YEARLY STATUS REPORT - 2021-2022

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.   **02506962458**

- Mobile No: **9029144325**

- Registered e-mail   **ucoe.principal@universal.edu.in**

- Alternate e-mail   **director.ucoe@universal.edu.in**

- Address   **Universal College of Engineering, Kaman Bhiwandi Road, Kaman Vasai-401208**

- City/Town   **Kaman Vasai East**

- State/UT   **Maharashtra**

- Pin Code   **410208**

2. Institutional status

- Affiliated / Constitution Colleges   **Affiliated**

- Type of Institution   **Co-education**

- Location   **Urban**

- Financial Status   **Self-financing**

- Name of the Affiliating University   **University of Mumbai**

- Name of the IQAC Coordinator   **Mudra Doshi**

- Phone No.   **9029652532**

- Alternate phone No.   **02506962458**

- Mobile   **8369222419**

- IQAC e-mail address   **mudra.doshi@univresal.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/2023/07/AQAR2020-21.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/

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
Applied Science & Humanities/Dr. Teena Trivedi	Faculty welfare scheme	Vidya Vikas Education Trust	2022	25000
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Information Technology/Dr. Yogita Mane	Faculty welfare scheme	Vidya Vikas Education Trust	2022	25000
Information Technology	Hackstomp	Delta Electronics	2022	15000
Information Technology	Hackstomp	Success project	2022	10000
Student Council	Aurora	Vidya Vikas Education Trust	2022	172500
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Electronics & Telecommunication	Covid 19 Entrance booth project	Vidya Vikas Education Trust	2022	3975
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8.Whether composition of IQAC as per latest NAAC guidelines   **Yes**

- Upload latest notification of formation of IQAC

  View File

9.No. of IQAC meetings held during the year   **4**

- Were the minutes of IQAC meeting(s) and compliance to the decisions have been uploaded on the institutional website?   **No**

- 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**

- If yes, mention the amount

11.Significant contributions made by IQAC during the current year (maximum five bullets)

1. Extensive conduction of Workshops & seminars for students Under the IQAC (Internal Quality Assurance Cell) initiative, engineering students have been actively involved in conducting extensive workshops for fellow students. These workshops have been designed to impart valuable skills and knowledge in diverse fields. Topics covered include technical subjects such as coding, programming languages, and robotics, enhancing students' proficiency in these areas were promoted in the workshops such as Workshop on Android & Java, Workshop on Complete Guide to GUI programming application 2021, . Moreover, non-technical workshops on communication skills and leadership development have been organized to equip students with essential life skills under the seminar on Tips in Essay writing. The engineering students have also facilitated workshops focusing on career guidance, resume building, and interview preparation, aiding their peers in their professional pursuits. The initiative fosters a culture of peer-to-peer learning and knowledge-sharing, nurturing an environment where students can learn from each other's expertise. Through these workshops, the engineering students have played a significant role in enhancing the overall learning experience and academic growth within their institution.

2. Formation of enhanced Student Clubs: 2A. One of the biggest and most well-liked programming competition platforms in the world,

CodeChef is favored by both amateur and expert programmers. College Chapters are programming groups with a focus on competition and are supervised and mentored by CodeChef. With the help of the CodeChef platform, College Chapters are able to share knowledge among themselves and foster a strong culture of competitive programming throughout all Indian institutions and schools. 2B. The cyber security club of the Universal College of Engineering is called Ncrypted. The group's main objective is to provide technical tools to students interested in cybersecurity so they can advance their careers in the industry. The club achieves this by hosting alternate-weekly meetings where participants may talk about and put into practice practical cybersecurity concepts like network security, digital forensics, penetration testing, secure coding, cryptography, and reverse engineering. The club's competition team meets once in a month to take part in cyber security exercises. These training sessions give the squad the chance to compete against other institutions from across the world while applying offensive and defensive cybersecurity techniques.

3. Enhancement in Online events The IQAC initiative has led to significant enhancements in online events organized by students. These improvements have enriched the virtual experiences and engagement of participants. Firstly, students have incorporated advanced virtual platforms, making events more accessible and interactive. They have also diversified the event formats, incorporating webinars, virtual conferences, and hackathons, catering to a broader audience. The inclusion of prominent guest speakers and industry experts has brought valuable insights to the events. Additionally, engineering students have utilized innovative tools for networking, encouraging meaningful connections among attendees. The initiative has also focused on improving event promotion through social media campaigns and targeted outreach, resulting in higher attendance rates. Overall, these efforts have elevated the quality of online events, providing a valuable platform for knowledge sharing, skill development, and networking opportunities for all participants involved. 3A. STTP: The Association of Civil Engineering Students in association with The Institution of Engineers (IEI), Belapur Local Centre, India had conducted a five-day, dual session training program on 'Soil Exploration, Investigation, Characterization and Ground Improvement from 3rd January to 7th January 2022 with participants from industries & academics from all over India. 3B. ReactJS: The ReactJS workshop was organized as a comprehensive learning opportunity designed to introduce participants to the fundamentals of ReactJS, a popular JavaScript library for building user interfaces. Participants will explore key concepts, hands-on exercises, and real-

world examples to gain practical knowledge in developing dynamic and interactive web applications using ReactJS.

4. Introduction of Add-on Courses As an initiative by IQAC, Universal College of Engineering had organized an Add On Course " Mathematical Modelling" for all the software branches of Second year Students. The course duration was 24 hours in which the Mathematics sessions were 12 hours and practical sessions were 12 hours. The course was designed to help the students grasp the fundamentals of probability, measures of dispersion, correlation and regression, and linear algebra. After completing the course, the students were able to use the theory of statistics and comprehend how linear algebra may be used to solve engineering challenges in data science, machine learning, and artificial intelligence. Using assignments, transportation, and traveling salesman procedures, the students may also apply the idea of various regression models for calculating data and comprehend a range of real-life probability circumstances.

5. Awareness to students about Social services Under the IQAC (Internal Quality Assurance Cell) initiative, the students under NSS & Rotaract Club of the Institute have actively engaged in various commendable social services. These services aim to positively impact their communities and foster meaningful change. Students have taken up initiatives such as organizing Camp at Nagle village for underprivileged children, promoting digital literacy by conducting computer training sessions, and providing skill development programs to empower marginalized individuals. Additionally, students participated in environmental conservation activities, including tree planting drives and awareness campaigns on sustainable practices. Moreover, they have extended their support to nearby schools by renovating infrastructure, setting up libraries, and donating essential learning materials. The Clubs also initiated an idea of Book Donation drive to underprivileged students. To support the local tribal people, the students marketed the hand-made Rakhis (sacred thread tied by sister to her brother) from them and the collected revenue was given back as a token of well being.Through these diverse endeavors, the students have demonstrated their commitment to social responsibility and contributed to creating a more inclusive and sustainable society.

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
A organized program to be offered to new students with the goal of assisting them in adjusting to and becoming familiar with the college environment, imparting the institution's ethos and culture, and assisting them in forming bonds with other students and teachers.	Successfully conducted Offline Student Induction Program for First year student from 27-29th Dec 2021 along with Direct second year student Orientation on 21st Dec 2021
Faculty members should participate in Subject Orientation and the Board of Studies in order to adopt the appropriate proposals made by the stakeholders.	11 faculties participated in Syllabus Revision Committee and paper setting. 39 faculties attended Subject Orientation programs,Induction programs and short term courses related to their subjects. The Orientation Program for the Computer Network (CSC503) & Transportation Engineering was conducted online by Department of Computer Engineering & Department of Civil Engineering on behalf of Mumbai University on 7 th July 2021 & 6th July 2021 respectively. Also, Orientation session was conducted on Mini Project by Department of Computer Engineering on 1st Sept. 2021. Mr.Sridhar Iyer created and conducted of Non credit course for Uttarakhand Open University on Digital Forensics in association with Commonwealth Educational Media Center for Asia (CEMCA)
Encourage faculty and students to attend more national and international conferences and to submit high-caliber papers to reputable publications.	Number of Inernational Conferences attended-2 Number of Scopus Index/UGC approved paper published-43 Mrs. Vishaka Shelke published book 'Thing Translator: An Efficient Way to Classify Different Things' in

	Eliva Press SRL Publication, Europe. Mrs. Sharvari Patil and Mr. Shridhar Iyer published book named 'Cyber Security' under Tech Neo Publications. Dr.Teena Trivedi published book ' Random Signal Analysis' in Tech Knowledge Publications
Encourage faculties to upgrade their skills and pursue higher education(Research work)	1. Dr. Yogita Mane, Dr. Masiyuddin Khan, Dr.Teena Trivedi and Dr.Sonal Borse were rewarded with Rs- 25,000 cash for acquiring with Ph.D degrees as a token of appreciation which motivated faculties to enrol themselves for phD. 2. Dr. Teena Trivedi participatied in Committee of Engineering Mathematics Teachers Society,India. 3. Dr J.B.Patil was invited as Eminent speaker at Higher Education Conclave at Pune. 4. Dr. Jitendra Saturwar successfully completed four week certification course on DATA science. 5. Mr. Sridhar Iyer was awarded with the Best Teacher Award of the year from Academisthan.
Introduce New Add-On courses to enhance students skills, knowledge as per industry requirement and motivate students to undergo Certification courses.	1. MOU signed with ICT academy , Google Cloud Ready Facilitator program Essential Tool, UREKA Education,Techustad and SAHU Technologies for internship purposes. 2. MOU signed with PALO ALTO,EDX,CISCO and COURSERA for Educational Courses. 3. MOU with AWS Essential, AWS academy cloud facilitator on 31st sep 2021 which will deal with Online courses and also Internships can be availed. 4. Inauguration of Center of Excellence for youth Empowerment.with ICT academy on

