



YEARLY STATUS REPORT - 2020-2021

Part A	
Data of the Institution	
1.Name of the Institution	Universal College of Engineering
• Name of the Head of the institution	Dr. Jitendra B. Patil
• Designation	Director
• Does the institution function from its own campus?	Yes
• Phone no./Alternate phone no.	7738898435
• Mobile No:	9029144325
• Registered e-mail	ucoe.principal@universal.edu.in
• Alternate e-mail	director.ucoe@universal.edu.in
• Address	Universal College of Engineering, Near Bhajansons & Punyadham, Kaman Bhiwandi Road,
• City/Town	Kaman, Vasai East
• State/UT	Maharashtra
• Pin Code	401208
2.Institutional status	
• Type of Institution	Co-education
• Location	Urban
• Financial Status	Self-financing

• Name of the Affiliating University	University of Mumbai				
• Name of the IQAC Coordinator	Mrs. Mudra Doshi				
• Phone No.	9773562735				
• Alternate phone No.	8369222419				
• Mobile	9029652532				
• IQAC e-mail address	mudra.doshi@universal.edu.in				
• Alternate e-mail address	mitali.poojary@universal.edu.in				
3.Website address (Web link of the AQAR (Previous Academic Year))	https://universalcollegeofengineering.edu.in/wp-content/uploads/2021/11/aqar-2019-20.pdf				
4.Whether Academic Calendar prepared during the year?	Yes				
• if yes, whether it is uploaded in the Institutional website Web link:	https://universalcollegeofengineering.edu.in/wp-content/uploads/2021/08/Academic-Calendar-for-Odd-Sem-For-HIGHER-Semester-2021-2022-1-1.pdf				
5.Accreditation Details					
Cycle	Grade	CGPA	Year of Accreditation	Validity from	Validity to
Cycle 1	B+	2.51	2018	02/11/2018	01/11/2023
6.Date of Establishment of IQAC			29/07/2016		
7.Provide the list of funds by Central / State Government UGC/CSIR/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.,					

Institutional/Department /Faculty	Scheme	Funding Agency	Year of award with duration	Amount
Computer Engineering- Arduino Based Automated Miniature Model Fire Fighting Robot Budget	Student Welfare Scheme	Vidya Vikas Education Trust	2021	2465
Information Technology- Cloud storage subscription and maintainace for project UCoE Chabot Unibot	Student Welfare Scheme	Vidya Vikas Education Trust	2021	25000
Electronics & Telecommunication Engineering- Sensor based Hand sanitizer project	Student Welfare Scheme	Vidya Vikas Education Trust	2021	1127
Electronics & Telecommunication Engineering- Automatic body sanitizer project	Student Welfare Scheme	Vidya Vikas Education Trust	2021	6197
8. Whether composition of IQAC as per latest NAAC guidelines	Yes			
<ul style="list-style-type: none"> • Upload latest notification of formation of IQAC 	View File			

9.No. of IQAC meetings held during the year	4	
<ul style="list-style-type: none"> Were the minutes of IQAC meeting(s) and compliance to the decisions have been uploaded on the institutional website? 	Yes	
<ul style="list-style-type: none"> If No, please upload the minutes of the meeting(s) and Action Taken Report 	View File	
10.Whether IQAC received funding from any of the funding agency to support its activities during the year?	No	
<ul style="list-style-type: none"> If yes, mention the amount 		
11.Significant contributions made by IQAC during the current year (maximum five bullets)		
<p>1. Industry-Institute Interaction (III) Cell: The Department of Civil Engineering moved in the direction of skill enhancement and improved employability of the students. To achieve this goal, the Department worked towards bridging the gap between content delivered in the Institute and the content expected by the Industry. It planned connections with the Industry experts & understood their expectations in various fields. The content received from the Industry was delivered to students beyond the curriculum of University of Mumbai in the form of Value added courses. The Institute started with three value added programs under III, namely, Structural Engineering Practices (by Mr. Girish Dravid-Director at Sterling Engineering Consultancy Services Pvt.Ltd. and Mr.Nikhil Shanghvi- CEO at Shanghvi and Associates Consultants Pvt.Ltd), Formwork Design (by Mr.Umang Bhavsar- Leading head in Technical department & Central zone of PERI INDIA Pvt.Ltd.) and Concrete Design Practices (by Mr. Suhas Dhuri- Expertised Engineer at ACC R&D division from 1980-2005).</p>		
<p>2. Workshops, FDPs, Webinars & Trainings for Students & faculties E-learning content: 2.A. The main challenge in pandemic for the teaching faculties was to shift to Online lectures and thence to enhance the quality of teaching, Online FDP "Creating Interactive e-Learning Content" was conducted by Assistant Professor Mr.Sridhar Iyer from 18-20June 2020, covering the following aspects: How to effectively deliver your content? How to gamify your teaching learning? How to use Podcasts like environments? How to make</p>		

Stunning Presentations? How to make use of Animations / Story-boarding? How to create interactive Quizzes, Tests and lot more 2.B. On the occasion of World Literature Day a webinar was arranged by Association of Civil Engineering Students(ACES) for final year students on the topic "Literature Review Skills and Patent" on 3rd September 2020. The speaker, Mr. Awab Fakhri conveyed "Do not accept the problem & live with it, instead try to solve it, find the solution by working with the problem" and guided students to research & patent the research. 2.C. 6Days Online FDP on Multi-technology Faculties were given Hands-on training on upcoming Multi-technologies such as AWS technology, React JS, Informatica, Dart Programming, Github, Devops from 28June - 3July 2020. 2.D. Learn to Design Solar Systems for Homes The course empowered the students to understand their own energy needs, the energy needs of their household, and appropriately design a solar system to fulfill their energy needs. The course has been designed and delivered by none other than the Solar Man of India himself- Prof. Chetan Singh Solanki. Universal College of Engineering is associated as a partner in this course under Unnat Bharat Abhiyan scheme wherein more than 150 students registered and completed the course in AY 2020-21.

3. COVID CARE PROGRAMS: Faculties and students learned to perform different breathing techniques, Yoga, Meditation exercises necessary to supply full oxygen to lungs for a healthy life and performed certain asanas under the guidance of trainers from Art of Living.

4. MoUs signed with various Industries for Training & Internship purpose: With the view of enhancing Internship & Training for the students, UCoE signed MoUs with various technical organizations like ICT Academy, Oracle Academy, Palo Alto Networks Cybersecurity Academy, Udemy, Coursera, Ureka Education, EdX Learner Portal, CISCO Network Academy which offered various Certification courses, new technology guidance and also offered internships to students.

5. Enhancement in Online Events: Even with the ongoing pandemic situation, UCoE continued with the extra curricular activities in online mode. The concept behind these activities were to keep the students engrossed mindfully in the technical aspect, social engagement and mental enhancement. Various online events such as Teachers' Day , Engineers' Day, NSS Day Celebration, Hackstomp, BE Students' farewell, International Yoga Day were successfully conducted. Various interviews for installation of Student Associations were conducted online so as to make students aware of their responsibilities and importance of online culture_The NEW NORMAL for all of us.

12. Plan of action chalked out by the IQAC in the beginning of the Academic year towards

Quality Enhancement and the outcome achieved by the end of the Academic year

Plan of Action	Achievements/Outcomes
<p>New students to be provided a structured program aimed to help them adjust and acquaint with the college environment, inculcate in them the ethos and culture of the institution and help them build bond with other students and faculty members.</p>	<p>Successfully conducted virtual Student Induction Program for First year students in the month of March 2021 in collaboration with ICT Academy and for DSE students, virtual Orientation program was conducted in February 2021.</p>
<p>Faculties should contribute to syllabus revision and BoS, to implement appropriate suggestions received from the Stakeholders.</p>	<p>11 faculties participated in Syllabus Revision Committee to revise the syllabus as per suggestions received from stakeholders out of which Syllabus revision for the course Computer Network was arranged by Department of Computer Engineering in UCoE. 18 faculties were responsible for setting of University Question Paper of their respective course. 26 faculties attended Subject Orientation programs related to their courses, arranged by various Institutes under University of Mumbai.</p>
<p>Encourage faculties to arrange/attend workshops, seminar/webinar to enhance the teaching-learning process.</p>	<p>All faculties have attended various workshops/seminars/webinars for enhancing teaching-learning process. Total 48 Technical Workshops/seminars/webinars were arranged in UCoE</p>
<p>Enhance participation of both faculties and students in National/International Conferences and motivate them to publish quality papers in reputed journals.</p>	<p>Number of Papers presented in Conferences - 12 Scopus Index/UGC approved paper published - 61</p>
<p>Develop the capabilities of staff by providing training in</p>	<p>Conducted following activities to enhance the capabilities of</p>

<p>practical's and soft skills.</p>	<p>teaching & non-teaching staff. 1. Three-day FDP on E-content creating and streaming using OBS Studio and streamyard, 2. Staff Training on Pro-Campuz Academic & Exam Model 3. Hands on Session- Create an App in a Snap 4. Session on Guidelines on project thesis writing 5. Webinar on Use of Excel Skills in Research 6. FDP on Creating Interactive Learning Content</p>
<p>Introduction of Courses/Seminar/Webinar to overcome the situation created due to Covid Pandemic.</p>	<p>Conducted following activities in relation to covid Management: 1. FDP on Creating Interactive eLearning Content 2. COVID CARE PROGRAM by AS&H dept. 3. Webinar on Mental Health Awareness under IEEE/WIE. 4. Seminar on Job Readiness in Pandemic under ICT Academy. 5. Various MoUs were signed with International Collaborators for online trainings to students in lieu of Pandemic which made students to avail for internships and gain Certificates for successful completion of courses which aided them for placements.</p>
<p>Arrange Alumni meet through Online platform to follow Covid guidelines.</p>	<p>Successfully conducted Alumni meet through Google meet on 28th November 2020 and shared their expertize as per their current job profile. They were also enthusiastic in conducting sessions regarding the same.</p>
<p>Participate in Institutional rankings to improve the quality of education.</p>	<p>Ranks by Institutional Ranking Platforms: 1. Times Ranking 2020-1st in Top emerging Engineering Institutes. 2. Education World-7th in Top private Engineering Institute in State & 44th rank across India.</p>

