



YEARLY STATUS REPORT - 2022-2023

Part A

Data of the Institution

1.Name of the Institution	UNIVERSAL ENGINEERING COLLEGE
• Name of the Head of the institution	Dr. Jose K Jacob
• Designation	Principal
• Does the institution function from its own campus?	Yes
• Phone no./Alternate phone no.	04802860477
• Mobile no	8547438618
• Registered e-mail	principal@uec.ac.in
• Alternate e-mail	drjosekjacob@gmail.com
• Address	Universal Engineering College, Vallivattom, Thrissur, 680123
• City/Town	Thrissur
• State/UT	Kerala
• Pin Code	680123
2.Institutional status	
• Affiliated /Constituent	Affiliated
• Type of Institution	Co-education
• Location	Rural

- Financial Status **Self-financing**
- Name of the Affiliating University **A. P. J. Abdul Kalam Technological University**
- Name of the IQAC Coordinator **Dr. Sreeraj R**
- Phone No. **04802864177**
- Alternate phone No. **04802860477**
- Mobile **9446854063**
- IQAC e-mail address **iqac@uec.ac.in**
- Alternate Email address **sreerajr@uec.ac.in**

3.Website address (Web link of the AQAR (Previous Academic Year)

<https://uec.ac.in/iqac/naac-ssr/>

4.Whether Academic Calendar prepared during the year?

Yes

- if yes, whether it is uploaded in the Institutional website Web link:

<https://uec.ac.in/college-calendar/>

5.Accreditation Details

Cycle	Grade	CGPA	Year of Accreditation	Validity from	Validity to
Cycle 1	B	2.14	2022	11/10/2022	11/10/2027

6.Date of Establishment of IQAC

16/11/2017

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
Nil	Nil	Nil	Nil	Nil

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 **5**

- Were the minutes of IQAC meeting(s) and compliance to the decisions have been uploaded on the institutional website? **Yes**

- If No, please upload the minutes of the meeting(s) and Action Taken Report No File Uploaded

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)

IQAC promotes quality initiatives in teaching learning process by proper bench marking like OBE implementation, teaching pedagogies.

NBA institution registration completed and pre-qualifier got approved.

SAR preparation for NBA accreditation has been submitted.

Initiated the activities for the Institutional Development Plan for next 5 years.

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
OBE Training Activities	Conducted OBE training for teaching faculties for a clear understanding of the outcome based learning methodologies
Internal Academic Audit	In order to help in documentation and quality improvement process conducted Internal Academic audit in two stages incorporating suggestions on OBE by KTU and NAAC
Activities planned and organised by professional societies and clubs	Various technical and non technical activities organised for the students during the academic year.
Collaborative Programs	NSS , CLUBS and Anti-narcotic cell organised various social activities

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

- Name of the statutory body

Name	Date of meeting(s)
Academic Council	22/11/2023

14. Whether institutional data submitted to AISHE

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<ul style="list-style-type: none"> If No, please upload the minutes of the meeting(s) and Action Taken Report 	<p>No File Uploaded</p>	
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<ul style="list-style-type: none"> If yes, mention the amount 		
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<p>SAR preparation for NBA accreditation has been submitted.</p>		
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Empty space for plan of action and outcomes		

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Name	Date of meeting(s)
Academic Council	22/11/2023
14.Whether institutional data submitted to AISHE	
Year	Date of Submission
2022	24/01/2023
15.Multidisciplinary / interdisciplinary	
<p>UEC has a multidisciplinary curriculum with a vision to imparting skill development and innovation ecosystem to create engineers that cater to the needs of the society.</p> <p>Humanities, Science and Mathematics are an integral part of the engineering courses in the Institute. For every B.Tech. Course</p>	

subjects like Physics, Chemistry, Mathematics, English, are taught in their 1st four semesters. Also department offers minor degree course in various interdisciplinary streams such as Computer Science and Engineering.

16.Academic bank of credits (ABC):

The Institute is offering a basket of elective papers for each B.Tech courses and the students have the flexibility to choose the subjects as per requirement. This is a preliminary initiative taken by the Institute to fulfill the bigger goal of implementing the Academic bank of credits.

17.Skill development:

The institution's skill development efforts with that of National Education Policy (NEP) through its enrichment of curriculum, electives, add-on courses etc.

The Institute organizes various debate competitions essay writing, story writing, workshops, and live projects with industry collaboration, skill development program for the students on a regular basis to encourage professional education.

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

Institute conducted a vibrant arts festival YUGAM 2023 celebrates creativity and innovation. Showcasing diverse talents through music, dance, fine arts, and tech-inspired exhibits, it fosters a platform for young artists to shine. With a fusion of culture and modernity, YUGAM promises an exhilarating celebration of artistic brilliance.

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

To empower educators with the knowledge and skills required to implement Outcome Based Education (OBE) effectively the institute organize FDP on teaching pedagogy. The faculties have the opportunity to engage in various interactive sessions, workshops, and discussions that aim to enhance their teaching methodologies and approaches. This FDP help the faculty to gain valuable insights into OBE principles, which emphasize aligning educational objectives with the desired outcomes for students. Institute also conducted FDP on OBE specifically focuses on mapping, measuring, and achieving predetermined educational goals to help students learn, develop, and nurture skills that would help them grow in their professional as well as personal life.

20.Distance education/online education:	
Nil	
Extended Profile	
1.Programme	
1.1 Number of courses offered by the institution across all programs during the year	300
File Description	Documents
Data Template	View File
2.Student	
2.1 Number of students during the year	985
File Description	Documents
Institutional Data in Prescribed Format	View File
2.2 Number of seats earmarked for reserved category as per GOI/ State Govt. rule during the year	47
File Description	Documents
Data Template	View File
2.3 Number of outgoing/ final year students during the year	286
File Description	Documents
Data Template	View File
3.Academic	
3.1 Number of full time teachers during the year	95

File Description	Documents
Data Template	View File
3.2	68
Number of sanctioned posts during the year	
File Description	Documents
Data Template	View File
4.Institution	
4.1	29
Total number of Classrooms and Seminar halls	
4.2	398.18
Total expenditure excluding salary during the year (INR in lakhs)	
4.3	272
Total number of computers on campus for academic purposes	

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

1. The university regularly updates the curriculum for PG and UG programs. To keep students industry-ready, we ensure they are updated with the latest changes and trends in technologies.
2. The DAC meets regularly to discuss the curriculum, identify gaps in the syllabus, and devise measures to equip students with changing challenges. Suggestions from class representatives, students, employees, and alumni are placed before the DAC for discussion.
3. IQAC prepares a college level academic calendar in line with

university academic calendar.