	17th Nov 2021. 5. Institute also introduced Add-on course on –Mathematical Modelling in which 178 students enrolled and successfully completed the course. 6. AWS 100 hours certification course was successfully conducted by "COE for Youth Empowerment under the "Honeywell Automation CSR initiative – Skill Training in Advance Technology with Global Certification " for 105 BE IT, Computer Engineering ,AIML and Data Engineering Students in 2 Batches.
Develop the capabilities of faculties by providing training in practicals and softskills.	Conducted following activities to enhance the capabilities of teaching & non-teaching staff. 1. Seminar on Recent trends technologies & tools in Computer Engineering & AIML on 5th Jan 2022. 2. One week workshop on ReactJS by the Department of Information Technology during the tenure of 5-10 July 2021. 3. Short Term Training Program on Soil Exploration, Investigation, characterization and ground improvement from 3rd to 7th January 2022. 4. Webinar on Complete guide to GUI programming Application 2021.
Motivate Students to work on Innovative Research Projects.	1. Four groups of BE Computer Engineering represented UCoE at
Promote & support students to develop their extra-curricular activities.	1. Successfully completed the offline Sports & Cultural event AURORA from 19th march 2022 to 25th March 2022. 2. The Cricket team of UCoE grabbed second runner-up in SKREAM 2022 at K J Somaiya College,Mumbai
Introducing new courses,	Conducted following activities

seminars, and webinars to help people deal with the health predicament the Covid Pandemic has produced.	in relation to covid Management: 1. 3days workshop on Covid care Immunity booster from 29July to 1August 2021. 2. Webinar on' Mind Management and Success ' conducted by the Department of Computer Engineering on 6th August 2021. 3. Vaccination drive by Rotaract Club of UCoE on 30August 2021 4. Seminar on
Encourage faculties to attend/arrange workshops, seminar/webinar , field visit to enhance the teaching-learning process.	Few exceptional workshops/seminar attended/arranged were: 1. 1 Day Workshop on node.js on 25Sept 2021 2. one week workshop on ReactJS by the Department of Information Technology during the tenure of 5-10 July 2021 3. Survey Camp was successfully completed by the Department of Civil Engineering from 20-23rd Dec 2021 in first batch & 13-16th March 2022 for the second batch. 4. Expert talk by Dr. Nilesh Uke on Technical paper writing ,checking plagiarism for faculties conducted successfully on 29th Nov. 2021. 5. Webinar on
Arrange the activities for students through Alumni Group to give valuable inputs in enhancing quality of students	1. Bhavya Goradia being Alumni of Department of Computer Engineering, who is Internal Audit Manager in Kotak Mahindra Bank,Mumbai conducted a webinar on
Participate in Institutional rankings to improve the quality of education.	Ranks by Institutional Ranking Platforms: 1.Times Ranking 2021: 1st in Top emerging engineering Institutes. 2. Education World- 7th in top private engineering institute in State & 44th in India.
Arrange Farewell & Convocation	Successfully arranged On-Campus

for students of AY2020-21 in offline mode .	Convocation ceremony on 5th march 2022 and celebrated Farewell for BE students on 30 April 2022 .
Conduct Social activities under NSS, Rotract, WDC and Students Chapters to practise national integration and social harmony.	Activities conducted under NSS, UBA and WDC to address issues related to society, environment, human values, gender equity etc. Some are listed below 1. Inauguration of Center of Excellence for Youth Empowerment with ICT academy on 17th Nov 2021. 2. Blood Donation Camp,vaccination drive was organized in association with Rotaract Club & NSS of UCoE in association with Vasai Rotary Club. 3. Online Mock (MH CET) test for engineering aspirants organized by Department of Applied Science and Humanities. 4.
Conduct Activities to train the students in required technical skills as per the company requirements	The following sessions were conducted for students to overcome placement related queries: 1.Webinar on guidance for TCS Interview preparation on 27th Aug 2021. 2.Counselling Session on Higher studies on 7Sept 2021. 3. Webinar on Mock Interview for Placement on 25 & 29 September 2021. 4. Webinar on Industy scenario opportunities on 30Sept 2021. 5. Webinar on Placement InsightArray on 6th Oct 2021 by Rotaract Club of UCoE. 6. Webinar on Financial Literacy Investor education on 10 Nov 2021 by Rotaract Club of UCoE. 7. Seminar by Eduguide Overseas studies to bring awareness among students for abroad higher studies. 8. "Webinar on problems on Array

	and strings" and "Webinar on Identifying Target" conducted in association with CodeChef on 29January 2022.
All that examinations will be conducted in online mode as per rules & regulations of University of Mumbai for the SE,TE, BE students & ATKT students of the 2021-22.	The Examination Cell took the initiative of making students practice the Online mode of examination pattern by uploading Sample question paper & mock tests prior to the end sem examination of all regular courses.

13.Whether the AQAR was placed before statutory body?

Yes

- Name of the statutory body

Name	Date of meeting(s)
Governing body	28/10/2022

14.Whether institutional data submitted to AISHE

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.	**02506962458**
• Mobile No:	**9029144325**
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2.Institutional status	
• Affiliated / Constitution Colleges	**Affiliated**
• Type of Institution	**Co-education**
• Location	**Urban**
• Financial Status	**Self-financing**
• Name of the Affiliating University	**University of Mumbai**
• Name of the IQAC Coordinator	**Mudra Doshi**

• Phone No.	**9029652532**
• Alternate phone No.	**02506962458**
• Mobile	**8369222419**
• IQAC e-mail address	**mudra.doshi@univresal.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/2023/07/AQAR2020-21.pdf
4.Whether Academic Calendar prepared during the year?	**Yes**
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of education.	2021: 1st in Top emerging engineering Institutes. 2. Education World– 7th in top private engineering institute in State & 44th in India.
Arrange Farewell & Convocation for students of AY2020–21 in offline mode .	Successfully arranged On–Campus Convocation ceremony on 5th march 2022 and celebrated Farewell for BE students on 30 April 2022 .
Conduct Social activities under NSS, Rotract, WDC and Students Chapters to practise national integration and social harmony.	Activities conducted under NSS, UBA and WDC to address issues related to society, environment, human values, gender equity etc. Some are listed below 1. Inauguration of Center of Excellence for Youth Empowerment with ICT academy on 17th Nov 2021. 2. Blood Donation Camp,vaccination drive was organized in association with Rotaract Club & NSS of UCoE in association with Vasai Rotary Club. 3. Online Mock (MH CET) test for engineering aspirants organized by Department of Applied Science and Humanities. 4.
Conduct Activities to train the students in required technical skills as per the company requirements	The following sessions were conducted for students to overcome placement related queries: 1.Webinar on guidance for TCS Interview preparation on 27th Aug 2021. 2.Counselling Session on Higher studies on 7Sept 2021. 3. Webinar on Mock Interview for Placement on 25 & 29 September 2021. 4. Webinar on Industy scenario opportunities on 30Sept 2021. 5. Webinar on Placement InsightArray on 6th Oct 2021 by Rotaract Club of UCoE. 6. Webinar on Financial Literacy

	Investor education on 10 Nov 2021 by Rotaract Club of UCoE. 7. Seminar by Eduguide Overseas studies to bring awareness among students for abroad higher studies. 8. "Webinar on problems on Array and strings" and "Webinar on Identifying Target" conducted in association with CodeChef on 29January 2022.
All that examinations will be conducted in online mode as per rules & regulations of University of Mumbai for the SE,TE, BE students & ATKT students of the 2021–22.	The Examination Cell took the initiative of making students practice the Online mode of examination pattern by uploading Sample question paper & mock tests prior to the end sem examination of all regular courses.

13.Whether the AQAR was placed before statutory body? — **Yes**

- Name of the statutory body

Name	Date of meeting(s)
Governing body	28/10/2022

14.Whether institutional data submitted to AISHE

Year	Date of Submission
2021–22	21/01/2022

15.Multidisciplinary / interdisciplinary

For all of the software branches of second-year students, Universal College of Engineering had created an Add On Course called "Mathematical Modelling." The course lasted for 24 hours, of which 12 hours were spent on math lessons and another 12 on practicals.

The goal of the course was to give the students a solid foundation in probability, dispersion measurements, correlation

and regression analysis, and linear algebra. After finishing the course, the students were able to use statistical theory and understand how linear algebra could be utilized to address engineering problems in artificial intelligence, machine learning, and data science. The students can also use the concept of numerous regression models for calculating data and comprehend a variety of real-life probability scenarios by using assignments, transportation, and traveling salesman techniques.

We implemented Atal Tinkering Labs (ATL lab) in two schools in Mumbai, Universal High School Dahisar and St. Universal School Goregaon, under the direction of Institution Innovation Council (IIC) of Universal College of Engineering.

The ATL teachers have planned to conduct sessions for students on new technologies, both conceptually and practically with an effort to connect technology and real-time applications.

Young brains can mold their ideas through practical do-it-yourself mode at ATL while also learning innovation skills. Young children will have the opportunity to use tools and equipment to learn about STEM (Science, Technology, Engineering, and Maths) principles.

Goals for ATL:

• To design environments where young minds can gain creativity skills, shape concepts via practical exercises, and work and learn in a flexible setting.

• To provide our young people with the abilities necessary for the twenty-first century, such as creativity, innovation, critical thinking, design thinking, social and intercultural collaboration, ethical leadership, etc.

• To contribute to the development of creative remedies for India's particular problems and so aid India's attempts to develop a knowledge economy.

16.Academic bank of credits (ABC):

The Institute under the University of Mumbai is planning to offer honors and minor degree programs to students, providing opportunities for academic specialization and interdisciplinary

learning. Honors degrees require students to maintain high academic standards and often involve courses from semester 5 to semester 8. These programs will enable students to delve deeper into their chosen majors and gain a comprehensive understanding of their fields. Minor degrees will allow students to pursue a secondary area of interest alongside their major, fostering a broader academic experience. Through these diverse degree offerings, the Institute aims at empowering students to excel in their chosen fields and explore their passions.

