principal of the college hoists the Karnataka flag. Eminent personalities are invited to grace the occasion and this is followed by cultural events by the students.

4. **Outreach Activities**: Blood donation camps in association with NSS and outreach activities are conducted to inculcate the awareness on humanistic approach to being a responsible citizen

5. **Yoga camps** on International Yoga Day is organized to inculcate a habit of health fitness regime among the students.

6. **Blood donation camps** in association with NSS wing of the college is organised. Other outreach activities under the banner of Swachh Barat Abhiyan, RashtriyaEkta Divas etc. are organised regularly to introduce the concept of social responsibility among students.

7. **Speeches by eminent personalities** on ethics, values, duties and responsibilities as a responsible citizen are conducted to encourage students to co-opt core human values as part of their personality.

8. **Soft Skills and Communication Classes**: Language barriers are minimised by using English as the common language during business hours. However, it is made sure that nobody is excluded due of language shortcomings. To minimize linguistic divide and to ensure harmonious living, for the benefit of mediocre students, English communication classes are conducted

The above list is an indication of some of the initiatives taken by the institution to mould the students into social responsible human beings with the ability to sustain themselves in their professional and personal life.

File Description	Document
Link for any other relevant information	[View Document](#)
Link for 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:

Various activities are conducted by the institution to enlighten the students and staff about the constitutional obligations and also to understand values, rights duties and responsibilities.

1. **Respect to National Flag**- Students and staff participate in National flag hoisting on Independence Day and Republic Day. Celebration of Gandhi Jayanthi and pother freedom fighters instils a feeling of patriotism among all.

2. **Service before Self-**The College organizes NSS camps. It conducts many social outreach programs and creates awareness about socially relevant issues amongst general public. Health and blood donation camps are held for the benefit of the people. The students are provided with great opportunity and make them responsible citizens with humanist approach.

3. **Environmental Preservation**- The college follows the motto 'Lets' go green and keep our campus clean'. The campus is green and green landscape and foliage with innumerable plants and trees are maintained in and around the campus. Students also participate in tree plantation activities and Swachh Bharat Abhiyan drives are conducted to inculcate a habit of sustainable development without causing harm to environment. Another initiative in the campus is solar generation to partly compensate power requirements of the college.

4. **Cultural Harmony** – The college has students from culturally diverse background and the management promotes the celebrations of various cultural and religious festivals in the college. When students participate in each other's festivals, it culminates in their holistic development and religious tolerance.

5. **Rights to equality and freedom**–To address concerns and encourage students to internalise high standards of ethical principles, the collegehas formed a grievances redressal cell and an anti-ragging commission, among other things. Gender sensitisation programs are held to educate students. Students serve in the IQAC, Students Council and other committees. It has given students a good platform to bring up any grievances with the administration to prompt resolution.

6. **National Voter's Day:**Every year on January 25th, it is observed to raise awareness of adult voting rights and inspire young people to participate in politics. Students are taught participatory democratic principles as a result.

7. **Cleanliness Initiatives**- Tobacco and plastic are not allowed on our campus. The campus uses very little plastic, and biodegradable plastic is utilized whenever it is necessary to limit environmental contamination. Regular awareness campaigns are undertaken to raise awareness of the need to eliminate all plastic from campus in order to support the government's Swacch Bharat activities. Usage of Paper is minimum. Email is used to send the communications.

8. **Expert Talks**- Eminent people are invited to render talks so as to enable students be responsive towards constitutional obligations and inculcate human values, to be socially responsible citizens.

9. **Constitutional Obligations**- many activities pertaining to Swachh Bharat Abhiyan, Rastriya Ekta Divas, Jan Andholan, International Yoga Day, International Women's Day, Matrubhasha divas are conducted with reference to constitutional obligations by students and staff in the college.

File Description	Document
Link for details of activities that inculcate values necessary to render students in to responsible citizens	View Document
Link for any other relevant information	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](#)
Any other relevant information	[View Document](#)

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

Response:

Commemorative days are celebrated to promote national unity, integrity and patriotism among students and faculty. National events like Independence Day and Republic day, Gandhi Jayanthi, National voters' day are celebrated to instill a feeling of patriotism, national unity and integrity among the youth.