4. Subject allocation is done by considering faculty specialization, experience, and workload for the forthcoming semester.
5. A teaching plan for each course is prepared by the corresponding faculty.
6. Feedback on course delivery is taken from all students and also through the course/class committee twice in a semester. This feedback is communicated to the corresponding faculty, and corrective measures are taken, forming an integral part of curriculum implementation.
7. UEC's Academic Management System (AMS) is used for uploading all activities of each course, including timetable, proposed and actual course plan, attendance, and internal assessment marks.
8. Faculty members served as various academic positions such as member on the board of studies, doctoral committees, resource persons, reviewers, university for setting question papers and observers.

File Description	Documents
Upload relevant supporting document	View File
Link for Additional information	https://uec.ac.in/academic-heads/

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

During the academic year, the Institute has strictly adhered to the academic calendar set forth by the KTU.

Course/Class committees including faculty and student representatives are formed in accordance with university norms. The academic calendar and class timetable are circulated to students at the beginning of each semester, enabling them to plan their academics effectively. Course plans are prepared and are verified and approved by the head of the department.

The course delivery is monitored at various levels, with student feedback taken twice in a semester. The Course/Class committee discusses the pace and effectiveness of course delivery, and the performance of students in the internal assessment is monitored and action taken were noted. Internal evaluation of theory courses will be evaluated by a scrutiny committee constituted in the department. Internal marks are published by considering series marks, assignment marks, and attendance.

Students must secure/attain the minimum internal marks prescribed by the university (KTU 2015 scheme) for the eligibility for appearing in final examinations. In addition students are required to obtain activity points through participation in co-curricular and extracurricular activities. Institute has made efforts to enhance the academic processes based on feedback and evaluations

File Description	Documents
Upload relevant supporting document	View File
Link for Additional information	http://naac.uec.ac.in/AQAR_23/1/Sample_Course_File.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

C. Any 2 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	No File Uploaded
Minutes of relevant Academic Council/ BOS meetings	View File
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

304

File Description	Documents
Any additional information	No File Uploaded
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

UEC continues to uphold its commitment to integrating cross

cutting issues relevant to Professional Ethics, Gender, Human Values, Environment, and Sustainability into the Curriculum. The university maintains mixed classrooms and department rooms, ensuring no gender discrimination.

The Anti-ragging cell, Women’s cell, and Student Grievance Redressal Committee addresses any gender issues. UEC conducts tour programs and industrial visits every year, with equal participation from boys and girls. Equal importance is given to both genders when preparing class hours, projects, and practical facilities each semester.

In the past year, the Women’s cell of UEC, “JWALA,” has conducted several programs:

1. A talk on “Women Safety and Government Policies”
2. International Women’s Day celebration
3. A session on Stress Management Therapy
4. A technical workshop for women on “ATL Gaming Solutions”
5. A Seminar on “Women and Rights”

These initiatives have further strengthened our commitment to gender equality. The NSS unit of UEC has also conducted blood donation camps, reflecting our commitment to community service.

In conclusion, UEC continues to integrate crosscutting issues into its curriculum and campus life, fostering an environment of equality, sustainability, and social responsibility.

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

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	View File
MoU's with relevant organizations for these courses, if any	No File Uploaded
Institutional Data in Prescribed Format	View File

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

810

File Description	Documents
Any additional information	No File Uploaded
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

B. Any 3 of the above

File Description	Documents
URL for stakeholder feedback report	http://naac.uec.ac.in/AQAR_23/1/Sample Student Feedback AMS.pdf
Action taken report of the Institution on feedback report as stated in the minutes of the Governing Council, Syndicate, Board of Management	No File Uploaded
Any additional information	View File

1.4.2 - Feedback process of the Institution may be classified as follows

B. Feedback collected, analyzed and action has been taken

File Description	Documents
Upload any additional information	View File
URL for feedback report	http://naac.uec.ac.in/AQAR_23/1/Sample_Student_Feedback_AMS.pdf

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 students admitted during the year

226

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

30

File Description	Documents
Any additional information	No File Uploaded
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

Institution has been steadfast in its commitment to support students from diverse backgrounds, particularly those from economically backward families. Student Performance Enhancement and

Counselling (SPEAC) cell has been instrumental in identifying slow learners. For slow learners, remedial measures are suggested, while advanced learners are provided with add-on courses, minor programs, entrepreneurship-related activities.

In the past year, SPEAC has initiated a weekly activity program. Teachers assign activities to students on a daily basis, and class tutors collect these activity reports from each teacher. These reports are then consolidated and submitted to the HoD. For pre-admission students, the institution continues to provide classes in maths, chemistry, physics, and communication to improve the learning level of students.

During the induction program, for the first year group discussions, debates, familiarising of science subjects were conducted. These sessions, which involve numerous group activities, help the teachers assess the learning level of the students. Feedback from subject teachers are used to identify the advanced learners and slow learners in the higher semesters. Through mentoring, the learning ability of the mentees is identified by the mentors, based on their academic performance, social and psychological aspects, and behaviour. Remedial classes are provided for the students

File Description	Documents
Paste link for additional information	https://uec.ac.in/spec-committee/
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
985	95

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

1. **ICT Enabled Teaching: Faculty members have continued to use ICT-**

enabled teaching methodologies across all courses. The ICT enabled facility, SDPK Lab, equipped with interactive screen, mic, speakers.

2. Academic Calendar: UEC has been publishing an academic calendar in line with the KTU academic calendar.

3. Multimedia Teaching Aids: Every department is equipped with multimedia teaching aids like LCD projectors. These tools have been extensively used in seminars, guest lectures on core subjects, and other industry-relevant topics.

4. Industrial Training and Internships: UEC has been promoting students to participate in industrial training and internships. This has been done to provide students with industry exposure.

5. Innovative Projects: The IEDC club of UEC has been encouraging students to undertake innovative projects. They have also been motivating them to participate in project competitions and idea pitching organized by other institutions.

6. Technical Festivals: UEC has organized several technical festivals to showcase the technical talent of students.

7. SDPK Initiative: The SDPK initiative has been introducing industry-relevant employability skill training programs to students.

8. Library Resources: The library has a sufficient number of books and e-journals. The e-library facility has also been made available to students.

File Description	Documents
Upload any additional information	View File
Link for additional information	https://uec.ac.in/iedc/

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

1. Seminar Halls and Computer Lab: UEC has two seminar halls and one computer lab, all equipped with multimedia facilities.

2. Classrooms with ICT Facilities: In every block, classrooms

equipped with ICT facilities are available. These have been instrumental in facilitating effective teaching and learning.

3. Library Resources: The library has subscribed to a number of e-journals in the fields of Engineering, Science, and Management. A sufficient number of e-books & e-journals are available in the library.

4. SDPK Initiative: The SDPK initiative, implemented through KSITL and ICTAK, has continued to introduce industry-relevant employability skills training programs to Engineering students across the state. The SDPK lab, equipped with ICT-enabled tools worth Rs.17 Lakhs funded by the Government of Kerala, has been a significant addition to our resources.