17.Skill development:

Skill development is a vital aspect of educational activities, and various events like seminars, workshops, Tantrotsav, Hackstomp, and VYRO played a significant role in fostering students' growth. Seminars provided a platform for students to gain insights from experts in their fields, enhancing their knowledge and critical thinking abilities. Workshops offer hands-on training and practical experience, enabling students to acquire technical and soft skills.

Hackstomp, a hackathon-style event, promoted problem-solving and collaboration, honing participants' coding and innovation skills. Tantrotsav & VYRO technical festival encouraged students to develop organizational, teamwork, and event management skills, stimulating engineering students' inventiveness and technical proficiency in designing and implementation.

These activities collectively contributed to well-rounded skill development, empowering students for real-world challenges and future careers. Communication, leadership, time management, and adaptability were honed through active participation in organizing and managing these events. Additionally, these activities foster networking opportunities, allowing students to connect with peers, professionals, and potential employers.

Skill development in these activities goes beyond theoretical knowledge, instilling a sense of confidence, resilience, and adaptability. As students are engaged in diverse learning experiences and tackle unique challenges, they cultivate a growth mindset, preparing them to excel in their academic pursuits and thrive in the dynamic professional world. Overall, these events served as invaluable platforms for students to enhance their capabilities, empowering them to become well-rounded individuals with the skills necessary to succeed in their chosen paths.

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

Tahuko (Dussehra), along with the Diwali savory distribution celebration , and Teachers' Day celebration indicated how Indian knowledge systems have been merged inside the engineering community in our Institute. In order to highlight the preservation of Indian history and its influence on the area of engineering, students organized cultural activities that include traditional music, dancing, and recitations of old texts during Tahuko(Dussehra-Ayudhya Pooja) & Diwali.

On Teachers' Day, engineering students honored their teachers in appreciation for their essential contributions to knowledge transfer and guidance throughout their academic careers. To recognize the significant contribution teachers have made to engineering education, the event featured felicitations, interactive discussions, and expressions of gratitude.

These activities gave the engineering community a holistic grasp of knowledge and its role in determining the future of engineering professionals by promoting a feeling of cultural identity and respect for educators.

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

The principles of outcome-based education (OBE) are ideally aligned with the add-on course "Mathematical Modelling," which improves students' problem-solving skills and learning experiences. Students are introduced to the foundations of mathematical modeling and its useful applications in numerous real-world circumstances through this course. The goal of the course is to help students gain the critical thinking, data analysis, and decision-making abilities they need to confidently approach complicated situations.

According to the OBE model, the course established specific learning outcomes that outline the knowledge and abilities that students should acquire. The program includes practical assignments and case studies where students use mathematical modeling strategies to solve real-world problems. Continuous improvement and the achievement of targeted learning outcomes are ensured by frequent assessments and feedback.

Students will have developed their analytical and mathematical

thinking abilities by the end of the course, putting them in a position to succeed in both their academic and professional endeavors. The "Mathematical Modelling" Add On Course helps students develop their problem-solving skills so they can make valuable contributions to their areas and to society as a whole.

20.Distance education/online education:

The Institute skillfully implemented online teaching in response to the pandemic circumstances, creating a secure and supportive learning environment. The Institute slowly restarted on-campus classes, from November 2021, using a well-thought-out strategy while following health regulations(proper sanitation measures) and practices like Covid vaccination drive for timely & suitable inoculation of vaccine doses. With the flexibility and accessibility of online materials, this effective implementation gave students beneficial in-person connections, useful lab experiences, and hands-on instruction. The institution's readiness during the pandemic showed its dedication to providing a well-rounded educational experience that gives graduates the tools they need to succeed in the changing professional context.

Extended Profile

1.Programme

1.1 Number of courses offered by the institution across all programs during the year	**363**

File Description	Documents
Data Template	[View File](#)

2.Student

2.1 Number of students during the year	**1444**

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	**692**

File Description	Documents
Data Template	View File

2.3 Number of outgoing/ final year students during the year	**397**

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)	**107.98**
4.3 Total number of computers on campus for academic purposes	**420**

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

Institution has the mechanism for well-planned curriculum delivery and documentation.

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

• To prepare an academic calendar at Institute level in consonance with the academic calendar of the University.

• To prepare Master & Class timetables that are verified by HOD's of the respective departments.

• To prepare the Lesson plan, Course Files, Laboratory Manuals, maintenance of lab equipment, installation of Software (if required).

• Induction program is conducted for first year students before starting their curriculum in order to make them feel comfortable and to help them to set the daily routines.

• To organize expert lectures to bridge the gap between academics & Industry.

• To evaluate student performance based on Tutorials, IAT and Presentations.

• To conduct mentoring sessions and parents meet for overview of student's performance.

• To conduct ESE and assessments as per university norms and prepare result analysis to determine the achievement of CO.

• To motivate students to undergo an internship program.

• During pandemic lectures were conducted in online mode for odd semesters and for even semester Hybrid mode was used.

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)

Universal College of Engineering, an institute affiliated with the University of Mumbai (UoM) prepares its academic calendar in adherence to the calendar of UoM. The Academic Calendar of UoM University declares dates at the beginning of the semester for IAT's, practical/ oral exams, ESE, and a list of public holidays. All the HOD's, event/activity coordinators prepare their line of action for inter-departmental activities based on the academic calendar. The first 8 weeks are allocated to conduct lectures and practical's followed by the first IAT and 2nd IAT in the 15th week. The 20th week is considered the term-end week.

The academic year 2021-22 – odd semester was conducted in online mode due to Covid 19 situation. All the tests and End semester examinations were conducted in online mode. The examination committee members made sure that no malpractice happened during the online examination by ensuring strict proctoring using webcams and recorded Google meet sessions. Examinations were conducted using Google forms. Additional time of 15min was given for uploading the answer books. Even semester situations permit us to conduct all kinds of examinations including internal test and ESE. The even semester was conducted in an offline 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 **A. All of the above**

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

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)

7

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

951

1.2.3.1 - Number of students enrolled in subject related Certificate or Add-on programs during the year

951

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

UCoE promotes gender equality in admissions, recruitment, administrative functionality, student association's nominations and extra-curricular activities.

The Institute celebrated Engineer's Day on 15th September 2021 to mark the birth anniversary of Sir Mokshagundam Visvesvaraya by organizing a technical fest, showcasing project models developed by the students.

'Protect-your-Mom' session was conducted on12/12/2021 by Rotract club of UCOE to educate people about the symptoms and the treatment process for breast cancer.

The NSS Unit of UCoE adopted a school in Nagle village. Students went there for a month, from 1 /3/2022–1/4/2022 every Monday and Friday, for 4 hours. School students were taught according to the

syllabus decided by the Unit.

Blood Donation Camp was arranged on 09/05/22, reaching a count of 70 persons, who donated around "450"ml of the blood each.

World Environment Day event, on 5th June 2022 celebrated in online mode, focussed on the importance and safeguarding the environment, followed by a quiz competition.

Yoga Day was celebrated on 21/6/2022 . All the participants were advised to practice Yoga daily.

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

60

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

1200

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

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)	**No File Uploaded**
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

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

692

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 institutional assessment is based on a comprehensive framework that considers students at different learning levels, distinguishes between slow learners and advanced learners, and enables education to be delivered on a broader scale.

1. **Test and Tutorials to differentiate slow learners and advanced learners so that training can be carried out on a wider scale.**

2. **Communication sessions are conducted so that students strengthen their English communication.**

3. **Workshops are conducted so that students can get theoretical and practical knowledge about the manufacturing environment.**

4. **To improve the learning level for slow learners, remedial coaching, special recapitulation lectures, and counseling sessions are conducted.**

5. **The college arranges teachers as mentors for a group of students.**

6. **Special programs based on advanced research and practical applications of the subjects are organized for advanced learners, to encourage them to explore beyond the curriculum.**

7. **Advanced learners are encouraged to participate in Inter collegiate competitions and participate in conferences by presenting research papers.**

8. **Using the hybrid mode of teaching, the students were given the opportunity to study through Coursera, ICT Academy, Oracle Academy, Cisco Networking Academy and Palo Alto.**

9. **The institute held a Student Induction Programme for newly admitted students.**

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
1444	**84**

File Description	Documents
Any additional information	[View File](#)

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 Certification educational platforms like Coursera, ICT Academy, Oracle Academy, Cisco Networking Academy and Palo Alto.

Students were encouraged to participate in techno events organized by the college such as Tantrotsav and Vyro to enhance their experiential and participative learning.

Students also strengthened their decision making, strategic thinking and time management skills by organizing events like Jr. Vyro and Jr. Tantrotsav for students of other colleges.

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).

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.

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

Our college has adequate infrastructure and physical facilities for teaching-learning. We have 9683 square meters of instructional area. We have 21 classrooms and one seminar hall with each classroom having an area of 66.12 square meters and a seminar hall of 132.96 square 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 4 tutorial rooms with each room having an area of 34.19 square meters. We have one Engineering workshop of 200 square meters and an engineering drawing hall of 132 square meters dedicated to first year students. Universal College of Engineering has one physics and one chemistry laboratory and two communication laboratories .We have 10 labs dedicated to civil Engineering, 7 labs for Electronics and electronics and telecommunication engineering, 9 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 systems(360 laptops + 60 desktops) 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
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	View File
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

6

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

414

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 calendar which involves all dates, term work, oral and practical examination wherever applicable.