<p>Arrange Farewell for students of AY2020-21 through online platform.</p>	<p>Successfully executed Farewell through Online meet at departmental level in the month of May 2021. Students shared their experience regarding how they coped up with the Online examination pattern and how gave their feedback on various aspects of Online teaching-learning process.</p>
<p>Conduct Social activities under NSS, UBA, WDC, Rotaract Club and Students Chapters to practise national integration and social harmony.</p>	<p>Various activities conducted under NSS, UBA and WDC to address issues related to society, environment, human values, gender equity etc. Some are listed below</p> <ol style="list-style-type: none"> 1. Effect of Modern Lifestyle on Women Health under NSS. 2. World Water Day celebration under ACES. 3. Webinar on Mental Health Awareness under IEEE & WI. 4. Tree Plantation & Online session on tree plantation under NSS. 5. Helping Pawfriend under Rotaract Club. 6. Design Solar System for Homes in collaboration with Energy Swaraj Foundation under UBA organised with IIT-B. 7. Webinar on Dental Care under CSI.
<p>Make proper arrangements & planning for Online Teaching-learning process & Examination due to Pandemic</p>	<p>Institutional mail ID's generated for all students for registering in respective course- Google Classrooms & appearing for Online examination. Sample Papers for each subject with solution uploaded on college website for students. Mock Tests conducted for all students to understand execution of examination. Examination fees also collected through Procampuz software. Teaching & non-teaching Faculties were also</p>

	trained for Procampuz Software.
<p>Motivate Students to work on Innovative Research Projects.</p>	<p>Following Applications were created by students under the guidance of faculty members:</p> <ol style="list-style-type: none"> 1. Eduroid - A Rural Education Based Application project under the guidance of Dr. Jitendra Saturwar. 2. Searchious - Locating missing people using an optimized face recognition algorithm, under the guidance of Mrs. Vishakha Shelke. 3. Depressscape: Depression Monitoring Through Social Media, under the guidance of Mrs. Vishakha Shelke. 4. Automatic Hand Sanitizer Dispenser and Body Sanitizer by Students of Department of EXTC. 5. Quick Scanner App, UCoE Mobile App Developed by students & faculties of Department of Computer Engineering. 6. Unibot - Chatbot for College Related FAQs developed by Students of Department of Information & Technology.
<p>Motivate and Guide faculties & students for research grants from Government and Non-government Organizations.</p>	<p>Minor research grants from University of Mumbai were granted to projects like:</p> <ol style="list-style-type: none"> 1. Health Monitoring & analysis using Blockchain & IPFS (Rs. 18,000/-) 2. Economical Humanoid Allie (Rs. 26,000/-) 3. Crop Monitoring System (Rs. 10,000/-) 4. Ms. Aparna Sudhir, The student of Department of Information technology received INR 40,000 incentives from TCS for CPA exam.
<p>Encourage students to participate in National and International level Techfest.</p>	<p>Student participation and Prizes won:</p> <ol style="list-style-type: none"> 1. Smart India Hackathon - won the Cash prize of INR 1 lakh for project on Estimation of

	<p>crop progression particularly in Rainy season organised by MHRD, Govt. of India. 2. e-MAPCO 2020 - won Cash prize of INR 3000 for project on Engineering Mathematics Applications Project Competition organized by Engineering Mathematics Teachers Society, India (EMTSI) in collaboration with SEAM eLearning. 3. ApScript Hackathon hosted by IEEE Student Branch of A.P.Shah Institute of Technology, APSIT-Thane- won got 2nd runner up position. 4. CodeShastra 7.0 Hackathon organized by CSI branch of D.J. Sanghavi College of Engineering, Mumbai - secured first position. 5. International Civil Engineering Symposium at AKAAR 2021 by IIT Bombay - secured 2nd runnerup. 6. 53th Youth Festival - won 1st runnerup in Elocution and 2nd runnerup in Story Telling Competitions by 2 groups of student prizes at the zonal level.</p>
<p>Introduce New Add-On courses to enhance students skills, knowledge as per industry requirement.</p>	<p>Three new courses added through Industry Institute Interaction Cell viz, Structural Engineering Practices, Concrete Design Practices and Formwork Design. Students also completed courses through EdX, Udemy, Coursera.</p>
<p>Introduce platforms to provide Faculty Development Training Programs, Skill Development Initiatives, Research, Industry-Institute Interaction, Nurturing Innovation among faculties and students</p>	<p>Online platform association: 1.ICT Academy membership- 14 July 2020 2. Oracle Academy Membership- 7 August 2020 3. EdX- 22Feb 2021 4. Palo Alto network Security Academy-4 December 2020</p>
<p>Conduct Activities to guide students to choose their career</p>	<p>Conducted following activities in relation to Career guidance &</p>

and to improve their employability skills.

Employability Skills. 1.Webinar on Skills required for Placement under Rotaract Club. 2.Webinar on Career Aspects under ICT Academy. 3.Webinar on GATE Application Process under ACES. 4. Webinar on Career Choice Post-Covid 19 under ACES. 5. Webinar on Career Development under IEEE & WI. 6. Webinar on Pure Career Planning under CESA.

13.Whether the AQAR was placed before statutory body?

Yes

- Name of the statutory body

Name	Date of meeting(s)
Governing Council	12/11/2021

14.Whether institutional data submitted to AISHE

Year	Date of Submission
2020-21	09/02/2022

15.Multidisciplinary / interdisciplinary

Project was done in the area of community engagement and services by providing Geocells in?filled with sand/ metal as subgrade to improve the strength of the pavement & shoulder, reducing settlements, formation of reflective crack and pot?holes.

Geocells also aid in overcoming the problem of potholes and reduction of storm water runoff in the College vicinity. Geocells are strong, lightweight, three-dimensional systems fabricated from ultrasonically?welded High Density Polyethylene (HDPE) strips that are expandable on?site to form a honeycomb?like structure.

"Virtual Internship Programme on Sustainable Development Goals and Community Engagement" organized by Regional Coordinating Institute, UBA, The Gandhigram Rural Institute (Deemed to be University), Gandhigram, Dindigul, Tamil Nadu in collaboration with National Coordinating Institute, UBA, IIT, Delhi from 02.08.2021 to

25.08.2021.

Both projects were executed under the headship of Head of Civil Engineering Department, Mr. Rajesh Dubey and Assistant Professor Sachin Pawar with a team of 27 students of Department of Civil Engineering.

16. Academic bank of credits (ABC):

Students learned to perform different robotic automation also earned about opportunities and scope of this topic in industry through webinar on "Robotics Process Automation" by Mr. Parth Doshi -Youngest UI Path Mumbai Chapter Lead. RPA Developer Intern at Worley and

Pursuing B-tech in Computers from Mukesh Patel School of Technology and Management.

17. Skill development:

The Department of Civil Engineering at Universal College of Engineering has moved in the direction of skill enhancement and improved employability of the students. In order to achieve the goal, the department set up an Industry-Institute Interaction Cell towards bridging the gap between content delivered in the Institute and the content expected by the industry. The content received from the industry shall be delivered to students beyond the curriculum of University of Mumbai in form of value added courses.

At the end of the academic year, 53 students got certified in various courses such as Structural Engineering Practices, Formwork Design & Concrete Design Practices from the Industry experts.

Also, the Institute tied up with various International organizations named Amazon Web Services, ICT Academy, Oracle, EdX, Coursera, Google Cloud, Data Camp for enhancing the technical capability in the IT & other tech-savvy industries.

Apart from these collaborations, the Department of Information & Computer Engineering jointly conducts Technical coding practices named Hackstomp to prepare the students for National events like Hackathon under the Ministry of Human Resources Department, Government of India.

Also the students and Faculties are motivated and supported for

various technical paper publish & Minor research grants schemes.

18.Appropriate integration of Indian Knowledge system (teaching in Indian Language, culture, using online course)

To maintain the cultural decorum of the Institute in terms of national cultural integrity, Institute promotes Intra-Collegiate sports & Cultural week named "AURORA"

Also, being the Gujarati minority Institute, Institute participates grandly in Navratri function and celebrates the holy function of Goddess with the event name as "TAHUKO" in which Goddess is worshipped and folk dance competitions are conducted to respect & promote the Indian culture & tradition.

19.Focus on Outcome based education (OBE):Focus on Outcome based education (OBE):

Outcome based education emphasizes a clearly articulated idea of what students are expected to know and be able to do, that is, what skills and knowledge they need to have, when they leave the school system. In order to make students self-compliant and drive them to holistic development, IQAC takes initiative to conduct Smart India Hackathon mock practice as "Hackstomp", Tantrotsav(technical event to bridge theoretical & practical knowledge.

Apart from these preliminary practices, students are also trained for projects & mini projects for real time problems & their solutions.

20.Distance education/online education:

AY 2020-21 has been a paradigm shift from offline class to online class and IQAC took tremendous efforts in soothing this change.

All the students were given a respective Universal College of Engineering(UCoE) unique ID and password for logging in Google Classroom meets & lectures. Respective Google classrooms were created course-wise by all the Department teaching faculties.

The lectures were conducted with innovative audio-video mode of teaching tools.Also each recordings of the lectures were shared with students in order that they could revise the lectures and thereby enhance the teaching-learning process.

Extended Profile

1.Programme

1.1

300

Number of courses offered by the institution across all programs during the year		
File Description		Documents
Data Template	View File	
2.Student		
2.1 Number of students during the year		1347
File Description		Documents
Data Template	View File	
2.2 Number of seats earmarked for reserved category as per GOI/ State Govt. rule during the year		146
File Description		Documents
Data Template	View File	
2.3 Number of outgoing/ final year students during the year		413
File Description		Documents
Data Template	View File	
3.Academic		
3.1 Number of full time teachers during the year		84
File Description		Documents
Data Template	View File	
3.2 Number of Sanctioned posts during the year		84

File Description	Documents
Data Template	View File

4.Institution	
4.1 Total number of Classrooms and Seminar halls	22
4.2 Total expenditure excluding salary during the year (INR in lakhs)	587.92
4.3 Total number of computers on campus for academic purposes	560

Part B

CURRICULAR ASPECTS

1.1 - Curricular Planning and Implementation

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

Universal College of Engineering (UCoE) is recognized by AICTE, DTE & Government of Maharashtra and affiliated to University of Mumbai. UCoE follows a structured strategy plan for effective implementation of the curriculum prescribed by the University for Various Programs.

Actions Plan

- Academic calendar at Institute level is prepared in consonance with the Academic Calendar of the University.
- Master & Class timetables are prepared.
- Lesson plan along with COs and POs, Course Files, Laboratory Manuals, maintenance of lab equipment, Installation of all Software (if required)
- Induction program is conducted for first year students before starting their academic curriculum.
- Expert lectures by Industry personnel/ experienced faculties with the aim to bridge the gap between academic & Industry.