5. ICT Enabled Tools in SDPK Lab: The SDPK Lab is equipped with advanced tools like interactive screen, speaker, tracker camera, ceiling mic. **Telepresence:** Telepresence, which uses high-definition equipment to replicate face-to-face communication virtually, has been used extensively. The interactive system uses a video call incorporating multiple cameras, touch-enabled screen, directional speakers, and microphones.

File Description	Documents
Upload any additional information	No File Uploaded
Provide link for webpage describing the ICT enabled tools for effective teaching-learning process	View File

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

73

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

2.4 - Teacher Profile and Quality

2.4.1 - Number of full time teachers against sanctioned posts during the year

95

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	View File

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

10

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

5

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.

1. **Academic Calendar:** UEC prepares the academic calendar in line with the KTU academic calendar. This calendar charts the specific dates for the completion of syllabus coverage, and the conduct of Continuous Assessments (CA's) for theory and laboratory.

2. **Internal Examinations:** Internal examinations are conducted by the institution strictly as per the frequency and schedule prescribed by the university.

3. **Question Paper Preparation and Verification:** 2 sets of question papers are prepared by the faculty. These question papers are scrutinized and verified by a committee comprising of subject expert, and HoD to ensure the quality of the question paper.

4. **Valuation Scheme:** A valuation scheme is shared with the students, so that they have clarity on the marks awarded to them.

5. **Publication of Internal Marks:** Internal marks scored by the students as well as the final internals are published on the notice board.

6. **Awarding of Internal Marks:** After finalizing the internal marks, the same is published on the notice board and shared with the students. At the end of the semester, marks scored by the student are uploaded to the AMS and the KTU University portal.

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

Over the past year, UEC has continued to uphold its commitment to a transparent, time-bound, and efficient internal evaluation system. Institute has conducted two series tests, in addition to tutorials and assignments, to evaluate the academic progress of our students. The College Student's Grievance and Redressal Committee, comprising the senior-most member of the institution as convener, student and faculty members from each department.

Students have been encouraged to approach their respective faculty or mentor for any complaints or grievances related to valuation. In the class and course committee meetings, students have had the opportunity to share their grievances with the tutor, faculties, and HoD. Complaints received based on university examinations, certificates, schedule of valuation, and mark sheets have been addressed at the University level and monitored through proper channels to ensure a satisfactory outcome. In cases where the re-valuation mark is lesser than the original marks, the original marks have been retained. The result of re-valuation is announced promptly after the request from the student.

In conclusion, UEC has strived to maintain a transparent, efficient, and time-bound mechanism to deal with internal and external examination-related grievances, thereby ensuring the academic integrity and welfare of our students.

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

2.6 - Student Performance and Learning Outcomes

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

In the past year, UEC has continued to uphold its commitment to clearly stating and displaying the programme and course outcomes for all programmes offered by the institution. The vision and mission of the institution and the department continue to serve as the primary basis for framing the Programme Educational Objectives (PEOs) by the Department Advisory Board (DAB).

Based on OBE ,12 Programme Outcomes (POs) for each programme have been diligently followed. These POs, representing the skills and knowledge of the students, are attained and demonstrated through a combination of course components and Course Outcomes (COs).

COs are formulated foreach subject by the respective teaching member during the time of subjectallocation, before the beginning of the academic sessions. These COs helpstudents understand the purpose of learning the course and identify what theywill be capable of doing at the end of the course.

Before the commencement of each semester, the Department Academic Council, consisting of the HoD, Course and Module Coordinator, and senior faculty members, analyse the COs.

Feedback is conducted for the improvement of the subject, and remedial measures are taken based on the feedback received.

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

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

In 2019 scheme, university had included CO's for every course in the syllabus. However faculty handling respective subjects are encouraged to add more CO's if required. The prepared CO's are verified by department advisory board and approved. Then the CO's are to be mapped with PO's. CO PO attainment are calculated based on the internal assessment and university exams. The institution conduct workshop on outcome based education regularly to make the faculty aware about outcome based education. Attainment of programme outcomes (POs) program specific outcomes. Evaluation of PO's and PSO's are based on the direct and indirect assessment tools. The direct attainment calculation of PO's and PSO's are based on the CO attainment obtained from university examination and internal assessment.

File Description	Documents
Upload any additional information	View File
Paste link for Additional information	http://naac.uec.ac.in/AQAR_23/2/2.6.2.PNG

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

225

File Description	Documents
Upload list of Programmes and number of students passed and appeared in the final year examination (Data Template)	View File
Upload any additional information	View File
Paste link for the annual report	http://naac.uec.ac.in/AQAR_23/1/Annual_Report_22_23_UEC.pdf

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)

http://naac.uec.ac.in/AQAR_23/2/Student_Satisfaction_Survey.pdf

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)

0.6

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

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

3.1.2.1 - Number of teachers recognized as research guides

1

File Description	Documents
Any additional information	No File Uploaded
Institutional data in prescribed format	View File

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

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

1

File Description	Documents
List of research projects and funding details (Data Template)	View File
Any additional information	No File Uploaded
Supporting document from Funding Agency	No File Uploaded
Paste link to funding agency website	Nil

3.2 - Innovation Ecosystem

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

IEDC & IIC of UEC aims at inspiring & motivating the students to come up with innovative ideas that may lead them to become entrepreneurs. UEC always promotes the students to think and learn from out of the box and make them capable of developing their innovative ideas into reality. This is achieved by organising various activities/ workshops. Mentorship of Kerala Start Up Mission also plays a vital role in it, also the students are encouraged to participate in the contexts / events organised by various institutions, professional bodies & non-government organisations etc. this will aid the students in obtaining the necessary funds to develop their prototype, to obtain external mentoring & support & also to meet peoples of same interest.

Students also holds various official positions in IEDC & IIC. This will help them to improve their leadership qualities, in addition to the entrepreneurship skills acquired from various activities put forward by IEDC & IIC.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://uec.ac.in/iedc/

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

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

4

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

3.3 - Research Publications and Awards

3.3.1 - Number of Ph.Ds registered per eligible teacher during the year

3.3.1.1 - How many Ph.Ds registered per eligible teacher within the year

0

File Description	Documents
URL to the research page on HEI website	Nil
List of PhD scholars and their details like name of the guide , title of thesis, year of award etc (Data Template)	View File
Any additional information	No File Uploaded

3.3.2 - Number of research papers per teachers in the Journals notified on UGC website during the year

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

15

File Description	Documents
Any additional information	No File Uploaded
List of research papers by title, author, department, name and year of publication (Data Template)	View File

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

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

2

File Description	Documents
Any additional information	No File Uploaded
List books and chapters edited volumes/ books published (Data Template)	View File

3.4 - Extension Activities

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

The National Service Scheme (NSS) at UEC has been instrumental in carrying out various extension activities in the neighbourhood community, sensitizing students to social issues, and contributing to their holistic development. Here are some of the key activities conducted during the year:

1. Health and Safety: Activities like 'Helmetawareness program' were organized to promote health and safety in the community.