- UCOE presents a well-defined paper format including MCQs and descriptive questions followed by 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 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

- **The faculties and students of Universal College of Engineering(UCoE) are made aware of the Internal Assessment process and its schedule through academic calendar which involves all dates, term work, oral and practical examination wherever applicable.**

- **UCOE presents a well-defined paper format including MCQs and descriptive questions followed by 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 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**

2.6 - 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.

Program outcome, program specific outcomes, and course outcomes has been clearly stated by the college. On the very first day of

the curriculum, CO and PO of each subject are communicated to students by the respective faculty members. COs are discussed in detail with students long with subject introduction and syllabus discussion. Even though the COs are available along with the syllabus, the subject teacher can modify and reframe the COs. This is done with an aim to provide students with an idea about the subject depth, difficult topics, practical aspects, application, etc. in the respective semester.

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

Department wise PSOs and POs are displayed on big banners and those banners are kept on respective floors. Along with 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	https://universalcollegeofengineering.edu.in/courses-admissions/civil-engineering/objective-outcome/
Upload COs for all courses (exemplars from Glossary)	[View File](#)

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

As per the curriculum received from university it will be differentiated into various modules and Co's and also PO attainment is verified with direct and indirect assessment method. Our Institute has offered different programs and also developed PEO's, PO's and CO's for the respective programs.

Mapping of each CO of the course is done with PO for the particular program with the three levels as Low, Medium and High Levels. Faculty members have maintained a course file for the respective course with all the information in it which ensures the achievement of all CO's. CO PO attainment values are calculated

with the 'Average Method'. The internal assessment tests are evaluated to map CO's for the particular course based on the questions asked in it. Out of two assessment tests, 50% syllabus covered till Internal Assessment Test-1 and the remaining syllabus covered before Internal Assessment Test-2. A brief questionnaire is prepared with the help of Course Exit Survey form in which each CO is mapped for the respective Course. All this data is used to calculate CO attainment.

The final attainment calculations are based on direct and indirect methods which have 70% and 30% weightages respectively. The total attainment values calculated as per CO and PO mapping and maintained by each of the faculties for suggestions in the course.

The above survey helps to acknowledge the attainment of graduate attributes for the program.

File Description	Documents
Upload any additional information	View File
Paste link for Additional information	https://universalcollegeofengineering.edu.in/courses-admissions/it/objective-outcome/

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

398

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	No File Uploaded
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/iqac/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)

0.75

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

2

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	**Nil**

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

50

File Description	Documents
Report of the event	View File
Any additional information	**No File Uploaded**
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

43

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

5

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

The NSS Unit of UCoE adopted a school in Nagle village under the 'Nagale Panchayat'. Students went there for a month, every Monday and Friday, for 4 hours. School students were taught according to the syllabus decided by the Unit.

Residential camp was arranged where people were taught how to use Digi-Locker, Mahavitaran App and Ola/Uber Apps. A session was conducted in the school which taught the children various good habits they must include in their lives in order to lead a happy and healthy life.

The Volunteers of the NSS Unit of Universal College of Engineering took the 'No drugs pledge'. The pledge was intended to motivate everyone to realize their responsibilities to fight against tobacco, and drugs and to promote awareness campaigns and rallies in villages and drug-prone areas of the city.

Organ Donation Training session was organized which addressed important topics such as donor detection, donation, multi-organ transplantation, patient monitoring, tissue donation.

Blood Donation Camp was arranged on 22 September 2021. The students and faculties actively participated in the drive, reaching a count of 70 persons.

Tree plantation activity was taken up by the NSS unit of the Institute. Trees were planted on the divider area of the Kaman-Bhiwandi highway covering the Institute premises.

All these mentioned activities have a positive impact on the students and it developed student community relationship, leadership skill and self confidence of students.

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

5

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

87

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

4436

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

100

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

9

File Description	Documents
e-Copies of the MoUs with institution./ industry/corporate houses	View File
Any additional information	View File
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 rooms (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/1RTCC8ZjdaIT3Cjw5XrF20aPVx2jmTX-n?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	**No File Uploaded**
Paste link for additional information	https://universalcollegeofengineering.edu.in/
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)

7.25

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 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 report, 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 normal days where as on 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 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/drive/folders/16LEGFmxhdl-aM4790mHXkt6rX4R9sJ1p?usp=sharing

4.2.2 - The institution has subscription for the **B. Any 3 of the above**

following e-resources e-journals e-ShodhSindhu Shodhganga Membership e-books Databases Remote access toe-resources

File Description	Documents
Upload any additional information	**No File Uploaded**
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)

2.95

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

487

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 college updated its Wi-Fi (dedicated leased line) capability to 32 Mbps which has been updated to 100 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)

97.78

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

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 books required to the principal who send in turn send 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	<u>View File</u>
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

692

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

20

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	**Nil**
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

373

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

373

File Description	Documents
Any additional information	[View File](#)
Number of students benefited 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

134

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

27

File Description	Documents
Upload supporting data for student/alumni	*View File*
Any additional information	*View File*
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

21

File Description	Documents
Upload supporting data for the same	<u>View File</u>
Any additional information	<u>View File</u>

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.

4

File Description	Documents
e-copies of award letters and certificates	<u>View File</u>
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)	<u>View File</u>

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 and to inspire them to develop their skills for their professional growth.

In the Institute, the Student Council also participates in various activities to bring forward the opinions of the students. Most of the students are selected on the basis of their overall academic performance along with extracurricular activities. They also carry

projects related to community development & social work and the General Secretary is the member of IQAC.

The Student Council is continuously active during Engineer's Day Celebration, Teacher's Day Celebrations, AURORA (Sports and Cultural) and VYRO. Students wholeheartedly participate to make these events lively and enthusiastic for all the participants. Besides VYRO these mega-events are considered, planned, and organized by the Student Council with the supervision of the Alumni and Faculty members. Students try to make this event exuberant and energetic for all those who come from various Branches of the Institute.

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

9

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 "UCOE ALUMNI ASSOCIATION" having an Indian Bank account: CA-6655926067.

UCoE has a strong Alumni network which is spread across many countries. For instance, Mr. Riddesh Joshi, a former student and an Alumnus of UCoE from Sydney gave a presentation on 'Ideology and the Fundamentals of Geo-Synthesis', Mr. Bhavya Goradia had conducted a Webinar on Data Analytics, Mr. Gaurav Gurav had conducted a session on 'Proficient method to plan for TCS situation'.'.

Various laurels have been achieved by our alumni such as, Ms. Netra Mhatre from Civil department had cleared MPSC examination and was also selected in WRE (Water Resource Engineering) Department, whereas Mr. Archit Manapetty, Bharat Purohit and Sangam Singh have been shortlisted for SSC SSB and Military services.

Experience Sharing:

During the Alumni meet, the graduated students shared the different challenges encountered by them. These experiences shared by the alumni are a significant wellspring of data 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	**Nil**
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

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 All India Council of Technical Education (AICTE) and Directorate of Technical Education (DTE), the regulatory authorities responsible for licensing colleges in India, provide the rules for the formation of the Institute's Governing Council (GC). The main responsibility of the GC is to make sure that all of the stakeholders, including students, faculty members, institutional management, and members of the general public, have complete faith and confidence in our institution and that everyone who has governance responsibilities and accountabilities, both inside and outside Institutions, fulfills these in an efficient manner.

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 on 15th september 2021 to encourage and mentor students to showcase their technical skills at various intra-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 (Technical presentation, Technical Tambola, Best out waste) which were open for all the departments. All students actively participated in the respective events. Students from various departments spectated,joined ,competed and showcased their technical knowledge.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,AIML,IT,DE), Puzzle Hero,Code Snippet,Quick fix demons (EXTC,ETRX) Technical Tambola,Technical Presentation,Best out of waste(CIVIL). Non-teaching faculties supported generation of broadcast links on Youtube.

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

UCOE ensures strong Institute-Industry interactions to improve placement of the students. Students were provided internships with a view that they get close exposure to industry environment which will increase their prospects for placements. The whole process was organized and deployed in such a way that the various student organizations of the Institute participated in making it successful, keeping in mind the trends, requirements of the industries in order to make students employable and readily absorbable aspirants for the industries.

The Department of Information Technology in collaboration with Brain-o-vision Solutions India Pvt. Ltd,National Youth Council of India ,ITSA and IQAC initiated industry institute interaction. It was coordinated by Mr. Akshay Agarwal and Mr. Allan Lopes. The main aim of this workshop was to bridge the gap between Industry and curriculum. Dr. Datachana Murthy, National Executive President, National Youth Council of India and Mr. Ganesh Nag

Doddi, CEO of Brain-o-vision Solutions India Pvt. Ltd. addressed the workshop. Students learnt various technical topics such as HTML, CSS and JavaScript, React JS, React Components, FLUX, React Server Integration and Development, ECMA Script

File Description	Documents
Strategic Plan and deployment documents on the website	View File
Paste link for additional information	Nil
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 organisational 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 organised 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	View File
Screen shots of user interfaces	View File
Any additional information	View File
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. **Facilitation of Academic Activities: Teaching and non-teaching faculties are provided with Institute Laptops from ICTC.**

2. **Consideration of Faculty Health during Pandemic:**

   1. **Faculties were allowed to work from home and had to**

report to college twice a week.

2. Faculties were given leave if the employee tested positive.

3. The Institute granted a Special 1 day Vaccination leave for all the employees.

3. Promotion of Faculty's self-development:

1. Faculties are either sponsored and/or given on-duty leaves and study leaves for attending conferences, workshops, research paper publication, PhD work.

2. Teaching and Non-teaching can avail self learning portal like Coursera, Edx, ICT academy.

4. Conducive work environment: The Institute has a well-designed infrastructure featuring hygienic washrooms, Fire Safety Compliance, daily tea.