- Evaluation of student performance based on Tutorials, Internal Assessment tests, Assignments and Presentations.
- Mentoring session and to organise Parents meet for overview of student's performance.
- End semester examination and assessments as per university norms and prepare result analysis (direct and indirect analysis) and determine the achievement of course objectives.
- To motivate students to undergo an internship program.
- To continue and improve academic activities on digital platforms due to pandemic.

File Description	Documents
Upload relevant supporting document	View File
Link for Additional information	https://universalcollegeofengineering.edu.in/wp-content/uploads/2021/08/Academic-Calendar-for-Odd-Sem-For-HIGHER-Semester-2021-2022-1-1.pdf

1.1.2 - The institution adheres to the academic calendar including for the conduct of Continuous Internal Evaluation (CIE)

- University of Mumbai declares commencing dates and end term dates , with a list of holidays and probable dates of examinations.
- College decides dates of internal assessment exams, various events, activities and prepares academic calendar by taking consideration of these dates.
- College level student Chapter/associations/committees also add their activities to this calendar.
- Every teacher then prepares a teaching plan following the calendar prepared by the Institute.

- Academic calendar is also uploaded on the Institute website.
- Also IQAC keeps a constant follow-up of all activities, events, and schedules.
- First Internal Assessment test is conducted after 8 weeks of Teaching, followed by second Internal Assessment test after fifteenth week.
- End Semester Exam being conducted as directed by university.
- Due to the pandemic situation this year, all the tests and End semester examinations were conducted and assessed in online mode

File Description	Documents
Upload relevant supporting documents	View File
Link for Additional information	https://universalcollegeofengineering.edu.in/wp-content/uploads/2021/08/Academic-Calendar-for-Odd-Sem-For-HIGHER-Semester-2021-2022-1-1.pdf

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 year. Academic council/BoS of Affiliating University Setting of question papers for UG/PG programs Design and Development of Curriculum for Add on/ certificate/ Diploma Courses Assessment /evaluation process of the affiliating University	A. All of the above
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File Description	Documents
Details of participation of teachers in various bodies/activities provided as a response to the metric	View File
Any additional information	View File

1.2 - Academic Flexibility	
1.2.1 - Number of Programmes in which Choice Based Credit System (CBCS)/ elective course system has been implemented	
1.2.1.1 - Number of Programmes in which CBCS/ Elective course system implemented	
7	
File Description	Documents
Any additional information	View File
Minutes of relevant Academic Council/ BOS meetings	No File Uploaded
Institutional data in prescribed format (Data Template)	View File
1.2.2 - Number of Add on /Certificate programs offered during the year	
1.2.2.1 - How many Add on /Certificate programs are added during the year. Data requirement for year: (As per Data Template)	
6	
File Description	Documents
Any additional information	No File Uploaded
Brochure or any other document relating to Add on /Certificate programs	View File
List of Add on /Certificate programs (Data Template)	View File
1.2.3 - Number of students enrolled in Certificate/ Add-on programs as against the total number of students during the year	
244	
1.2.3.1 - Number of students enrolled in subject related Certificate or Add-on programs during the year	
244	

File Description	Documents
Any additional information	View File
Details of the students enrolled in Subjects related to certificate/Add-on programs	View File

1.3 - Curriculum Enrichment

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

- Celebration of Engineer's Day on 15th September
- Technocrates_1 was the winner for problem statement NS269 in the Grand Finale of Smart India Hackathon-2020
- Department of Information Technology under ITSA organized virtual HACK-STOMP
- Association of Civil Engineering Students in association with Institute of Engineers India, Belapur Local Centre, hosted World's Water Day and World's Habitat Day.
- Power Seminar was organized in association with ICT Academy on Importance of Career
- Hand Sanitizer dispensing Machine, Disinfectant Mat and Sanitizer Spray Bath were installed as a precautionary measure in pandemic.
- "Academix Squad"- Youtube Channel - started by IT students to help SSC students.
- On 15 August 2020, the webinar on Mental Health Awareness was successfully organized.
- An inter - Collegiate online event 'NSS Day celebration' was hosted by the unit on NSS Day on 24th Sept. 2020
- Online Webinar on Dental Care, Seminar on Reimagining Social Media, Resume Writing, How to build networking, Job Readiness in Pandemic, 3 Day COVID CARE PROGRAM, Women Day and Yoga Day celebration was organized considering multifaceted development

of students.

File Description	Documents
Any additional information	No File Uploaded
Upload the list and description of courses which address the Professional Ethics, Gender, Human Values, Environment and Sustainability into the Curriculum	View File

1.3.2 - Number of courses that include experiential learning through project work/field work/internship during the year

55

File Description	Documents
Any additional information	No File Uploaded
Programme / Curriculum/ Syllabus of the courses	View File
Minutes of the Boards of Studies/ Academic Council meetings with approvals for these courses	No File Uploaded
MoU's with relevant organizations for these courses, if any	No File Uploaded
Number of courses that include experiential learning through project work/field work/internship (Data Template)	View File

1.3.3 - Number of students undertaking project work/field work/ internships

1015

File Description	Documents
Any additional information	View File
List of programmes and number of students undertaking project work/field work/ /internships (Data Template)	View File

1.4 - Feedback System

1.4.1 - Institution obtains feedback on the syllabus and its transaction at the institution from the following stakeholders Students Teachers Employers Alumni	A. All of the above
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File Description	Documents
URL for stakeholder feedback report	No File Uploaded
Action taken report of the Institution on feedback report as stated in the minutes of the Governing Council, Syndicate, Board of Management (Upload)	View File
Any additional information(Upload)	View File

1.4.2 - Feedback process of the Institution may be classified as follows	A. Feedback collected, analyzed and action taken and feedback available on website
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File Description	Documents
Upload any additional information	View File
URL for feedback report	Nil

TEACHING-LEARNING AND EVALUATION

2.1 - Student Enrollment and Profile

2.1.1 - Enrolment Number Number of students admitted during the year

2.1.1.1 - Number of sanctioned seats during the year

1680

File Description	Documents
Any additional information	View File
Institutional data in prescribed format	View File

2.1.2 - Number of seats filled against seats reserved for various categories (SC, ST, OBC, Divyangjan, etc. as per applicable reservation policy during the year (exclusive of supernumerary seats)

2.1.2.1 - Number of actual students admitted from the reserved categories during the year

581

File Description	Documents
Any additional information	View File
Number of seats filled against seats reserved (Data Template)	View File

2.2 - Catering to Student Diversity

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

Our institution assessment is based on a comprehensive framework that considers students with diverse learning levels to distinguish between slow learners and advanced learners, for training to be imparted on a wider scale. 1. Practice Test and Tutorials to distinguish between slow learners and advanced learners, for training to be imparted on a wider scale. 2. Workshop and communication session conducted so that students strengthen their English communication. 3. There are remedial coaching, special recapitulation lectures, and counseling for the slow learners to improve their learning levels. 4. The college arranges teachers as mentors for every group of students. 5. Special programs based on advanced research and practical applications of the subjects are organized for advanced learners, urging the advanced learners to explore beyond the syllabus. 6. Students are encouraged to participate in project based competitions and paper presentations. 7. During pandemic students were given the opportunity to learn from established international institutes through Coursera courses. 8. Institute arranged an Orientation Programme for admitted students and their parents.

File Description	Documents
Link for additional Information	Nil
Upload any additional information	View File

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

Number of Students	Number of Teachers
1347	84

File Description	Documents
Any additional information	No File Uploaded

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

Universal College of Engineering (UCoE) practices different teaching-learning methodologies which concentrate on imparting education through a student-centric approach.

Apart from the traditional chalk and board method, students are motivated to think out of the box and go beyond the book. We have implemented open classrooms, Short-Term Training Programs, Workshops, FDPs, Webinars and guest lectures on various streams.

Students are motivated to enroll themselves in different Certificational educational platforms like Coursera, ICT Academy, Oracle Academy, Cisco Networking Academy and Palo Alto. Students' participation in project based learning and NPTEL are encouraged. Students are also encouraged to do research on advanced topics and publish the paper in a good conference.

Students also join community services through NSS and Unnat Bharat Abhiyan(UBA).

The internship is provided right from the First Year to equip students with hands-on practical knowledge of the real-life application. An E-cell, E - Yantra, and virtual lab were established after entering an MOU with IIT Bombay. This helps the students to get an understanding on a comprehensive level and to think creatively.

UCoE teaching strategies involve students in the constructive learning environment in the form of guidance textbook method, computer-assisted learning, conceptual mapping, case studies, and mini-project.

File Description	Documents
Upload any additional information	View File
Link for additional information	Nil

2.3.2 - Teachers use ICT enabled tools for effective teaching-learning process. Write description in maximum of 200 words

All the faculties in Universal College of Engineering(UCoE) adopted different ICT-enabled tools for the effective teaching-learning process. To make the online teaching process effective, faculties used Google classroom where they assigned assignments, quizzes, shared notes, and took google meets for class directly from there. Faculties also used various tools such as PowerPoint presentations, graphic pads, google Jamboard, Open Board etc, for effective teaching. UCoE has also prepared an automated attendance tracker sheet in which each of the faculties uploads the link of the recorded sessions taken.

UCoE also provided internet-enabled classrooms with LCD projectors and sound systems for conducting online video sessions for the students. The faculties used laptops that are well configured with the latest updated system as suggested by the University norms. Institute provides good Wi-Fi connectivity on the campus with the premium internet bandwidth of 100Mbps which has free connectivity for students and faculty. National Programme on Technology Enhanced Learning (NPTEL) lectures for each subject of each department along with different courses from Coursera were offered to students with Certification from various NITs, IITS & International Universities.