2. Environmental Consciousness: Events like 'International plastic bag free day, Clean campus beautiful campus and a visit by an 'Energy conservation vehicle' were conducted to foster environmental consciousness among students.

3. Cultural and National Celebrations: The NSS celebrated 'Mother's Day', 'International Nurses day', 'Yoga Day', 'Independence Day', 'Teachers Day', 'NSS Day', and 'International Peace day'. These celebrations helped students understand the importance of cultural diversity and national unity.

4. Community Service: The 'Blood Donation Camp', 'Pothichoru Distribution', and 'Training on soap making' were significant community service initiatives that instilled a sense of social responsibility in students.

5. NSS Volunteer Selection 2022-2023: This event was crucial in bringing in fresh perspectives and energy into the NSS activities.

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

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

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

1

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	No File Uploaded

3.4.3 - 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

3.4.3.1 - 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

38

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 during the year (Data Template)	View File

3.4.4 - Number of students participating in extension activities at 3.4.3. above during year

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

1284

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

3.5 - Collaboration

3.5.1 - Number of Collaborative activities for research, Faculty exchange, Student exchange/ internship during the year

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

368

File Description	Documents
e-copies of related Document	View File
Any additional information	No File Uploaded
Details of Collaborative activities with institutions/industries for research, Faculty	View File

3.5.2 - Number of functional MoUs with institutions, other universities, industries, corporate

houses etc. during the year

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

11

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

INFRASTRUCTURE AND LEARNING RESOURCES

4.1 - Physical Facilities

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

The institution continues to maintain and enhance its infrastructure and physical facilities for teaching-learning. The campus comprises five academic blocks (main block, A, B, lab block, and lab annex) and one non-academic block.

The institution has infrastructural facilities for conducting placement drives, rooms for IEDC, NSS, and ENCON CLUB. All laboratory facilities prescribed by the university are available and are well-maintained by the respective parent departments.

In addition to the prescribed laboratory facilities, the institution has a facility set up by the Skill Development Platform Kerala (SDPK). This facility, equipped with an interactive display, audio system, sound-sensing camera, and mic, facilitates online interactive sessions for students.

The Civil Engineering department offers consultancy work for testing building materials and checking water quality. The institution is equipped with seven scanning machines, 46 printers, and fax facilities. To ensure a reliable power supply, an 80 KVA diesel generator set is installed for campus load and the girls hostel.

For an interactive mode of teaching-learning process, the institution has ICT-enabled smart classroom facilities. There are two open wells, one exclusively for the girls hostel and the other for the college, gardening, and landscaping area.

Water filters and coolers are available in all floors.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	http://naac.uec.ac.in/AQAR_23/4/uec_facilities_at_a_glance.pdf

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

The institution continues to provide ample facilities for nurturing sports, cultural activities, and indoor and outdoor games. The Physical Education Department of the college oversees all sports facilities and organizes inter-college tournaments and annual meets to foster sports skills, team spirit, and leadership qualities among students.

The sports facilities include a kabaddi court (13m²x8m²), a shuttle and badminton court (13.4m²x6.1m²), a volleyball court (18m²x9m²), and a football court (90m²x50m²). The Physical Education Department pays special attention to maintaining the mental health of individuals in the sports team.

Tournaments such as zonal and inter-zone volleyball, cricket, football, basketball, and badminton are conducted through the Physical Education Department with support from the management. Team selection is done regularly for each sports item, and players are given special coaching to improve their skills and talents.

The institution conducts a cultural fest every year, incorporating various forms of arts to showcase the talents of students. Students are also given opportunities to participate in the celebration of festivals and commemorative days like Christmas, Onam, and other festivals.

In conclusion, the institution continues to provide adequate facilities for cultural activities, sports, games (indoor, outdoor), thereby fostering a holistic development environment for

students.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	http://naac.uec.ac.in/AQAR_23/4/Sports_facility.pdf

4.1.3 - Number of classrooms and seminar halls with ICT- enabled facilities such as smart class, LMS, etc.**8**

File Description	Documents
Upload any additional information	View File
Paste link for additional information	Nil
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)****17.64**

File Description	Documents
Upload any additional information	View File
Upload audited utilization statements	No File Uploaded
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)**

The Central Library of Universal Engineering College continues to be fully automated using the Integrated Library Management System (ILMS) software, KOHA. The current version is 3.12, and the automation was implemented in 2012.

The library, spread over 400m², houses a collection of 18150 textbooks, 2560 Reference Books, 52 National journals, 2 International journals and 100+ e-journals from both Indian and foreign authors through delnet. It is conveniently located in the main block and can accommodate 50 members. The digital library has 10 systems with an internet access speed of 100 Mbps.

To facilitate book searches, the Dewey Decimal Classification system is followed. The library membership is open to all teaching and non-teaching staff and students, who can access newspapers and university question papers. A special space is allocated for reference books.

In conclusion, the institution continues to maintain and upgrade its library facilities, ensuring a conducive environment for learning and research.

File Description	Documents
Upload any additional information	View File
Paste link for Additional Information	https://uec.ac.in/library/

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	View File
Details of subscriptions like e-journals, e-ShodhSindhu, Shodhganga Membership etc (Data Template)	View File

4.2.3 - Expenditure for purchase of books/e-books and subscription to journals/e-journals during the year (INR in Lakhs)

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

2.06

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

25

File Description	Documents
Any additional information	No File Uploaded
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 Engineering College (UEC) continues to maintain and frequently update its IT facilities, including Wi-Fi. The Electronic Circuit Lab consists of 10 systems, each with an INTEL DUAL CORE 3.10 GHz processor, 2 GB RAM, and a 500 GB HDD. The Digital Library has 21 computers, each with an INTEL DUAL CORE i3 3.10 GHz processor, 4 GB RAM, and a 500 GB HDD. The entire campus is Wi-Fi enabled with 20 access points, ensuring seamless internet connectivity for all students and staff.

The advanced programming lab of CSE department has 60 computers, each configured with an Intel Core I3 , 16GB RAM, and 500GB & 320GB HDD. The Civil Engineering Department's CAD lab has 41 computers. Similarly, the Mechanical Engineering Department's CAD lab has 41 computers with latest configuration.