- **Independence Day**: The institution celebrates Independence Day on August 15 each yearsymbolizing the nation's independence and the heroic sacrifice of our freedom fighters. The Chief Guest raises the flag to represent the freedom of the country and the valiant sacrifice of our liberation soldiers, the National Anthem is then performed in chorus.
- **Republic Day**: Every year on January 26th, TOCE celebrates the Republic Day with patriotic zeal. The National Anthem and patriotic songs are performed after the national flag is hoisted to begin the celebration. Republic Day commemorates January 26, 1950, the day on which the Constitution of India came into effect.
- **Gandhi Jayanthi:** Gandhi Jayanti, which commemorates the birthday of Mahatma Gandhi, the "Father of Our Nation," is observed on October 2. On this holy day, prayer services are observed and both students and professors engage in social outreach initiatives.
- **Dr. B R Ambedkar Jayanthi**, is celebrated on 14th April every year, signifying equality, women rights, eradication of ills of caste system and other superstitions.
- **Engineer Day:**As a respect to the renowned engineer Bharat Ratna Sir. M Visvesvaraya his birthday September 15th is celebrated as Engineer's Day. Student competitions are conducted on this occasion.
- **Teachers Da**y: Dr. S. Radhakrishnan's birthday is celebrated as Teacher's day. Students organize

special programs for teachers. The life stories of Dr. S. Radhakrishnan give us guidance and motivate us in our professional life and enables to internalize the Guru-Shishya tradition.

- **International Women's Day**: International Women's Day is celebrated every year on 8th March and highlights the various roles of women in our personal and professional life. It also exhibits the sheer determination of ordinary women in our country.
- **Constitution Day** is celebrated every year on 26th November, signifying the adaption of the Constitution.
- **International yoga day** is celebrated every year on 21st June in association with international organizations like 'Art of Living' and other eminent Yoga trainers. Special yoga session are conducted for staff and students to promote good physical and mental health.
- **National ScienceDay**commemorating in honour of the nobel laureate Sir C V Raman is celebrated on 28th February every year. Exhibitions and project displays are organised in Science and Technology areas and students participate with their models under the auspices of Science Association.
- **National Mathematics day**in remembrance of Dr. Ramanujam is celebrated on 22nd December every year.
- **Matrubashadivas**: In order to raise awareness of linguistic and cultural variety and to encourage multilingualism, every year February 21st is observed as International Mother Language Day. Students from different states and different places participate in this beautiful event.

File Description	Document
Link for Geotagged photographs of some of the events	[View Document](#)
Link for 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:

Best Practice-1.

I. Title of the Practice: Mentor System

II. Objective of the Practice: The main objective of the Mentor System is to ensurethat each student is taken care individually in which they can talk about theiracademic and personal development and career planning.

III. The context

A great advantage of the Mentor system is the individual attention that students receive. Every 15 to 20

students in a class will have a dedicated Mentor in order to support for theacademic and personal development and welfare of the students.

Mentoring system involves in providing academic advice and support to the student across the programme of study and reviewing wider academic progress continually. Mentor provides an academic reference to expert services with regards to study, industrial readiness and placements or further study. Their support extends toprovide a listening ear for problems, both personal and academic. This system provides an excellent chance for a strong rapport to develop betweenmentor and student.

IV. The Practice

For each 15 to 20 students one faculty will be assigned as mentor to help the students in their academic as well as in their personal issues. Beginning of the semester itself the eligible mentor list will be prepared by the HoD and it will be circulated to the entire faculty. And the circular will be issued to all the mentors by stating their responsibilities as mentors and the allotted mentees.

Regarding the personal issues the mentees are allowed to meet the mentor at any time. Regarding the academics, after each internal test the mentor mentee meeting will be conducted by the mentor for their mentees to discuss about their academic performances. The Agenda for the same will be issued in prior and for each meeting, minutes will also be prepared. Based on their performance in the IAT suggestions and guidance will be given by the mentor for their improvement in the academics and placement.

V. Evidence of Success:

Whenever a student's personal or other circumstances are impacting on theiracademic progress they will inform their mentor, and discuss ways to resolve suchcircumstances. Students play active role in their learning and development in the College with adegree of professionalism.

VI. Problems Encountered and Resources Required

Efforts have to be made to inculcate sense of guardianship in the faculty members for increased effectiveness of the "Mentor Mentee "Scheme. Making the students realize the importance of sharing their problems/issues with their respective mentors.