5. Recognition on Achievement: Faculties are rewarded by a 25K cash prize after completion of PhD.

6. Financial Security: Teaching and non-teaching staff are provided the Provident fund facility.

7. Health Care: The College has a tie-up with (Dr.Sandip Aochar) and a sick room is available on campus.

8. Other facilities:

1. Wards of the faculty members studying in sister Institutes are given fee concessions.

2. Paternal leave including maternity leave and paternity leave are given.

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

19

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

43

File Description	Documents
Reports of the Human Resource Development Centres (UGCASC or other relevant centres).	No File Uploaded
Reports of Academic Staff College or similar centers	No File Uploaded
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

59

File Description	Documents
IQAC report summary	**No File Uploaded**
Reports of the Human Resource Development Centres (UGCASC or other relevant centers)	**No File Uploaded**
Upload any additional information	<u>View File</u>
Details of teachers attending professional development programmes during the year (Data Template)	<u>View File</u>

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

The institute uses a fair performance-based evaluation methodology. The primary goal of the performance-based appraisal system is to maximize staff efficiency and potential. Employees fill out a self-appraisal form at the end of each academic year that lists their accomplishments for that specific period of time. Employees have access to digital versions of the self-appraisal form through the Institute. Regarding their department's teaching and non-teaching staff, the respective HODs provide comments that goes toward the appraisal. Throughout the academic year, the employee's attendance record is also examined for consistency. The principal and other higher authorities' observations of the general conduct of all the employees serve as additional input for the appraisal process.At the conclusion of the academic year, the Principal and Director of the Institute conduct department-specific appraisal interviews in front of HR employees. The Panel encourages faculty members to advance their academic credentials and take on new duties in order to support the department's overall growth. The final appraisal is conducted using these inputs.

File Description	Documents
Paste link for additional information	**Nil**
Upload any additional information	<u>View File</u>

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 Institute's accounts department manages itsfinance and accounts. It is closely adhered to, and Tally accounting software is used to keep track of every financial transaction. For the financial audit, management chooses a third party certified Chartered Accountant. The government frequently audits the scholarships and freeships given to students in the reserved category. Every department is subject to the internal audit. Reports on audits are reviewed and approved by the College Development Committee (CDC) and the Governing Council (GC). Minor audit queries are improved with the goal of improving quality. All financial records are handled and kept up to date as per the standards needed by the institute's licensed accountant. The Account section conducts the internal audit, which is then completed by a 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)

2.96975

File Description	Documents
Annual statements of accounts	**No File Uploaded**
Any additional information	View File
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

Since the institution is permanently unaided and offers professional education, the fees are decided based on the costs incurred by the management and the institution to meet the requirements set by the AICTE, DTE, University of Mumbai, and Government of Maharashtra for its academics and related activities. The Management supplies the appropriate money in the event of any deficiency. Any capital or maintenance costs are also taken care of. Tuition fees, development fees, and the Vidya Vikas Education Trust are the main sources of funding. Industry connections fund technical events. The Central Purchase team makes purchases in accordance with the college's demand.The institution's budget is created based on academics and associated activities, ideas from the IQAC and HoDs, committee chairpersons, etc., in order to make the best use of the available funds. The College Development Committee and later the Institution's GC both approve the same. Every quarter, the College Development Committee reviews the income and expenses for the previous year. To make the best use of the physical infrastructure, events like techfest, conferences, parent-teacher conferences, orientation programs, convocation ceremonies, and farewell parties are held during regular college hours without interfering with academics.

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 smooth functioning of online teaching learning by providing free high-speed internet connection, laptops etc. Students were allotted personal universal id for attending lectures and appearing for exams. The lectures were taken through the Google classroom portal and the lecturers used interactive presentations, polling and quiz sessions for

effective teaching.

? Industry oriented training – With the view to update students with the industrial innovations and to bridge the gap between industrial demands and academia, all departments organise webinars by industrial experts. Following are the actions taken by the different departments of the institute:

1. The Civil Engineering Department introduced a short term training program in collaboration with IEI Belapur chapter.

2. The Department of Computer and IT engineering, encouraged students to complete courses on self-developing portals like Oracle academy, EdX, and Cisco Palo alto and supported them to complete them successfully.

? Syllabus revision and paper setting– The UCoE faculty members participated in the development of the new curriculum. They put forth valuable suggestions in syllabus revision, subject orientation and paper setting.

? Alumni involvement in quality improvement– The Institute invites the Alumni to extend their contribution to their Alma mater. The Alumni have provided their support by conducting webinars on various technical subjects and shared their industry expertise with the students.

? Promoting co-curricular activities– The institute supports and encourages students participation in NSS, Rotaract club and various student chapters of UCoE departments.. They conduct activities in the field of social welfare ,green initiatives & nationalism.

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

Internal Quality Assurance Cell, or IQAC, monitors faculty lectures and makes insightful recommendations for ongoing development. The IQAC creates a well-structured plan that includes regular classroom observations and assessments in order to ensure effective lecture monitoring. These evaluations are carried out by the Head of Department who pay attention to a variety of factors, including teaching strategies, material delivery, student involvement, and the usage of cutting-edge teaching resources.

The IQAC meets with the faculty members for constructive input after the lecture monitoring procedure. Specific areas of strength and improvement are covered during these sessions in a cooperative and helpful way. Each faculty member's specific needs are taken into account while making improvisational ideas, which motivates them to improve their instructional strategies and foster a more productive learning environment.

The IQAC also organises training sessions and workshops for professional development based on the areas that need to be improved, giving faculty members the chance to learn new information, implement cutting-edge teaching techniques, and create fresh perspectives.

This iterative process of monitoring, feedback, and development ensures that the faculty continually refines their teaching skills, promoting academic excellence and overall improvement in the quality of education at the institution.

File Description	Documents
Paste link for additional information	Nil
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	**No File Uploaded**
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, biometric free check-in 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. 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

1. 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. The waste is segregated before it is given out of the campus. Waste from the canteen is deposited in the compost pit on a regular basis.

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

3. Waste-Recycle: All the notices and announcements are published in electronic mode floor- wise on LCD screen. 'ProCampuz' cloud based ERP is used by the Administration for students' enrollment, and further academics. The Examination Cell uses VIVA software to store & retrieve data for applications like hall tickets, form filling and database management etc. Reuse and Recycling of stationery for printing, disposing of shredded papers to paper vendors are some steps which have been practiced.

4. All academic and intra-collegiate activities are performed ensuring minimum carbon emissions by motivating students and staff to use public transport.

All chemical waste from the Chemistry laboratory is 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: **A. Any 4 or All of the above**

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**

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   **C. Any 2 of the above**

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

File Description	Documents
Reports on environment and energy audits submitted by the auditing agency	[View File](#)
Certification by the auditing agency	[View File](#)
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
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**

A. Any 4 or all of the above

File Description	Documents
Geo tagged photographs / videos of the facilities	[View File](#)
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 ensuring cultural and regional inclusion.

The National Service Scheme (NSS) committee of UCOE conducted a 7-day residential camp in March 2022. The NSS volunteers conducted various activities like cleanliness drives, Smart Digital India Campaign (the residents were taught how to use Digi-Locker, Mahavitaran App and Ola/Uber Apps), sessions on "Spreading Awareness about Reading Books", Yoga, "Good touch bad touch" at the village school, and "Importance of Education". A survey was conducted that checked whether every house in the village had a bathroom, a septic tank and a soak pit. Households were educated regarding the importance of bathrooms, septic tanks and hygiene in general.

The college also permits staff of the Muslim community to visit the nearby shrines and perform prayers every Friday.

Other activities like International Yoga Day Celebration, Student Induction Programme are conducted by the college to instill a sense of inclusiveness in the students.

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 are 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 allow the students to express their patriotism through various events conducted on these days. Students are involved in webinars towards social responsibilities through the programmes like Road potholes Issue – News, Vaccination Drive, Rajodi Beach Cleanup, Dana Pani Beach Cleanup, Mega Blood Donation Camp, Book Donation Campaign, Community Mohotsav – Donate for a cause, Residential Camp, Nagle Village like activities. Activity like Handmade Poster (Independence Day) made students aware about Indian History and culture which shall be helpful for youth empowerment.

File Description	Documents
Details of activities that inculcate values; necessary to render students in to responsible citizens	[View File](#)
Any other relevant information	No File Uploaded

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	[View File](#)
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

National/International commemoration days are frequently celebrated and recognized in Universal College of Engineering to preserve unity and create a healthy work environment, as well as to make learners aware of their national pride and rich cultural heritage.

Guru Purnima was celebrated on June 23,2021 to honor gurus and remember the value of instructors in students' lives. Independence Day was observed on August 15, 2021, to foster a sense of patriotism among students and staff. On August 31,2021, Shree Krishna Janmashtami was observed to unite devotion, creativity and happiness. On September 4, 2021, Teachers Day was observed in remembrance of Dr. Sarvepalli Radha Krishnan's birthday by honoring notable figures in the area of education. To find out what kind of photographic skills our students possess, the Ganpati Photography Contest was held from September 10 through September 17, 2021. On October 14, 2021, Dussehra Puja was held to worship instruments of the Institution. On November 14 ,2021, Bachpan ke Din was observed in honor of Children's Day to cheer up kids and make them feel special. On April 13, 2022, Cultural Day Celebration was held with the goals of promoting unity and educating the public about local customs. On June 14,2022, married ladies celebrated Vat Purnima to ensure the welfare of their families. On 04/06/2022, Yoga Program was celebrated with the intention of establishing a connection with the higher self and integrating all facets of life in order to live in harmony.