The Computer Science Engineering Department has a Free and Open

source software lab with 41 computers, each equipped with good configuration systems. The Electronics and Communication Department's VLSI Lab has 10 computers, each with an INTEL DUAL CORE 3.10 GHZ processor, 2 GB RAM, and a 500 GB HDD. The Electrical and Electronics Engineering Department's Advanced Electrical Engineering Lab has 20 computers.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	http://naac.uec.ac.in/AQAR_23/4/Audit_Statement.pdf

4.3.2 - Number of Computers

272

File Description	Documents
Upload any additional information	No File Uploaded
List of Computers	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)

9.27414

File Description	Documents
Upload any additional information	View File
Audited statements of accounts	No File Uploaded
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.

The institution is situated on a 10-acre landscape in a rural area, with well-constructed buildings and facilities. Our smart classrooms, furnished with adequate furniture, LCD projectors, and internet connectivity, facilitate effective teaching and learning.

UEC boasts of comprehensive lab facilities, each managed and maintained by a faculty in charge and a technical assistant. These labs, equipped with computers and printers, are utilized by students for their lab activities and UG/PG project works.

The entire campus is Wi-Fi enabled, providing seamless internet access to all staff members and students. Our central library houses over 15,000 volumes and 5,075 titles. The digital library can be accessed by staff and students to read and access e-books and e-journals. Department libraries are also available for students.

The Department of Physical Education provides facilities for indoor and outdoor games. These facilities are utilized by students and staff members to participate in inter-college games and sports competitions.

- Water coolers and mineral water bottles for clean and potable drinking water.
- Fire-fighting system for fire safety.
- Canteens offering both vegetarian and non-vegetarian food.
- Auditorium for conducting events.
- Tie-up with a hospital for any medical emergencies.

Systemadministrator for addressing internet and networking problems.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	https://uec.ac.in/

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

64

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

0

File Description	Documents
Upload any additional information	No File Uploaded
Number of students benefited by scholarships and free ships institution / non- government agencies in last 5 years (Date Template)	View File

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

A. All of the above

File Description	Documents
Link to Institutional website	https://uec.ac.in/
Any additional information	No File Uploaded
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

17

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

17

File Description	Documents
Any additional information	No File Uploaded
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

A. All of the above

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

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	View File
Details of student grievances including sexual harassment and ragging cases	View File

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

85

File Description	Documents
Self-attested list of students placed	View File
Upload any additional information	No File Uploaded
Details of student placement during the year (Data Template)	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

13

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

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

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

4

File Description	Documents
Upload supporting data for the same	No File Uploaded
Any additional information	No File Uploaded
Number of students qualifying in state/ national/ international level examinations during the year (Data Template)	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	No File Uploaded
Any additional information	No File Uploaded
Number of awards/medals for outstanding performance in sports/cultural activities at university/state/national/international level (During the year) (Data Template)	View File

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

Students are integral to the activities of the Engineering departments' associations, organizing technical workshops, fests, exhibitions, and more under the association banner. Commemorative days are marked by activities organized by student associations and various clubs, fostering global awareness among our students. UEC students are given opportunities to interact with eminent personalities through various activities and programs organized by different clubs, associations, and initiatives. Most of these activities are student-planned and organized. Students are also part of the anti-ragging cell, Internal Complaints Cell, Student Grievances and Appeal Committee, students welfare committee, and Alumni. Through the class and course committee, student representatives provide feedback on course delivery, teaching pace, portion coverage, understanding level, and topics covered. This feedback mechanism enhances the efficiency of the teaching-learning process.

The college union, elected democratically, ensures representation from each class, including at least one female representative. The union plans and organizes various activities such as tech fests, arts fests, sports, outreach programs, technical talks, training, and other socially related activities. All activities or initiatives of the students' union are initially submitted to the staff advisor

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

82

File Description	Documents
Report of the event	No File Uploaded
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

The Universal Engineering College (UEC) Alumni Association, established in 2019, continues to uphold its commitment to fostering a robust relationship between the institution's stakeholders and its alumni. With over 300 active members, the association provides constant support and guidance, helping students secure better career opportunities.

The aims and objectives of the UEC Alumni Association remain steadfast:

1. **Strengthening Relationships:** The association continues to fortify the bond between alumni and the institution.
2. **Industry Awareness:** It provides current students with

insights into various industry activities.

3. **Institutional Growth:** The association keeps alumni informed about the college's growth and development.
4. **Promoting Activities:** It encourages social and cultural activities among former and current UEC students.
5. **Fundraising:** The association raises and administers funds for the development of society and the alma mater.
6. **Career Support:** It acts as a catalyst for passed-out students, helping them find job opportunities in line with their qualifications through the placement cell.

In conclusion, the UEC Alumni Association remains a registered entity that significantly contributes to the institution's development through financial and other support services. It continues to play a vital role in the institution's growth, reflecting its commitment to the welfare of both current students and alumni.

File Description	Documents
Paste link for additional information	https://uec.ac.in/alumni-association/
Upload any additional information	No File Uploaded

5.4.2 - Alumni contribution during the year E. <1Lakhs (INR in Lakhs)

File Description	Documents
Upload any additional information	No File Uploaded

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

The governance of Universal Engineering College (UEC), established in 2011, continues to align with its vision and mission.

Vision:

Provide excellent engineering education, imparting skill development and innovation ecosystem to create engineers that cater to the needs of the society with strong ethical values.

Mission:

1. Qualified faculty and intact infrastructure, bestow creative and innovative engineering education.
2. Equip the students with competent and cutting edge technologies.
3. Mould the students to meet the changing challenges with global outlook.
4. Inculcate moral and ethical values among students so as to serve the needs of the society

UEC strives to be an outstanding institution among its peers, aiming at delivering quality education and guidance to students, particularly focusing on the upliftment of the rural community. The governance of UEC remains reflective of and in tune with its vision and mission, ensuring that the institution's operations and initiatives align with these guiding principles. This alignment is evident in UEC's ongoing commitment to its vision and mission, as it continues to provide quality education and foster an environment conducive to learning and growth.

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

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

The effective leadership at Universal Engineering College (UEC) is evident in its various institutional practices that reflect decentralization and participative management.

1. **Uniform Dress Code:** UEC enforces a uniform dress code for

students, including workshop coats and black shoes in all labs (except computer labs), ensuring student safety during lab hours.

2. **Discipline Monitoring:** The institution's authorities diligently monitor discipline among students and staff on campus.
3. **Strict Timings:** UEC adheres to strict class timings, attendance rules for students, and working hours for faculty and non-technical staff.
4. **Code of Conduct:** The institution has a prescribed strict code of conduct for students and staff within the campus.
5. **Parking Facilities:** UEC provides parking space for students' and staff's vehicles inside the campus.
6. **Safety and Discipline:** Safety rules, proper decorum, and punctuality are enforced in the laboratories. Strict discipline is maintained in the library. A matron/warden is posted in boys' and ladies' hostels to ensure safety and discipline.

Decentralization: UEC has formed various committees such as the IQAC, Academic Council, Placement Cell, and Examination Cell for decentralizing the activities of the institution.