Human resources:

1. Mentor- Teacher

2. Mentee-Students

Material resources:

1. Mentor-Mentee Booklet

Best practice-2

I. Title of the practice: Environmentally friendly practices and Go- Green initiative

II. Objectives:

• To promote environmentally friendly practices within the college premises

• To create awareness about environment and educate patients on greener initiatives

• To ban the use of plastics within the campus

• To take action to protect the environment

• To inculcate the importance of recycling

• To promote and ensure minimal waste production

III. The Context: The problems faced due to environmental pollution can be tackled by all- in approach, and hence the college attempts to play its role in the Go Green initiative. The college attempts to moderate between proper waste disposal and minimal waste production by the use certain agendas like ban of plastic use within the campus.

IV. The Practice: As a part of the Go Green initiative, multiple steps have been taken by the college, in a campus wide approach. The steps are taken to ensure proper utilization of the resources available- both non-renewable and renewable. An active participation by the students and staff is demanded. These include-

• The campus is a plastic free zone

• Promoting cycles and other green forms of transportation

• Restricted use of vehicles within the campus

• Use of recyclable products

• Judicious use of water and other non-renewable resources

• Plantation of trees in the campus

• Recycling of wastewater is done within the campus premise

• Celebration of world environment day

V. Evidence of Success: the campus produces lesser plastic waste since the ban of plastics. There is increased motivation within students and staff alike towards Go- Green tasks.

VI. Problem Encountered: student encouragement and motivation towards the ban of plastic.

File Description	Document
Link for Best practices in the Institutional web site	[View Document](#)
Link for 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:

Distinctiveness of the institution is portrayed in its Research and Development activities.

The institution has a well-established Research & Development ecosystem that is an amalgamation of Research & Development Cell, IPR, Entrepreneurship cell, Institution Innovation Cell and R&D Centres for the creation and transfer of knowledge.The Institute has recognized Research and Development Centre inall the department with eminent professors recognized to guide candidates forDoctoral degree.

The institute has implemented a number of measures to improve the research culture and ecosystem for innovation, including:

• Seed funding for idea proposals and proof-of-concept development

 • Incentive for research grants—faculty who get research grants will receive a monetary incentive

• Financial support for research publishing – Faculty will get funding to publish their research findings in reputable journals.

Research & Development Cell

In order to develop technical knowledge among the students, the R&D cell encourages student involvement in a variety of hackathons, Ideations, symposium/conferences, exhibits, and fairs. By utilizing the infrastructure and resources available throughout the Oxford group of Institutions, the research and development council promotes interdisciplinary/multidisciplinary, inter-institute, and intra-institute initiatives. The Center regularly hosts Review sessions to go over the results of supported projects and research being done for PhDs. The Center also regularly hosts seminars on research technique, drafting research proposals, writing research articles, searching for patents, researching patents that have expired or been abandoned, and entrepreneurship possibilities, startup programmes, etc.

In last 5 Academic Year, the faculty of The Oxford College of Engineering has presented 34 papers in international conferences. There is total 7 books published in last 5 academic years.In last 5 Academic Year, the faculty of The Oxford College of Engineering has published papers invarious National &International Journals. There is total 2 National publications and 176International publication in last 5 academic years.

Research Grants

The Research Committee aim is to serve as interface between faculty and funding agencies (Government and Non-Government) through gathering and disseminating information about the availability of various research grants to execute their novel innovative ideas. For the year 2016-17, total grant of Rs.9,45,440/- was received from various funding agencies. In the academic year 2017-18 Rs.23,33,824/- was received from different funding agencies. Rs.5,41,500/- was the grants received from funding agencies in 2018-19. In 2019-20 Rs.1,00,62,147/- was the research grants received from various funding agencies. In 2020-21 Rs. 5,33,331/- is the research grants received.