File Description	Documents
Upload any additional information	View File
Provide link for webpage describing the ICT enabled tools for effective teaching-learning process	Nil

2.3.3 - Ratio of mentor to students for academic and other related issues (Data for the latest completed academic year)**2.3.3.1 - Number of mentors**

84

File Description	Documents
Upload, number of students enrolled and full time teachers on roll.	No File Uploaded
Circulars pertaining to assigning mentors to mentees	No File Uploaded
mentor/mentee ratio	View File

2.4 - Teacher Profile and Quality**2.4.1 - Number of full time teachers against sanctioned posts during the year**

84

File Description	Documents
Full time teachers and sanctioned posts for year (Data Template)	View File
Any additional information	No File Uploaded
List of the faculty members authenticated by the Head of HEI	No File Uploaded

2.4.2 - Number of full time teachers with Ph. D. / D.M. / M.Ch. /D.N.B Superspeciality / D.Sc. / D.Litt. during the year (consider only highest degree for count)**2.4.2.1 - Number of full time teachers with Ph. D. / D.M. / M.Ch. /D.N.C Superspeciality / D.Sc. / D.Litt. during the year**

4

File Description	Documents
Any additional information	No File Uploaded
List of number of full time teachers with Ph. D. / D.M. / M.Ch./ D.N.B Super specialty / D.Sc. / D.Litt. and number of full time teachers for year(Data Template)	View File

2.4.3 - Number of years of teaching experience of full time teachers in the same institution (Data for the latest completed academic year)**2.4.3.1 - Total experience of full-time teachers**

416

File Description	Documents
Any additional information	No File Uploaded
List of Teachers including their PAN, designation, dept. and experience details(Data Template)	View File

2.5 - Evaluation Process and Reforms

2.5.1 - Mechanism of internal assessment is transparent and robust in terms of frequency and mode. Write description within 200 words.

- The faculties and students of Universal College of Engineering(UCoE) are made aware of the Internal Assessment process and its schedule through academic calender which involves all dates, term work, oral and practical examination wherever applicable.
- In this pandemic year, UCOE presented a well-defined paper format including MCQs and descriptive questions followed by online mock tests, to make students familiar with the exam structure. a teaching plan is prepared by each faculty member for each individual subject which will outline the structure and details of a single session.
- UCoE conducted two Internal Assessment Tests each of 20% marks as per the subject scheme.
- The evaluation of term work contains journal marks, assignment marks, case studies, mini-project, attendance, and performance in the virtual laboratory.
- For the Internal Assessment Test, papers are set keeping in mind the learning objectives.
- There is complete transparency in the internal assessment for each assessment method.

- All the records and data bank of attendance in internal Examinations, Question papers, valued answer sheets/copies, a summary of marks sheets, are properly maintained by the teachers for academic monitoring/academic audit.

File Description	Documents
Any additional information	View File
Link for additional information	Nil

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

1. In absence of a junior supervisor, a senior supervisor will make last-minute adjustments to the absentee's duty and will contact the absentee's supervisor and warn him/her of possible action.
2. In case the question paper is not submitted in time by the paper setter, the faculty in charge/exam controller /principal will remind the paper setter a day before submission. Failing to do so even after the reminder, the paper setter is given a memo for a late submission.
3. Complaints from the junior supervisor about the student misbehaving in the examination are taken by the senior supervisor orally and a warning is issued to the student if found guilty.
4. Complaints from the students about the junior supervisor are taken by the senior supervisor in a formal complaint and an investigation is carried out for the same.
5. Complaints regarding the malpractices in the paper assessment are to be submitted to the exam controller/principal, strong disciplinary action is taken if the complaint is found to be true.

File Description	Documents
Any additional information	View File
Link for additional information	Nil

2.6 - Student Performance and Learning Outcomes

2.6.1 - Teachers and students are aware of the stated Programme and course outcomes of the Programmes offered by the institution.

Universal College of Engineering(UCoE) has clearly stated program outcomes, program-specific outcomes, course outcomes. CO and PO of each subject are communicated to students by the respective faculty members on the very first day of the college. COs are discussed in detail with students long with subject introduction and syllabus discussion.. This is done with an aim to provide students with an idea about the course depth, practical aspects, application, etc. in the respective semester.

Faculty as well as students can easily access this information through the college website. COs of each and every subject is displayed on the website, lab manual, course file, departmental laboratories for easy access. CO's and PO's are maintained in an academic diary, lesson plan, and course file of individual faculty. In all the interactions like parent-teacher meetings or mentor-mentee discussions, the awareness of POs, PSOs, and COs is deliberately promoted.

Department-wise PSOs and POs are displayed on respective floor-wise sunboards along with Institute & Department Vision and Mission, PSO and PO are put up on every class notice(soft) board.

File Description	Documents
Upload any additional information	View File
Paste link for Additional information	Nil
Upload COs for all courses (exemplars from Glossary)	No File Uploaded

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

The Universal College of Engineering (UcoE) has offered different programs and also developed PEO's, PO's, and CO's for the respective

programs. As per the curriculum received from the University of Mumbai, it will be differentiated into various modules and CO's, and also CO-PO attainment is verified with the direct and indirect assessment methods.

Following points are considered for the assessment of the above:

- The analysis of CO-PO attainment is calculated based on results from internal and external exams including viva, term-work, project presentations etc.
- Online feedback taken regularly on teachers, curriculum from students which is used to check if attainments are achieved or not.
- Program Specific Outcomes are evaluated by considering the student's academic progression from UG to PG to various Universities.
- Placements of the students in various Campus and off campus drives are also considered as one of the parameters for calculation while evaluating PSOs.
- Students having University merit-based ranking are given priority for placement and also considered as strong indicators of attainment of POs.
- Student's participation and performance in various extra-curricular and co-curricular activities are considered as a parameter for analyzing the attainment of Program Outcomes

File Description	Documents
Upload any additional information	View File
Paste link for Additional information	Nil

2.6.3 - Pass percentage of Students during the year

2.6.3.1 - Total number of final year students who passed the university examination during the year

413

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

2.7 - Student Satisfaction Survey

2.7.1 - Student Satisfaction Survey (SSS) on overall institutional performance (Institution may design its own questionnaire) (results and details need to be provided as a weblink)

<https://universalcollegeofengineering.edu.in/igac/student-satisfaction-survey/>

RESEARCH, INNOVATIONS AND EXTENSION

3.1 - Resource Mobilization for Research

3.1.1 - Grants received from Government and non-governmental agencies for research projects / endowments in the institution during the year (INR in Lakhs)

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

40000

File Description	Documents
Any additional information	No File Uploaded
e-copies of the grant award letters for sponsored research projects /endowments	View File
List of endowments / projects with details of grants(Data Template)	View File

3.1.2 - Number of departments having Research projects funded by government and non government agencies during the year

3.1.2.1 - Number of departments having Research projects funded by government and non-government agencies during the year

1

File Description	Documents
List of research projects and funding details (Data Template)	View File
Any additional information	No File Uploaded
Supporting document from Funding Agency	View File
Paste link to funding agency website	https://www.tcs.com/

3.1.3 - Number of Seminars/conferences/workshops conducted by the institution during the year

3.1.3.1 - Total number of Seminars/conferences/workshops conducted by the institution during the year

46

File Description	Documents
Report of the event	View File
Any additional information	View File
List of workshops/seminars during last 5 years (Data Template)	View File

3.2 - Research Publications and Awards

3.2.1 - Number of papers published per teacher in the Journals notified on UGC website during the year

3.2.1.1 - Number of research papers in the Journals notified on UGC website during the year

61

File Description	Documents
Any additional information	View File
List of research papers by title, author, department, name and year of publication (Data Template)	View File

3.2.2 - Number of books and chapters in edited volumes/books published and papers published in national/ international conference proceedings per teacher during the year

3.2.2.1 - Total number of books and chapters in edited volumes/books published and papers in

national/ international conference proceedings during the year

12

File Description	Documents
Any additional information	View File
List books and chapters edited volumes/ books published (Data Template)	View File

3.3 - Extension Activities

3.3.1 - Extension activities are carried out in the neighborhood community, sensitizing students to social issues, for their holistic development, and impact thereof during the year

Universal College of Engineering (UCoE) along with the Department of Civil Engineering, took an initiative to adopt Kaman Village for planning and designing the effective pothole systems under the Unnat Bharat Abhiyan (UBA) for Kaman village.

NSS-UCoE unit pledged to contribute the best towards the community and thrive to work with the same zealousness. The main goal is to reach out and help neighborhoods to transform them into a better society. Due to the pandemic, physical interactions were hampered, but with the current strength of volunteers and their equal contribution, we conducted an online webinar for spreading awareness about Organ Donation and addressing large crowds and motivating them for the good cause.

Rotaract Club at UCoE Named RCUCoE progressively conducted webinars with esteemed guests and speakers. Apart from that, RCUCoE gave food to stray dogs in nearby localities, and undertook projects like watering plants & planning the future events. We even had a talk show on Mental Health and a huge Social Media campaign named H.E.L.P. (Healthy Emotional Living Procedure) which was based on mental health.

All these activities inculcated among students and faculties, the art of team working, decision making, leadership abilities and many life skills.

File Description	Documents
Paste link for additional information	https://universalcollegeofengineering.edu.in/enrichment-activities/
Upload any additional information	View File

3.3.2 - Number of awards and recognitions received for extension activities from government / government recognized bodies during the year

3.3.2.1 - Total number of awards and recognition received for extension activities from Government/ government recognized bodies during the year

4

File Description	Documents
Any additional information	No File Uploaded
Number of awards for extension activities in last 5 year(Data Template)	View File
e-copy of the award letters	View File

3.3.3 - Number of extension and outreach programs conducted by the institution through NSS/NCC/Red cross/YRC etc., (including the programmes such as Swachh Bharat, AIDS awareness, Gender issues etc. and/or those organized in collaboration with industry, community and NGOs) during the year

3.3.3.1 - Number of extension and outreach Programs conducted in collaboration with industry, community and Non- Government Organizations through NSS/ NCC/ Red Cross/ YRC etc., during the year

117

File Description	Documents
Reports of the event organized	View File
Any additional information	No File Uploaded
Number of extension and outreach Programmes conducted with industry, community etc for the last year (Data Template)	View File

3.3.4 - Number of students participating in extension activities at 3.3.3. above during the year

3.3.4.1 - Total number of Students participating in extension activities conducted in

collaboration with industry, community and Non- Government Organizations through NSS/ NCC/ Red Cross/ YRC etc., during the year

5249

File Description	Documents
Report of the event	View File
Any additional information	No File Uploaded
Number of students participating in extension activities with Govt. or NGO etc (Data Template)	View File

3.4 - Collaboration

3.4.1 - The Institution has several collaborations/linkages for Faculty exchange, Student exchange, Internship, Field trip, On-the- job training, research etc during the year

102

File Description	Documents
e-copies of linkage related Document	View File
Details of linkages with institutions/industries for internship (Data Template)	View File
Any additional information	View File

3.4.2 - Number of functional MoUs with national and international institutions, universities, industries, corporate houses etc. during the year

3.4.2.1 - Number of functional MoUs with Institutions of national, international importance, other universities, industries, corporate houses etc. during the year

7

File Description	Documents
e-Copies of the MoUs with institution./ industry/corporate houses	View File
Any additional information	No File Uploaded
Details of functional MoUs with institutions of national, international importance, other universities etc during the year	View File

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.