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

6.2 - Strategy Development and Deployment

6.2.1 - The institutional Strategic/ perspective plan is effectively deployed

1. **Planning and Direction:** The IQAC of UEC plans and directs various clubs and departments to organize or attend events or activities.

2. **Corrective Measures:** The IQAC takes necessary corrective measures in all activities or initiatives of the institution, clubs, associations, and cells to ensure all programs are intended

to achieve the college's mission and vision in the longrun.

3.Mentoring and Skill Development: Proper mentoring is provided to slow learners, and remedialclasses are conducted to uplift them.

4. Curriculum Enhancement: Add-on courses are planned to fill gaps in the syllabus.Industrial training is provided to make students aware of the latestdevelopments in the industries.

5. Innovation and Entrepreneurship: The IEDC motivates and mentors students to come up withinnovative ideas.

6.Outreach Programs: Technical events and outreach programs are organized by thedepartments, clubs, or technical associations to enhance the students with careeropportunities.

7. Scholarships: Scholarships are provided to economically weaker sections touplift them.

8.Monitoring: All activities are monitored by the management, while thequality of the activities is monitored by the IQAC, and corrective measures aresuggested if there is any deviation from the set plans.

File Description	Documents
Strategic Plan and deployment documents on the website	View File
Paste link for additional information	Nil
Upload any additional information	No File Uploaded

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.

The functioning of the institutional bodies at Universal Engineering College (UEC) continues to be effective and efficient, as demonstrated by the following practices:

1.Policies: UEC operates under the guidance of its own policies on variousinstitutional functions, including the Academic Manual, Quality Policy, QualitySystems Manual, HR Policy, Maintenance Policy, Admission Policy, PurchasePolicy, and Bus Service Policy.

2.Administrative Setup: The highest body of the institution is the

Board of Directors, which includes the Chairman, Chief Patron, Vice Chairman, Secretary, Treasurer, Joint Secretary, Executive Director, and Executive Members. The Governing Body and Academic Council meet regularly to discuss issues, update policies, and oversee various activities.

3. Principal's Role: The Principal supervises, directs, and controls academic-related functions, faculty, and students. The Principal oversees the Director of IQAC, UG/PG Dean, Heads of Departments, Head of Physical Education, Additional Chief Superintendent/Workshop Superintendent, Training & Placement Officer, Librarian, various Committee Coordinators, and Hostel Warden.

4. Administrative Coordinator's Role: The Administrative Coordinator controls all non-academic functions and the personnel responsible for those functions, including the Transport Officer, Office Assistant, HR Section, Students Section, Office Attendants, Maintenance Supervisor, Security, and Canteen/Cleaning Supervisor

File Description	Documents
Paste link for additional information	Nil
Link to Organogram of the institution webpage	http://naac.uec.ac.in/AOAR_23/6/uec_organogram.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

B. Any 3 of the above

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

6.3 - Faculty Empowerment Strategies

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

1. **Welfare Schemes:** UEC has effective welfare schemes for both teaching and non-teaching staff, ensuring a conducive work environment.
2. **Transportation and Accommodation:** UEC provides transportation facilities to all staff members and offers accommodation to those who opt for it.
3. **Internal Complaints Cell:** To ensure the security and dignity of women, UEC has an internal complaints cell to address any grievances.
4. **Staff Club:** UEC's staff club conducts various activities for the welfare of the staff, including fundraising for staff affected during floods, organizing staff tours, and celebrating festivals like Onam and Christmas.
5. **Leave Policies:** The college provides casual leave and medical leave for all its employees as per the institute's policy.
6. **Employee Provident Fund:** Staff members are enrolled in the Employee Provident Fund upon joining the college.
7. **Gratuity:** Staff members who have completed 5 years of service are eligible for service gratuity at the rate of half a month's salary for every completed year.
8. **ESIC Scheme:** This facility is provided to all employees with a gross salary of 21,000 per month or less.
9. **Canteen Facility:** The college offers a canteen facility to provide quality food to all.

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

0

File Description	Documents
Upload any additional information	No File Uploaded
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

9

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	No File Uploaded
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

143

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	No File Uploaded
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

Universal Engineering College (UEC) maintains a comprehensive performance appraisal system for its teaching and non-teaching staff, ensuring continuous improvement and professional growth. The key components of this system are:

1. **Self-Appraisal:** Staff members submit their self-appraisal reports based on individual assessments to their respective Heads of Department (HODs) every academic year. HODs, in turn, submit their self-appraisals to the Principal at the end of each year.
2. **Evaluation Criteria:** The performance appraisal is divided into three major categories:
 - Evaluation by the Principal based on Self-Appraisal: 20 points
 - Evaluation by the HOD based on Self-Appraisal: 45 points
 - Evaluation by Faculty based on feedback: 135 points
3. **Student Feedback System:** UEC employs the AMS system to evaluate the teaching-learning process. Students evaluate teacher performance based on factors such as knowledge, understandability, explanation, willingness to help, punctuality, behavior, and sincerity. The overall performance is evaluated for a grade point out of 10.
4. **Performance Improvement:** The head of the institution provides comments to improve the performance of any teacher with a low index response.

This robust performance appraisal system ensures that UEC continually strives for excellence in its teaching and non-teaching staff, fostering an environment of continuous learning and improvement.

File Description	Documents
Paste link for additional information	http://naac.uec.ac.in/AQAR_23/6/sample_copy_of_self_appraisal_form.pdf
Upload any additional information	No File Uploaded

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

Universal Engineering College (UEC) is a self-financing institution that relies on its own sources of financing for its successful operation. Regular internal and external financial audits are integral to our financial management system:

1. **External Audit:** External audits are conducted to verify compliance with various authorities such as the university, AICTE, government, local authorities, and the income tax department. The aspects covered under these audits include:
 - Voucher Checking
 - Bank balance verification and physical cash
 - Banker reconciliation
 - Purchases
 - Miscellaneous expenses

These audits ensure transparency, accountability, and effective financial management at UEC. They also help us identify areas for improvement and implement necessary changes to enhance our financial operations. This commitment to rigorous financial auditing underpins our dedication to maintaining the highest standards of financial integrity.

File Description	Documents
Paste link for additional information	http://naac.uec.ac.in/AQAR_23/4/Audit_Statement.pdf
Upload any additional information	No File Uploaded

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)

0

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

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

Universal Engineering College (UEC) employs a multi-faceted strategy for the mobilisation of funds and optimal utilisation of resources:

1. **Student Fees:** The primary source of income for running the college is the fees collected from students. This income also supports the procurement of equipment and infrastructure development.
2. **Consultancy Services:** UEC extends consultancy services to various agencies, generating additional income through consultancy fees.
3. **Online Examination Facilities:** UEC provides online examination facilities, which serve as another source of income supplementing the main sources.
4. **Capital from Promoter:** Universal Education Trust, the promoter of UEC, has contributed the entire investment for developing the infrastructure of the institution.