IPR Cell

The oxford KSCST-VTPC patent and innovation cell provides Technical and financial assistance for Patent filing through Institution IPRcell. he faculty with novel ideas, innovative concepts, and research findings will be identified, and technical assistance in prior art search, literature review, and evaluating novelty, non-obviousness, and commercial potential of their research findings is provided. The patent and innovation cell provides support for IPR filing with assistancefrom government schemes through KSCST IP Cell, NRDC, DBT, MHRD KAPILAscheme, TIFAC schemes etc.,

Institution Innovation Cell

An Industry Institute Interaction Cell works in close coordination with theindustries and the institute for encouraging both students and faculty towork on live projects. Motivates faculty and students to take up appropriate problems of theindustry relevance for their R&D projects.The Institute initiate and promote MoU with industries and R&Dorganizations for consultancy, collaborative research, sponsored projects,industry institute interactions etc.To arrange brainstorming sessions through talks by eminent personalitiesfrom industry, R&D organizations and institutions of repute for the betterunderstanding of research methodology and practices currently followed.

MOUs

The Institute initiate and promote MoU with industries and R&D organizations for consultancy, collaborative research, sponsored projects, industry institute interactions etc.

The Institute's R & D Cell offers "Techno-platforms" to its faculty and students by planning Webinars, Symposiums, Conferences, and Techno-meets, during which eminent Scientists from around the world who work for various Research institutes, Industry, and Academia visit the facility and engage in dialogue with the staff and students.

NCSEM (National Conference on Science, Engineering & Management)

NCSEM is one such event which is being organized since 2016.The unique ideabehind this National Conference was to provide a platform for academicians, Scientists, Researchers and Industryprofessionals from around the country to network and exchange their innovative ideas, have scientific discussion on thelatest advancements in the interlinked domains of Engineering, science and business.NCSEM 2K20 is unique in the sense it was a Virtual conference, which had series of Brain storming sessions from 24 eminent personalities across the Globe. NCSEM-2k20 registered, 1400 delegates across the Nation, providing them a platform to interact with reputed scientists from USA, Germany, Australia, China & Malaysia, 800 delegates presented their Research findings through virtual mode.

File Description	Document
Link for appropriate web in the Institutional website	[View Document](#)
Link for any other relevant information	[View Document](#)

5. CONCLUSION

Additional Information :

The College has received several awards and recognitions in last five years viz: Atal Ranking of Institutions on Innovation Achievements and Rated as 2 stars in the Institution Innovation Cell by Ministry of Education, Government of India among the Top performing institutions across India in Higher Education.

During this crisis of COVID-19 pandemic the management and staffs of The Oxford College of Engineering developed the online learning solutions as a wonderful ongoing duty of care to the educational personnel.Online learning has taken place through online platforms to harmonize semesters and academic calendars, as some programs have been successfully implemented online.Web-based class meetings and messaging applications have become useful tools and new ways of communicating with the students and the education community.

Concluding Remarks :

Since inception of the institution 22 years. The efforts which are made in the direction of Vision and Mission, the accomplishment towards the community though satisfying, institution is focussed for continuos improvement in Education, Field and Research.

6.ANNEXURE

1.Metrics Level Deviations

Metric ID	Sub Questions and Answers before and after DVV Verification
1.1.3	**Teachers of the Institution participate in following activities related to curriculum development and assessment of the affiliating University and/are represented on the following academic bodies during the last five years** 1. **Academic council/BoS of Affiliating university** 2. **Setting of question papers for UG/PG programs** 3. **Design and Development of Curriculum for Add on/ certificate/ Diploma Courses** 4. **Assessment /evaluation process of the affiliating University** Answer before DVV Verification : A. All of the above Answer After DVV Verification: A. All of the above
1.3.2	**Average percentage of courses that include experiential learning through project work/field work/internship during last five years** 1.3.2.1. **Number of courses that include experiential learning through project work/field work/internship year-wise during last five years** Answer before DVV Verification:

2020-21	2019-20	2018-19	2017-18	2016-17
431	428	430	427	422

Answer After DVV Verification :

2020-21	2019-20	2018-19	2017-18	2016-17
25	25	26	15	17

Metric ID	Sub Questions and Answers before and after DVV Verification
2.1.1	**Average Enrolment percentage (Average of last five years)** 2.1.1.1. **Number of students admitted year-wise during last five years** Answer before DVV Verification:

2020-21	2019-20	2018-19	2017-18	2016-17
633	738	732	784	956

Answer After DVV Verification :

2020-21	2019-20	2018-19	2017-18	2016-17
633	738	733	784	957

2.1.1.2. **Number of sanctioned seats year wise during last five years**
Answer before DVV Verification:

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

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)**
	
	   2.4.3.1. **Total experience of full-time teachers**
	   Answer before DVV Verification : 1544
	   Answer after DVV Verification: 1434

3.1.2	**Percentage of teachers recognized as research guides (latest completed academic year)**
	
	   3.1.2.1. **Number of teachers recognized as research guides**
	   Answer before DVV Verification : 16
	   Answer after DVV Verification: 15

3.3.1	**Number of Ph.Ds registered per eligible teacher during the last five years**
	
	   3.3.1.1. **How many Ph.Ds registered per eligible teacher within last five years**
	   Answer before DVV Verification : 29 3.3.1.2. **Number of teachers recognized as guides during the last five years**
	   Answer before DVV Verification : 9
	   Answer after DVV Verification: 15

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)*
	
	   4.1.3.1. Number of classrooms and seminar halls with ICT facilities
	   Answer before DVV Verification : 80
	   Answer after DVV Verification: 51

4.1.4	**Average percentage of expenditure, excluding salary for infrastructure augmentation during last five years(INR in Lakhs)**
	
	   4.1.4.1. **Expenditure for infrastructure augmentation, excluding salary year-wise during last five years (INR in lakhs)**
	   Answer before DVV Verification:<table><tr><td>2020-21</td><td>2019-20</td><td>2018-19</td><td>2017-18</td><td>2016-17</td></tr><tr><td>294.35</td><td>344.89</td><td>419.15</td><td>23.28</td><td>7.07</td></tr></table>
	
	   Answer After DVV Verification :<table><tr><td>2020-21</td><td>2019-20</td><td>2018-19</td><td>2017-18</td><td>2016-17</td></tr><tr><td>67.95</td><td>43.49</td><td>33.14</td><td>23.28</td><td>7.07</td></tr></table>

4.2.2	**The institution has subscription for the following e-resources** 1. **e-journals**

	2. **e-ShodhSindhu** 3. **Shodhganga Membership** 4. **e-books** 5. **Databases** 6. **Remote access to e-resources** Answer before DVV Verification : A. Any 4 or more of the above Answer After DVV Verification: B. Any 3 of the above
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)** 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)** Answer before DVV Verification: 	2020-21	2019-20	2018-19	2017-18	2016-17
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107475	102950	344529	104090	100960 | Answer After DVV Verification : | 2020-21	2019-20	2018-19	2017-18	2016-17
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1.07	1.03	3.44	1.04	1	
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 for outstanding performance in sports/cultural activities at university/state/national / international level (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
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9	2	16	27	19 | Answer After DVV Verification : | 2020-21	2019-20	2018-19	2017-18	2016-17
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4	2	16	25	19	
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** Answer before DVV Verification : A. Any 4 or all of the above Answer After DVV Verification: A. Any 4 or all of the above

2.Extended Profile Deviations

ID	Extended Questions
1.1	**Number of courses offered by the Institution across all programs during the last five years** Answer before DVV Verification: 	2020-21	2019-20	2018-19	2017-18	2016-17
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681	636	641	649	654 | Answer After DVV Verification: | 2020-21	2019-20	2018-19	2017-18	2016-17
---	---	---	---	---
678	635	631	644	599	
2.3	**Number of outgoing / final year students year-wise during last five years** Answer before DVV Verification: 	2020-21	2019-20	2018-19	2017-18	2016-17
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795	845	837	890	938 | Answer After DVV Verification: | 2020-21	2019-20	2018-19	2017-18	2016-17
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794	845	837	890	938	
3.1	**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
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240	270	285	303	311 | Answer After DVV Verification: | 2020-21	2019-20	2018-19	2017-18	2016-17
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211	214	239	269	286	
4.1	**Total number of classrooms and seminar halls** Answer before DVV Verification : 91 Answer after DVV Verification : 85
4.2	**Total Expenditure excluding salary year-wise during last five years (INR in Lakhs)**

Answer before DVV Verification:

2020-21	2019-20	2018-19	2017-18	2016-17
565.15	662.18	804.77	1039.93	1070.75

Answer After DVV Verification:

2020-21	2019-20	2018-19	2017-18	2016-17
623.43	623.66	681.84	695.19	773.14