The institution has adequate infrastructure and physical facilities for teaching-learning. Viz., classrooms, laboratories, computing equipment.

Universal College of Engineering(UCoE) has adequate infrastructure and physical facilities for teaching-learning with 9683 square meters of instructional area, 21 classrooms(66.12square meters each), 4tutorial roms (34.19square meters) and 1 seminar hall(132.96square meters).

Every classroom and seminar hall is ICT enabled with each classroom having a wall mounted projector and a speaker for audio capability.

Students can avail a Wi-Fi speed of 100 Mbps.

We have one Engineering workshop of 200 square meters and an Engineering drawing hall of 132 square meters dedicated to first year students.

UCoE has one physics and one chemistry laboratory and two communication laboratories .We have 9 labs dedicated to the Department of Civil Engineering, 7 labs for Electronics & Electronics and Telecommunication Engineering, 18 Computer Based Laboratories and one dedicated Computer Center.

A state of the art E-yantra laboratory of 66 square meters in collaboration with IIT-Bombay has also been established. We have 420 laptops for students.

We have a state of the art library with a seating capacity of 227 students and an area of 600 square meters.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://drive.google.com/drive/folders/1hFpP-VFsRtD17TOglK7HbnYmmPbVa8eQ?usp=sharing

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

Universal College of Engineering has an outdoor sports area of 2250 square meters. Various outdoor games like cricket, volleyball, football and kabaddi are played in this ground. The college has three cricket kits, three volleyball's and three footballs. Students representing the college in university competitions are given kits to participate in competitions. An indoor area of about 82.16 square meters is dedicated to indoor games. The college has two state of the art Table Tennis boards, 3 sets of table tennis bats and balls and 3 chess boards. The college also encourages students to participate in cultural activities. An outdoor area is dedicated for students to practice for various competitions in singing, dance and drama.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://universalcollegeofengineering.edu.in/photo-gallery/

4.1.3 - Number of classrooms and seminar halls with ICT- enabled facilities such as smart class, LMS, etc.

22

4.1.3.1 - Number of classrooms and seminar halls with ICT facilities

22

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://universalcollegeofengineering.edu.in/about-us/college-profile/
Upload Number of classrooms and seminar halls with ICT enabled facilities (Data Template)	View File

4.1.4 - Expenditure, excluding salary for infrastructure augmentation during the year (INR in Lakhs)

4.1.4.1 - Expenditure for infrastructure augmentation, excluding salary during the year (INR in lakhs)**587.92**

File Description	Documents
Upload any additional information	No File Uploaded
Upload audited utilization statements	View File
Upload Details of budget allocation, excluding salary during the year (Data Template)	View File

4.2 - Library as a Learning Resource**4.2.1 - Library is automated using Integrated Library Management System (ILMS)**

Universal College of Engineering Library (named Archivia) has a seating capacity of 220 students with an area of 600 square meters. Library uses software called e-granthalaya which is partially automated. The version of this software is 3.0. The software has been in use from the year 2012. The software can generate various reports such as stock verification reports, Member reports, circulation transaction reports and details of subscribed journals. Every book and membership card is barcoded for easy issue and return of resources. Books are arranged as per branch and the books can be searched easily using OPAC software. A separate section is dedicated for competitive exam books such as GATE, GRE etc. Library is open from 9:00 am to 5:00 pm on regular academics days whereas, during exam days it is open from 9:00 am to 6:00 pm. OPAC is used for searching availability of resources in the library using keywords such as title, author, publisher, accession number, subject wise, recent arrivals, e-books. Library has 10 laptops with an internet speed of 100 Mbps to access e-books, e-journal and educational websites. Library is divided into various sections such as the reference section, circulation section, stacking section, student reading section, competitive exam section and fiction section.

File Description	Documents
Upload any additional information	View File
Paste link for Additional Information	https://drive.google.com/file/d/1TpHbD8GpVFAcf1GgECMg5dZ9XfxsrsIC/view?usp=sharing

4.2.2 - The institution has subscription for the following e-resources e-journals e-ShodhSindhu Shodhganga Membership e-books Databases Remote access toe-resources	B. Any 3 of the above								
<table border="1"> <thead> <tr> <th data-bbox="86 365 541 421">File Description</th> <th data-bbox="549 365 1471 421">Documents</th> </tr> </thead> <tbody> <tr> <td data-bbox="86 432 541 521">Upload any additional information</td> <td data-bbox="549 432 1471 521" style="text-align: center;">View File</td> </tr> <tr> <td data-bbox="86 533 541 694">Details of subscriptions like e-journals,e-ShodhSindhu, Shodhganga Membership etc (Data Template)</td> <td data-bbox="549 533 1471 694" style="text-align: center;">View File</td> </tr> </tbody> </table>	File Description	Documents	Upload any additional information	View File	Details of subscriptions like e-journals,e-ShodhSindhu, Shodhganga Membership etc (Data Template)	View File			
File Description	Documents								
Upload any additional information	View File								
Details of subscriptions like e-journals,e-ShodhSindhu, Shodhganga Membership etc (Data Template)	View File								
4.2.3 - Expenditure for purchase of books/e-books and subscription to journals/e- journals during the year (INR in Lakhs)									
4.2.3.1 - Annual expenditure of purchase of books/e-books and subscription to journals/e-journals during the year (INR in Lakhs)									
2.05									
<table border="1"> <thead> <tr> <th data-bbox="86 1037 541 1093">File Description</th> <th data-bbox="549 1037 1471 1093">Documents</th> </tr> </thead> <tbody> <tr> <td data-bbox="86 1104 541 1149">Any additional information</td> <td data-bbox="549 1104 1471 1149" style="text-align: center;">No File Uploaded</td> </tr> <tr> <td data-bbox="86 1160 541 1216">Audited statements of accounts</td> <td data-bbox="549 1160 1471 1216" style="text-align: center;">View File</td> </tr> <tr> <td data-bbox="86 1227 541 1388">Details of annual expenditure for purchase of books/e-books and journals/e- journals during the year (Data Template)</td> <td data-bbox="549 1227 1471 1388" style="text-align: center;">View File</td> </tr> </tbody> </table>	File Description	Documents	Any additional information	No File Uploaded	Audited statements of accounts	View File	Details of annual expenditure for purchase of books/e-books and journals/e- journals during the year (Data Template)	View File	
File Description	Documents								
Any additional information	No File Uploaded								
Audited statements of accounts	View File								
Details of annual expenditure for purchase of books/e-books and journals/e- journals during the year (Data Template)	View File								
4.2.4 - Number per day usage of library by teachers and students (foot falls and login data for online access) (Data for the latest completed academic year)									
4.2.4.1 - Number of teachers and students using library per day over last one year									
11									
<table border="1"> <thead> <tr> <th data-bbox="86 1686 541 1742">File Description</th> <th data-bbox="549 1686 1471 1742">Documents</th> </tr> </thead> <tbody> <tr> <td data-bbox="86 1753 541 1798">Any additional information</td> <td data-bbox="549 1753 1471 1798" style="text-align: center;">View File</td> </tr> <tr> <td data-bbox="86 1809 541 1899">Details of library usage by teachers and students</td> <td data-bbox="549 1809 1471 1899" style="text-align: center;">View File</td> </tr> </tbody> </table>	File Description	Documents	Any additional information	View File	Details of library usage by teachers and students	View File			
File Description	Documents								
Any additional information	View File								
Details of library usage by teachers and students	View File								
4.3 - IT Infrastructure									
4.3.1 - Institution frequently updates its IT facilities including Wi-Fi									

Universal College of Engineering has upgraded its Wi-Fi capability to 100 Mbps. On 3rd September 2014 the college secured a Wi-Fi (dedicated leased line) capability of 6 Mbps. On 5th June 2017 the Institute updated its Wi-Fi (dedicated leased line) capability to 32 Mbps which has been updated to 50 Mbps from February 2018. Universal College of Engineering has 22 Access Points, one Ruckus Controller, 22 Ruckus Fault mounts, 1-iball scanner, 33 projectors and 20 printers. Universal College of Engineering has licenses for Windows 7, office 7, windows 10, office 10 campus wide.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	Nil

4.3.2 - Number of Computers

420

File Description	Documents
Upload any additional information	View File
Student – computer ratio	View File

4.3.3 - Bandwidth of internet connection in the Institution

A. ? 50MBPS

File Description	Documents
Upload any additional Information	No File Uploaded
Details of available bandwidth of internet connection in the Institution	View File

4.4 - Maintenance of Campus Infrastructure

4.4.1 - Expenditure incurred on maintenance of infrastructure (physical and academic support facilities) excluding salary component during the year (INR in Lakhs)

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

134.93

File Description	Documents
Upload any additional information	No File Uploaded
Audited statements of accounts.	View File
Details about assigned budget and expenditure on physical facilities and academic support facilities (Data Templates)	View File

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.