These strategies ensure the effective and smooth running of UEC, demonstrating our commitment to financial sustainability and resource optimisation. We continue to explore new avenues for fund mobilisation and strive for the most efficient use of our resources.

File Description	Documents
Paste link for additional information	http://naac.uec.ac.in/AQAR_23/4/Audit_Statement.pdf
Upload any additional information	No File Uploaded

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

1. **Performance of Activities:** IQAC ensures the prompt and efficient execution of academic, non-academic, and administrative activities.

2. **Quality Academic/Research Programs:** IQAC prompts the implementation of quality academic and research programs.

3. **Modern Teaching and Learning Methods:** IQAC integrates modern methods in the teaching and learning process with a student-centric approach.

4. **Quality and Credibility of Assessment:** IQAC ensures the quality and credibility of the assessment and education process.

5. **Quality Assurance Policy:** IQAC ensures that the quality policy set by the institution for the staff and students is fulfilled.

6. **Program Monitoring and Review:** IQAC monitors and reviews all programs and achievements periodically, providing suggestions for conducting programs that lead to the

improvement of quality education.

7. **Student Assessment and Monitoring:** IQAC decides the mechanisms for internal assessment and makes timely modifications to ensure the quality and transparency in the evaluation

process.

8. **Faculty Motivation:** IQAC takes timely measures to motivate and assist the faculty in improving their technical skills and in using modern tools in the teaching-learning process.

9. **Learning Resources for Students:** IQAC ensures that adequate and

appropriate resources.

10. Feedback Mechanism: IQAC collects and analyzes feedback from stakeholders regarding the quality of all institutional initiatives.

File Description	Documents
Paste link for additional information	http://naac.uec.ac.in/AQAR_23/1/Annual_Report_22_23_UEC.pdf
Upload any additional information	No File Uploaded

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

Effective plans for improvement from time to time:

The academic performance of students is evaluated at department level course and class committee meetings and special attention and care is given to slow learners to catch up with the average students. Quality of teaching is ensured with the help of data collected from the feedback of students and other stakeholders. The COs, PSOs and PEOs are assessed and necessary corrections, if any, are implemented. The evaluation of other quality enhancement and quality sustenance programmes are monitored by the respective organizing bodies and the effectiveness is evaluated by IQAC and Academic Council.

Research activities of the faculty members and students are monitored and special efforts are taken to inculcate research culture in the institute. Special efforts are taken to improve the soft skills and analytical skills of students to improve their level of employability.

Initiatives includes: quality development Programs for teaching and non teaching staff, NBA accreditation activities, , Student induction program, Activities of teaching learning center, professional society Activities (IEEE, ISHRAE, ASME, SAEINDIA, IGBC student chapter), Faculty Development program (FDP), Fruit garden, NSS and student promotion activities

File Description	Documents
Paste link for additional information	http://naac.uec.ac.in/AQAR_23/1/Annual_Report_22_23_UEC.pdf
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)

C. Any 2 of the above

File Description	Documents
Paste web link of Annual reports of Institution	http://naac.uec.ac.in/AQAR_23/1/Annual_Report_22_23_UEC.pdf
Upload e-copies of the accreditations and certifications	No File Uploaded
Upload any additional information	No File Uploaded
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

UEC has initiated several programs for sensitization to ensure equality for both sex in all aspects. initiatives include: Internal Complaints Committee of the institution is constituted with a senior lady member as presiding officer, other members from departments and two girl students as representatives.

In order to ensure privacy for girl students for their specific needs separate common rooms, wash rooms/toilets and facilities for doing prayer etc are provided in the college.

Separate ladies hostel and special service by ladies are provided in the canteen are intended to ensure privacy and security of girl students.

JWALA - Women's Cell of UEC conducted programs for the empowerment of girl students. To safeguard the rights and legal rights of women JWALA conducted women safety and Government policies, Institute celebrates International Women's Day with programs such as SheTalk, SHERoes. Focus on the technical empowerment of girl students JWALA conducted technical workshops on "ATL Gaming Technology". To increase awareness of lady teachers, staff and students about the facilities, provisions and priority in certain area, JWALA organizes classes of experts, cultural programs for ladies which will guide them to enhance their carrier. To equips our ladies in the institute to make life-determining decisions through the different societal problems JWALA conducted seminar on "Stress Management Therapy".

File Description	Documents
Annual gender sensitization action plan	https://uec.ac.in/womens-cell/
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	http://naac.uec.ac.in/AOAR_23/7/7.1.1.docx

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

E. None of the above

File Description	Documents
Geo tagged Photographs	No File Uploaded
Any other relevant information	No File Uploaded

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

The staffs and students can enjoy the nature intimately in the campus, as the college is situated in a village with paddy fields. A committed team of gardeners and sweepers take care of lawns, plantings and the garden to maintain a pleasant environment. of the college underpins its commitment towards environmental protection. The greenery in the campus before 10 years and at current makes it clear about the measures that we had taken.

E-WASTE MANAGEMENT AND WASTE RECYCLING Computers, lab equipment, electronic devices, sound systems and chargers are recyclable, yet they can also be the most dangerous materials dumped inside a landfill, according to the Environmental Protection Agency. E-waste materials are collected and handed over to external agencies

File Description	Documents
Relevant documents like agreements / MoUs with Government and other approved agencies	No File Uploaded
Geo tagged photographs of the facilities	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 D. Any 1 of the above

File Description	Documents
Geo tagged photographs / videos of the facilities	View File
Any other relevant information	No File Uploaded

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

File Description	Documents
Geo tagged photos / videos of the facilities	View File
Various policy documents / decisions circulated for implementation	No File Uploaded
Any other relevant documents	No File Uploaded

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

D. Any 1 of the above

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

7.1.7 - The Institution has disabled-friendly, barrier free environment Built environment 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	No File Uploaded

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).

UEC has always been taking care of promoting harmony in the center of various diversities based on religions, caste, financial capabilities and regional differences. In cultural activities and arts festivals everyone can observe performance or programs widespread in different communities.

The college facilitates students and teachers from different communities to celebrate their respective festivals or other religiously important dates.

Celebrating different community festivals in the institute indicating high level of tolerance in the campus. Though hailing from different geographies or linguistic areas students and teachers behaves with full understanding and respect for each other. Irrespective of their community, students and staff join in celebration of festivals like Onam, Christmas, Eid etc.

Students from all levels of society are getting admission in UEC irrespective of their religion, caste, race, financial capability, gender or social status. Activities like study tours, internship, projects, cultural activities, sports are undertaken by mixed groups of boys and girls leaving no choice for gender discrimination, identification of students for conferences, internship, placement etc are all purely merit based without any discrimination of any nature.