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: "Unifying the World: The Power of Technical Events"

This practice aims to provide students with exposure to competition and encourage innovative thinking. It offers a platform for students to apply theoretical knowledge to solve practical technical problems and prepares them for the corporate world. The practice emphasizes independent learning with expert guidance. The context highlights the emphasis on practical skills, utilizing campus infrastructure and workshops. Tantrotsav, a day-long technical festival, and Hackstomp, a 24-hour hackathon, are key events that promote problem-solving and collaboration. Tantrotsav had a virtual edition in September 2021 with successful participation, while Hackstomp focused on innovation for India in March-April 2022. Evidence of success includes teams winning prestigious hackathons and receiving awards.

Best Practice 2: Academia-Industrial Collaboration

This practice focuses on creating career opportunities for students through collaborations with reputed organizations. Regular interactions with industries are conducted, including career guidance workshops and preparatory sessions. These initiatives have led to record-breaking placements and increased linkages with industrial personnel. Challenges were faced in meeting industry expectations due to low configuration systems for hands-on training.

Overall, these best practices focus on providing practical exposure, fostering innovation, and bridging the gap between academia and industry.

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. **Covid Pandemic Scholarship: The College during Covid-19 pandemic in 2021-2022, 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.**

2. **MHT CET Crash Course: As an initiative by IQAC, an online Crash Course of MHT-CET for all the Engineering aspirants was organized in association with the Department of Applied Science and Humanities completely free of cost. The objective was to enlighten all aspirants about the nature of examination and the useful tricks for accurate answers and time management during the actual examination.**

The Course was scheduled between 9th to13th August 2021.

The evaluation was based on the updated pattern to be followed in MHT-CET 2021. Syllabus for the subjects of Physics, Chemistry & Mathematics was covered under the course. All the participants were awarded with E- Certificate for attending the same.

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

Institution has the mechanism for well-planned curriculum delivery and documentation.

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

• To prepare an academic calendar at Institute level in consonance with the academic calendar of the University.

• To prepare Master & Class timetables that are verified by HOD's of the respective departments.

• To prepare the Lesson plan, Course Files, Laboratory Manuals, maintenance of lab equipment, installation of Software (if required).

• Induction program is conducted for first year students before starting their curriculum in order to make them feel comfortable and to help them to set the daily routines.

• To organize expert lectures to bridge the gap between academics & Industry.

• To evaluate student performance based on Tutorials, IAT and Presentations.

• To conduct mentoring sessions and parents meet for overview of student's performance.

• To conduct ESE and assessments as per university norms and prepare result analysis to determine the achievement of CO.

• To motivate students to undergo an internship program.

• During pandemic lectures were conducted in online mode for

odd semesters and for even semester Hybrid mode was used.

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)

Universal College of Engineering, an institute affiliated with the University of Mumbai (UoM) prepares its academic calendar in adherence to the calendar of UoM. The Academic Calendar of UoM University declares dates at the beginning of the semester for IAT's, practical/ oral exams, ESE, and a list of public holidays. All the HOD's, event/activity coordinators prepare their line of action for inter-departmental activities based on the academic calendar. The first 8 weeks are allocated to conduct lectures and practical's followed by the first IAT and 2nd IAT in the 15th week. The 20th week is considered the term-end week.

The academic year 2021-22 – odd semester was conducted in online mode due to Covid 19 situation. All the tests and End semester examinations were conducted in online mode. The examination committee members made sure that no malpractice happened during the online examination by ensuring strict proctoring using webcams and recorded Google meet sessions. Examinations were conducted using Google forms. Additional time of 15min was given for uploading the answer books. Even semester situations permit us to conduct all kinds of examinations including internal test and ESE. The even semester was conducted in an offline 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**

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)

7

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

951

1.2.3.1 - Number of students enrolled in subject related Certificate or Add-on programs during the year

951

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

UCoE promotes gender equality in admissions, recruitment, administrative functionality, student association's nominations and extra-curricular activities.

The Institute celebrated Engineer's Day on 15th September 2021 to mark the birth anniversary of Sir Mokshagundam Visvesvaraya by organizing a technical fest, showcasing project models developed by the students.

'Protect-your-Mom' session was conducted on12/12/2021 by

Rotract club of UCOE to educate people about the symptoms and the treatment process for breast cancer.

The NSS Unit of UCoE adopted a school in Nagle village. Students went there for a month, from 1 /3/2022-1/4/2022 every Monday and Friday, for 4 hours. School students were taught according to the syllabus decided by the Unit.

Blood Donation Camp was arranged on 09/05/22, reaching a count of 70 persons, who donated around "450"ml of the blood each.

World Environment Day event, on 5th June 2022 celebrated in online mode, focussed on the importance and safeguarding the environment, followed by a quiz competition.

Yoga Day was celebrated on 21/6/2022 . All the participants were advised to practice Yoga daily.

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

60

File Description	Documents
Any additional information	**No File Uploaded**
Programme / Curriculum/ Syllabus of the courses	<u>View File</u>
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)	<u>View File</u>

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

1200

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

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**

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)	**No File Uploaded**
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**

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

692

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 institutional assessment is based on a comprehensive framework that considers students at different learning levels, distinguishes between slow learners and advanced learners, and enables education to be delivered on a broader scale.

1. **Test and Tutorials to differentiate slow learners and advanced learners so that training can be carried out on a wider scale.**

2. **Communication sessions are conducted so that students strengthen their English communication.**

3. **Workshops are conducted so that students can get theoretical and practical knowledge about the manufacturing environment.**

4. **To improve the learning level for slow learners, remedial coaching, special recapitulation lectures, and counseling sessions are conducted.**

5. **The college arranges teachers as mentors for a group of students.**

6. **Special programs based on advanced research and practical applications of the subjects are organized for advanced learners, to encourage them to explore beyond the curriculum.**

7. **Advanced learners are encouraged to participate in Inter collegiate competitions and participate in conferences by presenting research papers.**

8. **Using the hybrid mode of teaching, the students were given the opportunity to study through Coursera, ICT**

Academy, Oracle Academy, Cisco Networking Academy and Palo Alto.

9. The institute held a Student Induction Programme for newly admitted students.

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
1444	**84**

File Description	Documents
Any additional information	[View File](#)

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 Certification educational platforms like Coursera, ICT Academy, Oracle Academy, Cisco Networking Academy and Palo Alto.

Students were encouraged to participate in techno events organized by the college such as Tantrotsav and Vyro to enhance their experiential and participative learning.

Students also strengthened their decision making, strategic thinking and time management skills by organizing events like Jr. Vyro and Jr. Tantrotsav for students of other colleges.

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).

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.

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

Our college has adequate infrastructure and physical facilities for teaching-learning. We have 9683 square meters of instructional area. We have 21 classrooms and one seminar hall with each classroom having an area of 66.12 square meters and a seminar hall of 132.96 square 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 4 tutorial rooms with each room having an area of 34.19 square meters. We have one Engineering workshop of 200 square meters and an engineering drawing hall of 132 square meters dedicated to first year students. Universal College of Engineering has one physics and one chemistry laboratory and two communication laboratories .We have 10 labs dedicated to civil Engineering, 7 labs for Electronics and electronics and telecommunication engineering, 9 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 systems(360 laptops + 60 desktops) 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](#)
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	[View File](#)
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

6

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

414

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 calendar which involves all dates, term work, oral and practical examination wherever applicable.**

- **UCOE presents a well-defined paper format including MCQs and descriptive questions followed by 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 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

- **The faculties and students of Universal College of Engineering(UCoE) are made aware of the Internal Assessment process and its schedule through academic calendar which involves all dates, term work, oral and practical examination wherever applicable.**

- **UCOE presents a well-defined paper format including MCQs and descriptive questions followed by 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 laboratory.**

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- **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**

2.6 - 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.

Program outcome, program specific outcomes, and course outcomes has been clearly stated by the college. On the very first day of the curriculum, CO and PO of each subject are communicated to students by the respective faculty members. COs are discussed in detail with students long with subject introduction and syllabus discussion. Even though the COs are available along with the syllabus, the subject teacher can modify and reframe the COs. This is done with an aim to provide students with an idea about the subject depth, difficult topics, practical aspects, application, etc. in the respective semester.

CO's and PO's are maintained in academic diary, lesson plan and course file of individual faculty. COs of each and every

subject are displayed on the website, lab manual, course file, departmental laboratories for easy access. Faculty as well as students can easily access this information through the college website. In all the interactions like parent teacher meeting or mentor mentee discussion the awareness on POs, PSOs and COs is deliberately promoted.

Department wise PSOs and POs are displayed on big banners and those banners are kept on respective floors. Along with 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	https://universalcollegeofengineering.edu.in/courses-admissions/civil-engineering/objective-outcome/
Upload COs for all courses (exemplars from Glossary)	[View File](#)

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

As per the curriculum received from university it will be differentiated into various modules and Co's and also PO attainment is verified with direct and indirect assessment method. Our Institute has offered different programs and also developed PEO's, PO's and CO's for the respective programs.

Mapping of each CO of the course is done with PO for the particular program with the three levels as Low, Medium and High Levels. Faculty members have maintained a course file for the respective course with all the information in it which ensures the achievement of all CO's. CO PO attainment values are calculated with the 'Average Method'. The internal assessment tests are evaluated to map CO's for the particular course based on the questions asked in it. Out of two assessment tests, 50% syllabus covered till Internal Assessment Test-1 and the remaining syllabus covered before Internal Assessment Test-2. A brief questionnaire is prepared with the help of Course Exit Survey form in which each CO is mapped for the respective Course. All this data is used to calculate CO attainment.

The final attainment calculations are based on direct and indirect methods which have 70% and 30% weightages respectively. The total attainment values calculated as per CO and PO mapping and maintained by each of the faculties for suggestions in the course.

The above survey helps to acknowledge the attainment of graduate attributes for the program.