Different committees are constituted to take care of physical and academic support facilities. All washrooms are maintained by dedicated housekeeping staff. The Head of the Department takes input from the faculties regarding the budget required for the laboratories and the proposal is given to the Principal. The head of the sports committee submits requirements for various sports materials which are sent to the head office for approval. The librarian forwards an acquisition form to all the faculties. The faculties fill it up and send it back to the librarian. The librarian sends the list of books required to the Principal who in turn sends it to the head office for approval. A physical muster is maintained to record all minor maintenance issues. Maintenance issues include electricity issues, and minor issues related to infrastructure. Whenever there is a major maintenance issue, a mail is sent to the head office regarding the issue. Whenever a mail is sent a ticket is generated with respect to the maintenance issue. Ticket is generated using dedicated software called "Zendex".The head office makes sure the issue is resolved. Whenever an issue is resolved the ticket is closed.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	Nil

STUDENT SUPPORT AND PROGRESSION

5.1 - Student Support

5.1.1 - Number of students benefited by scholarships and free ships provided by the Government during the year

5.1.1.1 - Number of students benefited by scholarships and free ships provided by the Government during the year**624**

File Description	Documents
Upload self attested letter with the list of students sanctioned scholarship	View File
Upload any additional information	No File Uploaded
Number of students benefited by scholarships and free ships provided by the Government during the year (Data Template)	View File

5.1.2 - Number of students benefitted by scholarships, free ships etc. provided by the institution / non- government agencies during the year**5.1.2.1 - Total number of students benefited by scholarships, free ships, etc provided by the institution / non- government agencies during the year****47**

File Description	Documents
Upload any additional information	View File
Number of students benefited by scholarships and free ships institution / non- government agencies in last 5 years (Date Template)	View File

**5.1.3 - Capacity building and skills enhancement initiatives taken by the institution include the following: Soft skills
Language and communication skills Life skills
(Yoga, physical fitness, health and hygiene)
ICT/computing skills**

A. All of the above

File Description	Documents
Link to institutional website	https://universalcollegeofengineering.edu.in/enrichment-activities/
Any additional information	View File
Details of capability building and skills enhancement initiatives (Data Template)	View File

5.1.4 - Number of students benefitted by guidance for competitive examinations and career counseling offered by the institution during the year

156

5.1.4.1 - Number of students benefitted by guidance for competitive examinations and career counseling offered by the institution during the year

156

File Description	Documents
Any additional information	View File
Number of students benefitted by guidance for competitive examinations and career counseling during the year (Data Template)	View File

5.1.5 - The Institution has a transparent mechanism for timely redressal of student grievances including sexual harassment and ragging cases Implementation of guidelines of statutory/regulatory bodies Organization wide awareness and undertakings on policies with zero tolerance Mechanisms for submission of online/offline students' grievances Timely redressal of the grievances through appropriate committees

A. All of the above

File Description	Documents
Minutes of the meetings of student redressal committee, prevention of sexual harassment committee and Anti Ragging committee	View File
Upload any additional information	No File Uploaded
Details of student grievances including sexual harassment and ragging cases	No File Uploaded

5.2 - Student Progression

5.2.1 - Number of placement of outgoing students during the year

5.2.1.1 - Number of outgoing students placed during the year

156

File Description	Documents
Self-attested list of students placed	View File
Upload any additional information	View File

5.2.2 - Number of students progressing to higher education during the year

5.2.2.1 - Number of outgoing student progression to higher education

18

File Description	Documents
Upload supporting data for student/alumni	View File
Any additional information	No File Uploaded
Details of student progression to higher education	View File

5.2.3 - Number of students qualifying in state/national/ international level examinations during the year (eg: JAM/CLAT/GATE/ GMAT/CAT/GRE/ TOEFL/ Civil Services/State government examinations)

5.2.3.1 - Number of students qualifying in state/ national/ international level examinations (eg: JAM/CLAT/NET/ SLET/ GATE/ GMAT/CAT/GRE/ TOEFL/ Civil Services/ State government

examinations) during the year**11**

File Description	Documents
Upload supporting data for the same	View File
Any additional information	View File

5.3 - Student Participation and Activities**5.3.1 - Number of awards/medals for outstanding performance in sports/cultural activities at university/state/national / international level (award for a team event should be counted as one) during the year****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) during the year.****2**

File Description	Documents
e-copies of award letters and certificates	View File
Any additional information	No File Uploaded
Number of awards/medals for outstanding performance in sports/cultural activities at university/state/national/international level (During the year) (Data Template)	View File

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

Universal College of Engineering (UCoE) has created a platform for the active participation of students in different academic committees and other activities of the Institute to make students gain various skills like leadership, teamwork, and to inspire them to develop their skills for their professional growth.

In the Institute, the Students' Council also participates in various activities to bring forward the views and suggestions of the students. Most of the students selected are based on their overall academic performance along with extracurricular activities. They

also carry projects related to community development & social work and the General Secretary of the Students' council is a member of IQAC.

The Students' Council members are continually active during Engineers Day Celebration, Teacher's Day Celebration, and AURORA (Sports and Cultural). These mega-events are conceived, planned, and organized by the Students' Council with the supervision of Alumni and Faculty members. Students wholeheartedly participate to make this event lively and enthusiastic for all the participants who come from various Branches of the Institute to participate in it.

Students' Council members are actively involved in spreading awareness about the Anti-Ragging Campaign in the Institute. They also contribute to the Rotaract Club of UCoE (Vasai) for Fundraising activities of various social projects.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	View File

5.3.3 - Number of sports and cultural events/competitions in which students of the Institution participated during the year (organized by the institution/other institutions)

5.3.3.1 - Number of sports and cultural events/competitions in which students of the Institution participated during the year

8

File Description	Documents
Report of the event	View File
Upload any additional information	No File Uploaded
Number of sports and cultural events/competitions in which students of the Institution participated during the year (organized by the institution/other institutions) (Data Template)	View File

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

Universal College of Engineering (UCoE) has registered an alumni association by the name "UCOE ALUMNI ASSOCIATION" having an Indian Bank account: CA-6655926067. The Alumni Association had held its first alumni conference on November 18, 2017, making it an annual activity. For the academic year, 2020-21 alumni meet was organized on 28th November 2020 with a total attendance of 140 alumni. Meet recording Link:-<https://drive.google.com/file/d/1RUC6d09EIfCIpBRQEZGocz7y5HW-VQXG/view?ts=611b73bb>

Annually, 3 sessions were undertaken by our Alumni. For instance, our Alumni Mr. Bhavya Goradia has conducted a "Webinar on Data Analytics" to explore the analytical process. Mr. Manan Sheth has conducted a "Webinar on Cyber Security" as a Career Choice wherein he shared the latest trends of technical information security & to overcome the problem of cybercrime. Mr. Sagar Mistry conducted a "Webinar on Word press" for website design.

Experience Sharing:

During the Alumni meet, the graduated students shared interview techniques, placement activities, software training, career development guidance, benefits of an internship, The experiences shared by the alumni are valuable sources of information for our current students. Through these sessions, our students not only learn about different careers but also explore various options in greater depth.

File Description	Documents
Paste link for additional information	https://universalcollegeofengineering.edu.in/alumni/
Upload any additional information	View File

5.4.2 - Alumni contribution during the year (INR in Lakhs)

D. 1 Lakhs - 3Lakhs

File Description	Documents
Upload any additional information	View File

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

VISION OF INSTITUTE:

To be a forerunner in rendering quality technical education with a multifaceted, research oriented approach, aspiring for excellence of students in the professional and social realm which spans across a wide and diverse horizon of opportunities.

MISSION OF INSTITUTE:

1. To boost holistic development of the students with an emphasis on technical education inclining towards socially relevant research.
2. To promote a learning ambience which further enhances innovation, creativity, team spirit, rational and scientific temperament thus making them successful world citizens of present and future.
3. To yield efficient professionals with the highest level of ethics and leadership skills, well equipped to face the Industry demands.

Nature of governance:

The Governing Council of the Institute has been constituted as per the norms of All India Council of Technical Education (AICTE) & Directorate of Technical Education (DTE), which are the regulatory bodies for approving colleges in India. It's main function is to ensure that stakeholders, including students, faculties and Institutional management, as well as those from the wider society, have full confidence and trust in our institution and that all those who have governance responsibilities and accountabilities, both within and outside Institutions, carry out these effectively.

File Description	Documents
Paste link for additional information	https://universalcollegeofengineering.edu.in/about-us/vision-mission/
Upload any additional information	View File

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

Tantrotsav event on Engineer's day was organized to encourage and mentor students to showcase their technical skills at various inter-collegiate competitions. Various activities planned in virtual mode to boost enthusiasm of students during pandemic situations. Mr. Asir Khan from the Department of Civil Engineering organized the event with assistance of Student coordinators from Student Council & Student Association bodies (ACES ,CSI, ITSA, IEEE). All HoDs discussed with their respective department faculties and finalized the department level events. All faculties' and student coordinators suggestions were considered in finalizing the common events (Poster Making, Technical Housie, Best out waste) which were open for all the departments. All students actively participated in the respective events. The online live voting was used for judging common events where faculties as well as students participated in voting. Single one time voting per event was only allowed to Universal email id users. Every department appointed their faculties as coordinators & judges for the departmental events like Technical Quiz, Tech Talk, Web & App Development (CMPN,IT,AIIML,IT), Circuit debug/design, Quiz (EXTC,ETRX) Urbania, Virtual Bingo (CIVIL). Non-teaching faculties supported generation of broadcast links on Youtube. All event coordinators maintained details of the event in the report.

File Description	Documents
Paste link for additional information	https://universalcollegeofengineering.edu.in/enrichment-activities/
Upload any additional information	View File

6.2 - Strategy Development and Deployment

6.2.1 - The institutional Strategic/ perspective plan is effectively deployed

Strategic Plan: Strong Institute-Industry interactions to improve placement of the students.

UCoE arranges Internships for students to experience industry environments and increase placement. All departments have organized webinars, workshops as per the trends, requirements of the industries to bridge gap between academia and industry expectation and to enhance Industry Institute Interactions to create employable and readily absorbable aspirants for the industries.

Example: Installation of Industry Institute Interaction cell

The Department of Civil Engineering in collaboration with industries initiated the Industry Institute Interaction cell to train the students and make them industry ready. Main aim of this cell is to bridge gaps between Industry and curriculum. The syllabus suggested by the Industry representatives Mr. Girish Dravid and Mr. Nikhil Shanghvi for "Structural Engineering Practice" was formally put up in the shape of 6 courses. Mr. Nikhil Shanghvi suggested initiating a similar course on Concrete technology practices. It was decided that Mr. Umang Bhavsar from Dhuri Concrete Co., a leading consultant for concrete related issues in India, will conduct a third course named "Formwork design". Introductory session was conducted on 29th August 2020 followed by second session on 5th September 2020 and so on. Around 121 students have opted for the course.

File Description	Documents
Strategic Plan and deployment documents on the website	View File
Paste link for additional information	https://universalcollegeofengineering.edu.in/industry-institute-interaction-cell/
Upload any additional information	View File

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

UCoE has an internal organizational structure that has evolved over 10 years. The system of governance is as follows:

- Management board comprises of the Advisory Body which is composed of Governing and Advisory council, IQAC and College Development Committee
- The Governing council function as Executive Body of the UCoE which take decisions and plan strategies for quality improvement

- The Group director is a management representative who provides guidance and support to principals in all administrative, academic and financial matters.
- The Principal is Head of the institution who is providing support and guidance for department activities, administrative service.
- The academic section comprises Head of Departments, teaching non teaching faculties , TPO, exam section, library, student council and admission committee representatives. They ensure smooth conduction of academic and cocurricular activities.
- Student Council has council members representing various committees like university representative, lady representative, disciplinary committee, cultural committee led by General Secretary. They provide support and assistance to activities and events organized by student chapters, departments at UCoE
- The Administrative section comprises Admin, canteen, account, security, store, transport support staff. The Administrative officer coordinate the administrative activities under the guidance of Principal

File Description	Documents
Paste link for additional information	Nil
Link to Organogram of the Institution webpage	https://universalcollegeofengineering.edu.in/wp-content/uploads/2022/02/6.2.2_organizational-structure-1.pdf
Upload any additional information	View File

6.2.3 - Implementation of e-governance in areas of operation Administration Finance and Accounts Student Admission and Support Examination

A. All of the above

File Description	Documents
ERP (Enterprise Resource Planning) Document	No File Uploaded
Screen shots of user interfaces	View File
Any additional information	No File Uploaded
Details of implementation of e-governance in areas of operation, Administration etc (Data Template)	View File

6.3 - Faculty Empowerment Strategies

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

1)) Work from home facility during the COVID-19 pandemic from March 2020.