File Description	Documents
Upload any additional information	[View File](#)
Paste link for Additional information	https://universalcollegeofengineering.edu.in/courses-admissions/it/objective-outcome/

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

398

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	**No File Uploaded**
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/iqac/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-govermnental agencies for research projects / endowments in the institution during the year (INR in Lakhs)

0.75

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

2

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	**Nil**

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

50

File Description	Documents
Report of the event	View File
Any additional information	**No File Uploaded**
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

43

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

5

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

The NSS Unit of UCoE adopted a school in Nagle village under the 'Nagale Panchayat'. Students went there for a month, every

Monday and Friday, for 4 hours. School students were taught according to the syllabus decided by the Unit.

Residential camp was arranged where people were taught how to use Digi-Locker, Mahavitaran App and Ola/Uber Apps. A session was conducted in the school which taught the children various good habits they must include in their lives in order to lead a happy and healthy life.

The Volunteers of the NSS Unit of Universal College of Engineering took the 'No drugs pledge'. The pledge was intended to motivate everyone to realize their responsibilities to fight against tobacco, and drugs and to promote awareness campaigns and rallies in villages and drug-prone areas of the city.

Organ Donation Training session was organized which addressed important topics such as donor detection, donation, multi-organ transplantation, patient monitoring, tissue donation.

Blood Donation Camp was arranged on 22 September 2021. The students and faculties actively participated in the drive, reaching a count of 70 persons.

Tree plantation activity was taken up by the NSS unit of the Institute. Trees were planted on the divider area of the Kaman-Bhiwandi highway covering the Institute premises.

All these mentioned activities have a positive impact on the students and it developed student community relationship, leadership skill and self confidence of students.

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

5

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

87

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

4436

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

100

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

9

File Description	Documents
e-Copies of the MoUs with institution./ industry/corporate houses	View File
Any additional information	View File
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 rooms (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/1RTCC8ZjdaIT3Cjw5XrF20aPVx2jmTX-n?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	**No File Uploaded**
Paste link for additional information	https://universalcollegeofengineering.edu.in/
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)

7.25

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 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 report, 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 normal days where as on 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 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/drive/folders/16LEGFmxhdl-aM4790mHXkt6rX4R9sJ1p?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

File Description	Documents
Upload any additional information	No File Uploaded
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)

2.95

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

487

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 college updated its Wi-Fi (dedicated leased line) capability to 32 Mbps which has been updated to 100 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)

97.78

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 books required to the principal who send in turn send 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

692

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

20

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	**Nil**
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

373

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

373

File Description	Documents
Any additional information	View File
Number of students benefited 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

134

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

27

File Description	Documents
Upload supporting data for student/alumni	View File
Any additional information	View File
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

21

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.

4

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 uni versity/state/national/internatio nal 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 and to inspire them to develop their skills for their professional growth.

In the Institute, the Student Council also participates in various activities to bring forward the opinions of the students. Most of the students are selected on the basis of their overall academic performance along with extracurricular

activities. They also carry projects related to community development & social work and the General Secretary is the member of IQAC.

The Student Council is continuously active during Engineer's Day Celebration, Teacher's Day Celebrations, AURORA (Sports and Cultural) and VYRO. Students wholeheartedly participate to make these events lively and enthusiastic for all the participants. Besides VYRO these mega-events are considered, planned, and organized by the Student Council with the supervision of the Alumni and Faculty members. Students try to make this event exuberant and energetic for all those who come from various Branches of the Institute.

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

9

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 "UCOE ALUMNI ASSOCIATION" having an Indian Bank account: CA-6655926067.

UCoE has a strong Alumni network which is spread across many countries. For instance, Mr. Riddesh Joshi, a former student and an Alumnus of UCoE from Sydney gave a presentation on 'Ideology and the Fundamentals of Geo-Synthesis', Mr. Bhavya Goradia had conducted a Webinar on Data Analytics, Mr. Gaurav Gurav had conducted a session on 'Proficient method to plan for TCS situation'.'.

Various laurels have been achieved by our alumni such as, Ms. Netra Mhatre from Civil department had cleared MPSC examination and was also selected in WRE (Water Resource Engineering) Department, whereas Mr. Archit Manapetty, Bharat Purohit and Sangam Singh have been shortlisted for SSC SSB and Military services.

Experience Sharing:

During the Alumni meet, the graduated students shared the different challenges encountered by them. These experiences shared by the alumni are a significant wellspring of data 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	Nil
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

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 All India Council of Technical Education (AICTE) and Directorate of Technical Education (DTE), the regulatory authorities responsible for licensing colleges in India, provide the rules for the formation of the Institute's Governing Council (GC). The main responsibility of the GC is to make sure that all of the stakeholders, including students, faculty members, institutional management, and members of the general public, have complete faith and confidence in our institution and that everyone who has governance responsibilities and accountabilities, both inside and outside Institutions, fulfills these in an efficient manner.

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 on 15th september 2021 to encourage and mentor students to showcase their technical skills at various intra-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 (Technical presentation, Technical Tambola, Best out waste) which were open for all the departments. All students actively participated in the respective events. Students from various departments spectated,joined ,competed and showcased their technical knowledge.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,AIML,IT,DE), Puzzle Hero,Code Snippet,Quick fix demons (EXTC,ETRX) Technical Tambola,Technical Presentation,Best out of waste(CIVIL). Non-teaching faculties supported generation of broadcast links on Youtube.

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

UCOE ensures strong Institute-Industry interactions to improve placement of the students. Students were provided internships with a view that they get close exposure to industry environment which will increase their prospects for placements. The whole process was organized and deployed in such a way that the various student organizations of the Institute participated in making it successful, keeping in mind the trends,

requirements of the industries in order to make students employable and readily absorbable aspirants for the industries.

The Department of Information Technology in collaboration with Brain-o-vision Solutions India Pvt. Ltd,National Youth Council of India ,ITSA and IQAC initiated industry institute interaction. It was coordinated by Mr. Akshay Agarwal and Mr. Allan Lopes. The main aim of this workshop was to bridge the gap between Industry and curriculum. Dr. Datachana Murthy, National Executive President, National Youth Council of India and Mr. Ganesh Nag Doddi, CEO of Brain-o-vision Solutions India Pvt. Ltd. addressed the workshop. Students learnt various technical topics such as HTML, CSS and JavaScript, React JS, React Components, FLUX, React Server Integration and Development, ECMA Script

File Description	Documents
Strategic Plan and deployment documents on the website	[View File](#)
Paste link for additional information	Nil
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 organisational 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 organised 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	View File
Screen shots of user interfaces	View File
Any additional information	View File
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. Facilitation of Academic Activities: Teaching and non-teaching faculties are provided with Institute Laptops from ICTC.

2. Consideration of Faculty Health during Pandemic:

   1. Faculties were allowed to work from home and had to report to college twice a week.

   2. Faculties were given leave if the employee tested positive.

   3. The Institute granted a Special 1 day Vaccination leave for all the employees.

3. Promotion of Faculty's self-development:

   1. Faculties are either sponsored and/or given on-duty leaves and study leaves for attending conferences, workshops, research paper publication, PhD work.

   2. Teaching and Non-teaching can avail self learning portal like Coursera, Edx, ICT academy.

4. Conducive work environment: The Institute has a well-designed infrastructure featuring hygienic washrooms, Fire Safety Compliance, daily tea.

5. Recognition on Achievement: Faculties are rewarded by a 25K cash prize after completion of PhD.

6. Financial Security: Teaching and non-teaching staff are provided the Provident fund facility.

7. Health Care: The College has a tie-up with (Dr.Sandip Aochar) and a sick room is available on campus.

8. Other facilities:

   1. Wards of the faculty members studying in sister Institutes are given fee concessions.

2. **Paternal leave including maternity leave and paternity leave are given.**

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

19

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

43

File Description	Documents
Reports of the Human Resource Development Centres (UGCASC or other relevant centres).	**No File Uploaded**
Reports of Academic Staff College or similar centers	**No File Uploaded**
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

59

File Description	Documents
IQAC report summary	**No File Uploaded**
Reports of the Human Resource Development Centres (UGCASC or other relevant centers)	**No File Uploaded**
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

The institute uses a fair performance-based evaluation methodology. The primary goal of the performance-based appraisal system is to maximize staff efficiency and potential.

Employees fill out a self-appraisal form at the end of each academic year that lists their accomplishments for that specific period of time. Employees have access to digital versions of the self-appraisal form through the Institute. Regarding their department's teaching and non-teaching staff, the respective HODs provide comments that goes toward the appraisal. Throughout the academic year, the employee's attendance record is also examined for consistency. The principal and other higher authorities' observations of the general conduct of all the employees serve as additional input for the appraisal process.At the conclusion of the academic year, the Principal and Director of the Institute conduct department-specific appraisal interviews in front of HR employees. The Panel encourages faculty members to advance their academic credentials and take on new duties in order to support the department's overall growth. The final appraisal is conducted using these inputs.

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 Institute's accounts department manages itsfinance and accounts. It is closely adhered to, and Tally accounting software is used to keep track of every financial transaction. For the financial audit, management chooses a third party certified Chartered Accountant. The government frequently audits the scholarships and freeships given to students in the reserved category. Every department is subject to the internal audit. Reports on audits are reviewed and approved by the College Development Committee (CDC) and the Governing Council (GC). Minor audit queries are improved with the goal of improving quality. All financial records are handled and kept up to date as per the standards needed by the institute's licensed accountant. The Account section conducts the internal audit, which is then completed by a 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)

2.96975

File Description	Documents
Annual statements of accounts	**No File Uploaded**
Any additional information	View File
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

Since the institution is permanently unaided and offers professional education, the fees are decided based on the costs incurred by the management and the institution to meet the requirements set by the AICTE, DTE, University of Mumbai, and Government of Maharashtra for its academics and related activities. The Management supplies the appropriate money in the event of any deficiency. Any capital or maintenance costs are also taken care of. Tuition fees, development fees, and the Vidya Vikas Education Trust are the main sources of funding. Industry connections fund technical events. The Central Purchase team makes purchases in accordance with the college's demand.The institution's budget is created based on academics and associated activities, ideas from the IQAC and HoDs, committee chairpersons, etc., in order to make the best use of the available funds. The College Development Committee and later the Institution's GC both approve the same. Every quarter, the College Development Committee reviews the income

and expenses for the previous year. To make the best use of the physical infrastructure, events like techfest, conferences, parent-teacher conferences, orientation programs, convocation ceremonies, and farewell parties are held during regular college hours without interfering with academics.