2) Promoting self-development- Faculties are sponsored for conferences, workshops, research paper publication registration fees, on duty , study leaves for PhD work

3) Conducive work environment: The infrastructure is well designed and provides well-furnished seating arrangement for all of its employees. There are hygienic washrooms, Wi-Fi equipped Laboratories with printers. Fire Safety Compliant college campus ,RO drinking water facility

4) Tea service twice in day

5) Felicitation on Achievement- Faculties rewarded by 25K cash prize after completion of PhD

6) Free of cost transportation facility

7) Provident fund facility is provided to teaching ,non-teaching staff

8) Institute Laptops were issued to teaching & non-teaching faculties from ICTC

9) Health Care-Tie up with hospital (Dr.Sandip Aochar) and sick room is available in campus

10) Concession in fees is given to the wards of the faculty members

studying in sister Institutes

11) Provision for Parental leave including maternity leave and paternity leave

12) Special 1 day Vaccine leave if employee taken Covid-19 Vaccine

13) Work from home leave if employee tested positive for covid-19 till recovery (Covid-19 negative) 14) Teaching and Non-teaching can avail self learning portal like Coursera, Edx, ICT academy.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	View File

6.3.2 - Number of teachers provided with financial support to attend conferences/ workshops and towards membership fee of professional bodies during the year

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

46

File Description	Documents
Upload any additional information	View File
Details of teachers provided with financial support to attend conference, workshops etc during the year (Data Template)	View File

6.3.3 - Number of professional development /administrative training programs organized by the institution for teaching and non-teaching staff during the year

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

42

File Description	Documents
Reports of the Human Resource Development Centres (UGCASC or other relevant centres).	View File
Reports of Academic Staff College or similar centers	View File
Upload any additional information	View File
Details of professional development / administrative training Programmes organized by the University for teaching and non teaching staff (Data Template)	View File

6.3.4 - Number of teachers undergoing online/face-to-face Faculty development Programmes (FDP) during the year (Professional Development Programmes, Orientation / Induction Programmes, Refresher Course, Short Term Course etc.)

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

49

File Description	Documents
IQAC report summary	View File
Reports of the Human Resource Development Centres (UGCASC or other relevant centers)	View File
Upload any additional information	View File
Details of teachers attending professional development programmes during the year (Data Template)	View File

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

Institute follows an unbiased performance based appraisal system. The main objective of the performance based appraisal system is to improve efficiency and potential of the employees. At the end of the academic year, a self-appraisal form is filled up by employees which summarizes their achievements in that particular academic year. In the initial years, a self-appraisal form was provided to employees

in the form of hard copy which was digitized in the year 2016. Currently the Institute shares digital copies of self-appraisal form with employees. Respective HODs provide their feedback for teaching and non-teaching staff of their department which contributes to the appraisal. The attendance record of the employee is also checked for regularity during the academic year. The general behavior of all the employees observed by the Principal and other higher authorities also provide input to appraisal. Appraisal interviews are conducted department wise at the end of academic year by the Principal and Director of the Institute in presence of HR personnels. Faculty members are encouraged by the Panel to enhance their academic qualifications and to take up additional responsibilities to ensure all round development of the department. Based on these inputs the final appraisal is completed.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	View File

6.4 - Financial Management and Resource Mobilization

6.4.1 - Institution conducts internal and external financial audits regularly Enumerate the various internal and external financial audits carried out during the year with the mechanism for settling audit objections within a maximum of 200 words

The accounts section of the Institute maintains finances and accounts. It is strictly followed with proper accounting practices making records of each financial transaction using Tally accounting software. Management appoints third party duly certified Chartered Accountant for financial audit. Scholarships and freeships granted to students belonging to reserved category are audited by the government regularly. The internal audit is conducted for all departments . The College Development Committee(CDC) and Governing council (GC) review and approve audit reports. Measures taken to improve minor queries in audit on quality improvement. Institute's qualified accountant handles and maintains all financial records as per the required norms. Internal audit is conducted by the Account section thereby finalized by Chartered Accountant.

File Description	Documents
Paste link for additional information	https://universalcollegeofengineering.edu.in/about-us/administrative-committee/governing-council/
Upload any additional information	View File

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

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

1.82

File Description	Documents
Annual statements of accounts	View File
Any additional information	No File Uploaded
Details of Funds / Grants received from of the non-government bodies, individuals, Philanthropers during the year (Data Template)	View File

6.4.3 - Institutional strategies for mobilization of funds and the optimal utilization of resources

Being a permanently unaided Institute imparting professional education, the fees are finalized based on the expenses incurred by the Institute and the Management for meeting the specifications prescribed by AICTE, DTE, University of Mumbai and Government of Maharashtra for its academics and its related activities. In case of any shortfall, the Management provides the necessary funds. It also takes care of any capital or maintenance expenses. The fund generation is principally through the tuition fee, development fee, and Vidya Vikas Education Trust. Technical events get sponsorships from industry linkages. Purchases are made by the Central Purchase team based on the requisition by the college. For effective utilization of funds, Institutional Budget is prepared based on the academics and its related activities, suggestions given by IQAC and HoD's, Chairperson of the Committees etc. Same is approved by the College Development Committee and then the GC of the Institution. College Development Committee Review the Income & Expenditure during the year every quarter. For optimal utilization

available physical infrastructure is utilized beyond regular college hours to conduct techfest, conference, co-curricular activities, parent teacher interaction, orientation program, convocation ceremony and farewell party. Faculty have completed research projects for which they received minor research grants from University of Mumbai.

File Description	Documents
Paste link for additional information	https://universalcollegeofengineering.edu.in/photo-gallery/
Upload any additional information	View File

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

- ICT Supported teaching learning- UCoE ensured quality in online teaching learning. Students got exclusive universal gmail id for attending lectures, appearing for exams. Google classroom, interactive presentation, polling and quizzes were conducted for effective course learning.
- Industry oriented training - All departments organized webinars as per the trends, requirements of the industries to bridge the gap between academia and industry expectation. The Department of Civil Engineering initiated industry oriented certificate courses under Industry Institute Interactions initiative.
- Training and Placement- Placement cell conducted effective training programs to enhance and create employable and readily absorbable aspirants for the industries.
- Syllabus revision and paper setting- UCoE faculties contributed to curriculum development of the new syllabus by contributing in syllabus revision, subject orientation and paper setting.
- Alumni involvement in quality improvement- Alumni extended their support by conducting the webinar on various technical subjects from their expertise from the industry.

- Promoted co curricular activities- NSS , Rotaract clubs and various student chapters of UCoE conducted activities in the field of social welfare ,green initiatives & nationalism.
- Paperless work-Feedback systems for all sorts of assessments conducted online for all stakeholders to reduce usage of papers to promote green practices

File Description	Documents
Paste link for additional information	https://universalcollegeofengineering.edu.in /
Upload any additional information	View File

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

1. Quality improvement strategies adopted by the institution for Online Teaching and Learning:

UCoE conducted training for staff to design creative e-Learning content in the wake of the ongoing pandemic situation to explore virtual classroom teaching methodology. A Faculty Development Program was conducted for the teaching faculty, in which they learnt in detail about the various free tools for creating interactive resources for their day-to-day teaching activities. Session On "How to make effective lecture Videos" was conducted where emphasis was given on the various ways by which learning resources can be transformed into interactive, meaningful & eye-catching animations, interactive video lectures, quizzes, gamified tests.

2. Skill development add on courses and Industry Interaction / Collaboration

UCoE explored online self learning portals & increased association with global leaders in IT training like ICT academy, Oracle academy, Coursera, Edx, Edureka, Udemy, Swayam, NITTTR etc. for students' and faculties' skill set building and knowledge enhancement in the pandemic situation. Establishment of Industry Institute Interaction (III) by the Department of Civil Engineering provided the platform for students to bridge the gap between academics and industry needs

. Every department organized a webinar, workshop as per the trends, requirements of the industries to enhance Industry Institute Interactions.

File Description	Documents
Paste link for additional information	https://universalcollegeofengineering.edu.in/
Upload any additional information	View File

6.5.3 - Quality assurance initiatives of the institution include: Regular meeting of Internal Quality Assurance Cell (IQAC); Feedback collected, analyzed and used for improvements Collaborative quality initiatives with other institution(s) Participation in NIRF any other quality audit recognized by state, national or international agencies (ISO Certification, NBA)

B. Any 3 of the above

File Description	Documents
Paste web link of Annual reports of Institution	https://universalcollegeofengineering.edu.in/
Upload e-copies of the accreditations and certifications	View File
Upload any additional information	View File
Upload details of Quality assurance initiatives of the institution (Data Template)	View File

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 year

Girl students are provided with a safe, secure and comfortable ambience at Universal College of Engineering(UCOE) through various facilities like CCTV surveillance, fully equipped Health care room, Girls common room with sofa, bed, table, chair and attached washroom facility, Sanitary napkin dispensing machine, Doctor on call, First

Aid facility, proper boundary walls with fencing, Regular parent-teacher meetings, Female security guard and housekeeping staffs. Fire extinguishers, fire Hydrant system, full body sanitizer, Temperature check, biometric free check in, pedal based Sanitizers, sensor based automatic hand sanitizer dispenser were installed for the safety of everyone at campus. Discipline Committee, Anti Social means formation and Women development Cell maintains zero tolerance against ragging and eve teasing. These committees look after students Counseling and organize awareness programs on gender sensitivity. The Students' Council of UCoE has appointed a Lady representative and joint Lady representative to guide the students and attend issues of the female students.

Online Webinar on Dental Care, 3 Day COVID CARE PROGRAM, Women Day and Yoga Day celebration was organized considering multifaceted development of students.

UCoE promotes gender equity in admissions, recruitment, administrative functionality, student associations nominations and co-curricular and extra-curricular activities.

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

7.1.2 - The Institution has facilities for alternate sources of energy and energy conservation measures Solar energy Biogas plant Wheeling to the Grid Sensor-based energy conservation Use of LED bulbs/ power efficient equipment

B. Any 3 of the above

File Description	Documents
Geo tagged Photographs	View File
Any other relevant information	View File

7.1.3 - Describe the facilities in the Institution for the management of the following types of degradable and non-degradable waste (within 200 words) Solid waste management Liquid waste

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

Solid waste management: Dustbins are installed all across the campus to ensure the collection of all sorts of garbage. Waste collection bags are kept in bins on a daily basis.

e-Waste Management: The e-waste like electronic chips, hardware components etc. are centrally collected by the Head Office of the Trust and is then handed over to the e-waste managing bodies.

Waste-Recycle: Pro-Campuz Software is used by the Administration Section for students' enrollment, and further administration of academics. The Examination Cell uses VIVA software to store & retrieve data for applications like hall tickets, form filling and database management etc. This is to reduce usage of papers.

Reuse and Recycling of stationery for printing, disposing of shredded papers to paper vendors are some common steps which have been practiced.

All academic and intra-collegiate activities in the Campus are performed ensuring that carbon emissions are kept lowest by motivating students and staff to use public transport. All chemicals used in the Chemistry laboratory are diluted before releasing to the drainages.

File Description	Documents
Relevant documents like agreements/MoUs with Government and other approved agencies	No File Uploaded
Geo tagged photographs of the facilities	https://universalcollegeofengineering.edu.in/photo-gallery/
Any other relevant information	View File

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

B. Any 3 of the above

File Description	Documents
Geo tagged photographs / videos of the facilities	View File
Any other relevant information	View File

7.1.5 - Green campus initiatives include

7.1.5.1 - The institutional initiatives for greening the campus are as follows:

- 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**

A. Any 4 or All of the above

File Description	Documents
Geo tagged photos / videos of the facilities	View File
Any other relevant documents	View File

7.1.6 - Quality audits on environment and energy are regularly undertaken by the institution

7.1.6.1 - The institutional environment and energy initiatives are confirmed through the following 1.Green audit 2. Energy audit 3.Environment audit 4.Clean and green campus recognitions/awards 5. Beyond the campus environmental promotional activities

C. Any 2 of the above

File Description	Documents
Reports on environment and energy audits submitted by the auditing agency	View File
Certification by the auditing agency	No File Uploaded
Certificates of the awards received	No File Uploaded
Any other relevant information	View File

7.1.7 - The Institution has disabled-friendly, barrier free environment Built environment

A. Any 4 or all of the above

with ramps/lifts for easy access to classrooms.
 Disabled-friendly washrooms Signage including tactile path, lights, display boards and signposts Assistive technology and facilities for persons with disabilities (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

File Description	Documents
Geo tagged photographs / videos of the facilities	No File Uploaded
Policy documents and information brochures on the support to be provided	No File Uploaded
Details of the Software procured for providing the assistance	No File Uploaded
Any other relevant information	View File

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 200 words).

Universal College of Engineering (UCOE) is always at the forefront of inviting diversity, eradicating stereotypes, enhancing self-esteem, encouraging students to have a voice and demanding educational achievement.

Grievance Redressal cell and Students' Council Committee aims at social protection, ensuring tolerance and harmony, reducing vulnerability, building human capital, empowering women and girls, cultural, regional inclusion.

During national festivals and other events of the college, NSS team invited Dr. Preeti Modi, psychotherapeutic, Mr. Sanjay Rahate, CEO of Get Set Go World Organization to emphasize the importance of tolerance and harmony towards cultural, regional, linguistic, communal socio-economic diversities.

The Cultural Committee organized an event named AURORA consisting of plays, competitions, educated the students and made them aware of their social responsibilities and understand the implications of

their actions. Students were involved and encouraged to participate in various co-curricular and extracurricular activities to make them mingle with one another and share their opinions and disagreements in a harmonious manner.

UCoE provides meritorious scholarships as financial support and conducts aptitude and general knowledge classes for the interested students to help them for their competitive exams.

Scholarships were granted to students who have lost one of their parents in COVID Pandemic.

File Description	Documents
Supporting documents on the information provided (as reflected in the administrative and academic activities of the Institution)	View File
Any other relevant information	No File Uploaded

7.1.9 - Sensitization of students and employees of the Institution to the constitutional obligations: values, rights, duties and responsibilities of citizens

Universal College of Engineering sensitizes students and employees regarding citizens' values, rights, duties, and responsibilities, enabling them to act responsibly. By offering an effective, supportive, safe, accessible, and affordable learning environment, students will be equipped with the knowledge, skills, and values needed to maintain a balance between work and life. These values are inculcated in the value system of the college community. Students are involved in awareness campaigns about the ban on plastics, cleanliness, Swachha Bharat Abhiyan, and other topics. For students and employees, a code of conduct has been prepared, and everyone is expected to follow the standards. Celebrating days like Independence Day, Constitution Day and Republic Day allowed the students to express their patriotism through various events conducted on these days. Students are involved in webinars towards social responsibilities through the programs like Tree plantation, Spit free India pledge and Helping Paw friends like activities. Webinars like Know Your Rights made students & faculties aware about the legal aspects related to women safety and laws which shall be helpful for youth empowerment. Webinar on subjects like Vegan outreach helped students sensitize about animals and avoid products derived from animal base.

File Description	Documents
Details of activities that inculcate values; necessary to render students in to responsible citizens	View File
Any other relevant information	View File

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

A. All of the above

File Description	Documents
Code of ethics policy document	No File Uploaded
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	No File Uploaded
Any other relevant information	No File Uploaded

7.1.11 - Institution celebrates / organizes national and international commemorative days, events and festivals

International Yoga Day was celebrated on 22nd June, 2020 to develop the habit of meditation among everyone so that they can enjoy peace of mind and self-awareness, essential for a stress-free existence. Teachers Day was celebrated on 05th September, 2020 commemorating the birthday of Dr. Sarvepalli RadhaKrishnan by felicitating eminent personalities from the educational field. Engineer's day was celebrated on 15th September, 2020 to mark the birth anniversary of Sir Mokshagundam Visvesvaraya by technical fest celebration. NSS Day was celebrated on 24th September with a view to bring various NSS units together. World habitat day was celebrated on 05th October, 2020 with the purpose to focus on the explanation of the state of human settlements and the basic right of all to adequate shelter.

Awareness About AIDS was arranged on 01st December, 2020. International Women's Day was celebrated on 08th March, 2021 to encourage the role of women and to raise awareness of women's rights, to achieve equal opportunity status in life. World water day was celebrated on 22nd March, 2021 with the theme "Valuing Water".

File Description	Documents
Annual report of the celebrations and commemorative events for the last (During the year)	View File
Geo tagged photographs of some of the events	No File Uploaded
Any other relevant information	No File Uploaded

7.2 - Best Practices

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

Best Practice 1: Virtual Hackstomp aimed at giving students technical exposure, coming up with innovative ideas & cater to the needs and demands of the corporate world.

UCoE emphasizes practical professional skills in students by taking advantage of campus infrastructure, laboratories, and workshops by encouraging students to get hands-on experience through participating in technical challenges, specially designed for domain-specific applications to solve real-time technical problems.

A 24hrs Non-stop coding competition was arranged for engineering students from all over Maharashtra under the theme "#INNOVATIONFORINDIA" for identifying problems, preparing solutions, and integrating judges' suggestions.

The team learned various technical strategies to aid them in various challenges in Smart India Hackathon (SIH).

Since the event was conducted Online due to pandemics, technical connectivity issues at the participants' end made a few teams delay their presentations in front of the panel.

Best Practice 2: Academia-Industrial Collaboration aimed to create placement opportunities for students in reputed Organizations.

With a commitment to raising the students' skills and enhancing their

career opportunities, regular interactions with industries were executed.

Faculties and Students interact with Industrial personnel to conduct career guidance workshops for the final and preparatory sessions for third-year students to copewith the ever-enhancing technologies and corporate requirements.

Record-breaking placements of students in emerging technologies.

Linkages among industrial personnel increased which led to increasing collaborations with them in exchange for various Technical Training Programs under the headships of industrial experts.

Expectations of current Industry requirements for conducting hands-on training on various technical sessions were not met due to the low configuration systems of the participants.

File Description	Documents
Best practices in the Institutional web site	View File
Any other relevant information	View File

7.3 - Institutional Distinctiveness

7.3.1 - Portray the performance of the Institution in one area distinctive to its priority and thrust within 200 words

1. **Industry Institute Interaction Cell:** The Industry Institute Interaction Cell is a unique mode of teaching-learning process which acts as a contact center between industry and the Department of Civil Engineering of UCoE. Industry interaction is critical for bridging the gap between the theoretical and practical components of the curriculum. The Industry Institute Interaction Cell acknowledges this need and fulfills it by holding regular associations and meetings with industry professionals, giving students industry exposure and enabling students to learn skills such as Structural Engineering Practices, Concrete technology practices and Formwork design other than those taught in the classroom.
2. **Covid Pandemic Scholarship:** The College during Covid-19 pandemic in 2020-2021, provided a vital support structure for

the students who were left vulnerable with very little or no financial support for their further education owing to a COVID-led crisis (family or financial) in their family. The loss of one or both parents has hit hundreds of students across India, many of whom are being forced to drop out of schools or colleges for the same. The scholarship was to support such students so they can continue their education in these hard times.

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

7.3.2 - Plan of action for the next academic year

- To promote and motivate faculties for research work
 - Faculties shall be rewarded for receiving Doctorate Degree along with grant of study leave during the tenure of study.
- To establish an incubation center or Center of Excellence
 - Provision for activities under incubation or Center of Excellence with the help of industry personnel
- To introduce skill oriented courses
 - Internal/ External resources to be deputed to deliver skills oriented sessions/ certification courses to the students.
- To motivate faculties for minor & major research projects
 - Eligible staff can undertake research work and submit their proposals for securing Minor/ Major research Project Grants at University of Mumbai and similar agencies.
- Formation of various technical clubs
 - New technical clubs can be introduced as student centric

and student-run activities

- Existing clubs can be renewed with new members and suggested modifications by existing panel
- Formation of Advisory Board.
 - Advisory Boards can be formed to provide current knowledge, critical thinking to bridge the gap between industry & academics.
- Enhancement of Retract Club, UBA and NSS Activities.
 - To provide opportunities for personal and group activities to serve the community and promote international understanding and goodwill toward all people.