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 smooth functioning of online teaching learning by providing free high-speed internet connection, laptops etc. Students were allotted personal universal id for attending lectures and appearing for exams. The lectures were taken through the Google classroom portal and the lecturers used interactive presentations, polling and quiz sessions for effective teaching.

? Industry oriented training – With the view to update students with the industrial innovations and to bridge the gap between industrial demands and academia, all departments organise webinars by industrial experts. Following are the actions taken by the different departments of the institute:

1. The Civil Engineering Department introduced a short term training program in collaboration with IEI Belapur chapter.

2. The Department of Computer and IT engineering, encouraged students to complete courses on self-developing portals like Oracle academy, EdX, and Cisco Palo alto and supported them to complete them successfully.

? Syllabus revision and paper setting- The UCoE faculty members participated in the development of the new curriculum. They put

forth valuable suggestions in syllabus revision, subject orientation and paper setting.

? Alumni involvement in quality improvement- The Institute invites the Alumni to extend their contribution to their Alma mater. The Alumni have provided their support by conducting webinars on various technical subjects and shared their industry expertise with the students.

? Promoting co-curricular activities- The institute supports and encourages students participation in NSS, Rotaract club and various student chapters of UCoE departments.. They conduct activities in the field of social welfare ,green initiatives & nationalism.

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

Internal Quality Assurance Cell, or IQAC, monitors faculty lectures and makes insightful recommendations for ongoing development. The IQAC creates a well-structured plan that includes regular classroom observations and assessments in order to ensure effective lecture monitoring. These evaluations are carried out by the Head of Department who pay attention to a variety of factors, including teaching strategies, material delivery, student involvement, and the usage of cutting-edge teaching resources.

The IQAC meets with the faculty members for constructive input after the lecture monitoring procedure. Specific areas of strength and improvement are covered during these sessions in a cooperative and helpful way. Each faculty member's specific needs are taken into account while making improvisational ideas, which motivates them to improve their instructional strategies and foster a more productive learning environment.

The IQAC also organises training sessions and workshops for professional development based on the areas that need to be improved, giving faculty members the chance to learn new information, implement cutting-edge teaching techniques, and create fresh perspectives.

This iterative process of monitoring, feedback, and development ensures that the faculty continually refines their teaching skills, promoting academic excellence and overall improvement in the quality of education at the institution.

File Description	Documents
Paste link for additional information	Nil
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	No File Uploaded
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, biometric free check-in 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. 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

1. 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. The waste is segregated before it is given out of the campus. Waste from the canteen is deposited in the compost pit on a regular basis.

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

3. Waste-Recycle: All the notices and announcements are published in electronic mode floor- wise on LCD screen. 'ProCampuz' cloud based ERP is used by the Administration for students' enrollment, and further academics. The Examination Cell uses VIVA software to store & retrieve data for applications like hall tickets, form filling and database management etc. Reuse and Recycling of stationery for printing, disposing of shredded papers to paper vendors are some steps which have been practiced.

4. All academic and intra-collegiate activities are performed ensuring minimum carbon emissions by motivating students and staff to use public transport.

All chemical waste from the Chemistry laboratory is 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	View File
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 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	**A. Any 4 or all of the above**

File Description	Documents
Geo tagged photographs / videos of the facilities	View File
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 ensuring cultural and regional inclusion.

The National Service Scheme (NSS) committee of UCOE conducted a 7-day residential camp in March 2022. The NSS volunteers conducted various activities like cleanliness drives, Smart Digital India Campaign (the residents were taught how to use Digi-Locker, Mahavitaran App and Ola/Uber Apps), sessions on "Spreading Awareness about Reading Books", Yoga, "Good touch bad touch" at the village school, and "Importance of Education". A survey was conducted that checked whether every house in the village had a bathroom, a septic tank and a soak pit. Households were educated regarding the importance of bathrooms, septic tanks and hygiene in general.

The college also permits staff of the Muslim community to visit the nearby shrines and perform prayers every Friday.

Other activities like International Yoga Day Celebration, Student Induction Programme are conducted by the college to instill a sense of inclusiveness in the students.

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 are 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 allow the students to express their patriotism through various events conducted on these days. Students are involved in webinars towards social responsibilities through the programmes like Road potholes Issue – News, Vaccination Drive, Rajodi Beach Cleanup, Dana Pani Beach Cleanup, Mega Blood Donation Camp, Book Donation Campaign, Community Mohotsav – Donate for a cause, Residential Camp, Nagle Village like activities. Activity like Handmade Poster (Independence Day) made students aware about Indian History and culture which shall be helpful for youth empowerment.

File Description	Documents
Details of activities that inculcate values; necessary to render students in to responsible citizens	View File
Any other relevant information	**No File Uploaded**

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	View File
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

National/International commemoration days are frequently celebrated and recognized in Universal College of Engineering to preserve unity and create a healthy work environment, as well as to make learners aware of their national pride and rich cultural heritage.

Guru Purnima was celebrated on June 23,2021 to honor gurus and remember the value of instructors in students' lives. Independence Day was observed on August 15, 2021, to foster a sense of patriotism among students and staff. On August 31,2021, Shree Krishna Janmashtami was observed to unite devotion, creativity and happiness. On September 4, 2021, Teachers Day was observed in remembrance of Dr. Sarvepalli Radha Krishnan's birthday by honoring notable figures in the area of education. To find out what kind of photographic skills our students possess, the Ganpati Photography Contest was held from September 10 through September 17, 2021. On October 14, 2021, Dussehra Puja was held to worship instruments of the Institution. On November 14 ,2021, Bachpan ke Din was observed in honor of Children's Day to cheer up kids and make them feel special. On April 13, 2022, Cultural Day Celebration was held with the goals of promoting unity and educating the public about local customs. On June 14,2022, married ladies celebrated Vat Purnima to ensure the welfare of their families. On 04/06/2022, Yoga Program was celebrated with the intention of establishing a connection with the higher self and integrating all facets of life in order to live in harmony.

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: "Unifying the World: The Power of Technical Events"

This practice aims to provide students with exposure to competition and encourage innovative thinking. It offers a platform for students to apply theoretical knowledge to solve practical technical problems and prepares them for the corporate world. The practice emphasizes independent learning with expert guidance. The context highlights the emphasis on practical skills, utilizing campus infrastructure and workshops. Tantrotsav, a day-long technical festival, and Hackstomp, a 24-hour hackathon, are key events that promote problem-solving and collaboration. Tantrotsav had a virtual edition in September 2021 with successful participation, while Hackstomp focused on innovation for India in March-April 2022. Evidence of success includes teams winning prestigious hackathons and receiving awards.

Best Practice 2: Academia-Industrial Collaboration

This practice focuses on creating career opportunities for students through collaborations with reputed organizations. Regular interactions with industries are conducted, including career guidance workshops and preparatory sessions. These initiatives have led to record-breaking placements and increased linkages with industrial personnel. Challenges were faced in meeting industry expectations due to low configuration systems for hands-on training.

Overall, these best practices focus on providing practical exposure, fostering innovation, and bridging the gap between academia and industry.

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. **Covid Pandemic Scholarship: The College during Covid-19 pandemic in 2021-2022, 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.**

2. **MHT CET Crash Course: As an initiative by IQAC, an online Crash Course of MHT-CET for all the Engineering aspirants was organized in association with the Department of Applied Science and Humanities completely free of cost. The objective was to enlighten all aspirants about the nature of examination and the useful tricks for accurate answers and time management during the actual examination.**

The Course was scheduled between 9th to13th August 2021.

The evaluation was based on the updated pattern to be followed in MHT-CET 2021. Syllabus for the subjects of Physics, Chemistry & Mathematics was covered under the course. All the participants were awarded with E- Certificate for attending the same.

File Description	Documents
Appropriate web in the Institutional website	[View File](#)
Any other relevant information	**No File Uploaded**

7.3.2 - Plan of action for the next academic year

- **Promote Entrepreneurship:**
  - **Planning to encourage students to become entrepreneurs and start their own ventures by providing resources such as mentorship, funding, and networking opportunities to help them succeed.**
- **To promote and motivate the faculty for more research work:**
  - **Faculties completing their Doctorate Degree can be**

    felicitated and some awards in terms of finances can be given as a token of appreciation
- ○ Faculties pursuing/ preparing for entrance exams for their Doctorate Degree can be given study leave as and when required with prior permission.
- Encourage a Collaborative Learning Environment:
  - ○ Collaboration is vital for any Engineering Institute's success. Planning to create an environment that encourages cooperation and teamwork.
  - ○ This includes encouraging students to work on projects together, promoting group discussions, and hosting networking events.
- Focus on Industry-Academia Collaboration:
  - ○ Building strong relationships with industry partners is crucial for the success of an engineering institute.
  - ○ We are planning to collaborate with many more industries offering internships, providing research opportunities, and creating industry-specific courses which will help students gain practical experience and prepare them for their future careers.
- Emphasize Soft Skill Development:
  - ○ Soft skills such as communication, teamwork, and leadership are essential for the success of any engineer.
  - ○ Planning to integrate soft skill development into extra curriculum and provide opportunities for students to develop these skills.