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

In order to sensitize the students and teachers about the constitutional provisions UEC has been focusing on the following activities or areas. UEC has been strictly following the government directives with regards to reservation of seats to deprived groups of people like SC/ST, OBC /OEC, economically backward classes , differently abled etc. Concession in fees has also been extended to eligible students as per the government policy directives.

The college has a very effective anti ragging, disciplinary action, student Grievance Redressal Cell, Internal Complaint Committee, PTMA, staff club, UHV, NSS to ensure and sensitize social obligations.

In order to sensitize the students about the self-governing way of life and leadership attributes, the college follows strict procedures for election of students council. As a part of duties to the society and to improve and inculcate human values UEC students and teachers have always been extending timely and need based helping hand to people affected by natural calamities like flood, epidemics etc. UEC has always been celebrating commemorative days like Independence Day, Republic day to promote the spirit of patriotism, respect for national flag and ideals of the constitution.

File Description	Documents
Details of activities that inculcate values; necessary to render students in to responsible citizens	http://naac.uec.ac.in/AQAR_23/5/Anti_Ragg.pdf
Any other relevant information	Nil

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

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

UEC facilitates students and teachers from different communities to celebrate their respective festivals or other religiously important dates. The various days celebrated by our institution are: Environment Day is being celebrated on 5th of June at the campus of UEC. UEC celebrates the Independence Day on 15th of August every year. UEC students celebrate 'Teachers Day' On September 5th of every year. UEC observe Kerala Piravi on November 1st with different activities in the college premises. Every year on January 1st, students and staffs of UEC celebrate New Year day. UEC celebrate the Republic day on 26th January. Every year, as the part of this day, the flag hoisting ceremony is being observed in our campus. UEC celebrates international women's day at the campus on March 8th. Various entertaining programs and invited talks are being arranged in connection with this celebration. September 15th the birth day of Sir M Visvesvaraya is observed as 'Engineers Day' on which invited talks are conducted. All important festivals such as Onam, Christmas, Eid are celebrated with the full participation of staff and students of UEC. UEC is giving due importance to

international Sports day with various activities.

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.

SPEAC (Students Performance Enhancement And Assessment Committee)

1. SPEAC introduced a weekly monitoring system which will help in the continuous evaluation of students. Weekly report and Meeting minutes were prepared and submitted.

2. Weekly report prepared by the department was audited and the report was submitted to the principal.

3. For the upcoming University result improvement , SPEAC have done a thorough University result analysis till Fifth semester results. From this analysis SPEAC have handpicked selected students from final semester and recommended principal

4. SPEAC recommended principal to meet this student and motivate them to clear the backlogs.

5. A subject-wise List of students who require special attention for clearing backlogs was created and submitted to principal.

6. A backlog clearance special classes were arranged in the evenings for the students with back papers.

REVAMP - Training and Placement cell initiated this event which focused on the mock interviews for final year students of all branches. The main aim is to provide opportunities for real world exposures to students and making them ready for industry.

REVIVE - The Internal Training Team of Universal Engineering

College presents before you the first of its kind Universal conducted an aptitude hunt series,

File Description	Documents
Best practices in the Institutional website	https://uec.ac.in/revamp/
Any other relevant information	https://uec.ac.in/spec-committee/

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

The efforts of UEC are unique and distinctive in outreach of the institution to the society, young generation aspiring for professional education, people affected by natural calamities and other common problems faced by the society at large. Some of the initiatives:

NSS Unit-: is acting as a catalyst to build up the right type of leadership in the institution. UEC has developed a strong NSS unit in the campus volunteering to go out to the society in times of emergency, natural calamities and other pressing needs of people. Highlights: Home for homeless, Blood donation, Anti-drug day Programme, Awareness on avoiding plastic, & women empowerment

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

1. The university regularly updates the curriculum for PG and UG programs. To keep students industry-ready, we ensure they are updated with the latest changes and trends in technologies.
2. The DAC meets regularly to discuss the curriculum, identify gaps in the syllabus, and devise measures to equip students with changing challenges. Suggestions from class representatives, students, employees, and alumni are placed before the DAC for discussion.
3. IQAC prepares a college level academic calendar in line with university academic calendar.
4. Subject allocation is done by considering faculty specialization, experience, and workload for the forthcoming semester.
5. A teaching plan for each course is prepared by the corresponding faculty.
6. Feedback on course delivery is taken from all students and also through the course/class committee twice in a semester. This feedback is communicated to the corresponding faculty, and corrective measures are taken, forming an integral part of curriculum implementation.
7. UEC's Academic Management System (AMS) is used for uploading all activities of each course, including timetable, proposed and actual course plan, attendance, and internal assessment marks.
8. Faculty members served as various academic positions such as member on the board of studies, doctoral committees, resource persons, reviewers, university for setting question papers and observers.

File Description	Documents
Upload relevant supporting document	View File
Link for Additional information	https://uec.ac.in/academic-heads/

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

During the academic year, the Institute has strictly adhered to the academic calendar set forth by the KTU.

Course/Class committees including faculty and student representatives are formed in accordance with university norms. The academic calendar and class timetable are circulated to students at the beginning of each semester, enabling them to plan their academics effectively. Course plans are prepared and are verified and approved by the head of the department.

The course delivery is monitored at various levels, with student feedback taken twice in a semester. The Course/Class committee discusses the pace and effectiveness of course delivery, and the performance of students in the internal assessment is monitored and action taken were noted. Internal evaluation of theory courses will be evaluated by a scrutiny committee constituted in the department. Internal marks are published by considering series marks, assignment marks, and attendance.

Students must secure/attain the minimum internal marks prescribed by the university (KTU 2015 scheme) for the eligibility for appearing in final examinations. In addition students are required to obtain activity points through participation in co-curricular and extracurricular activities. Institute has made efforts to enhance the academic processes based on feedback and evaluations

File Description	Documents
Upload relevant supporting document	View File
Link for Additional information	http://naac.uec.ac.in/AQAR_23/1/Sample_Course_File.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	C. Any 2 of the above
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File Description	Documents
Details of participation of teachers in various bodies/activities provided as a response to the metric	View File
Any additional information	View File

1.2 - Academic Flexibility
1.2.1 - Number of Programmes in which Choice Based Credit System (CBCS)/ elective course system has been implemented
1.2.1.1 - Number of Programmes in which CBCS/ Elective course system implemented
7

File Description	Documents
Any additional information	No File Uploaded
Minutes of relevant Academic Council/ BOS meetings	View File
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

304

File Description	Documents
Any additional information	No File Uploaded
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**

UEC continues to uphold its commitment to integrating cross cutting issues relevant to Professional Ethics, Gender, Human Values, Environment, and Sustainability into the Curriculum. The university maintains mixed classrooms and department rooms, ensuring no gender discrimination.

The Anti-ragging cell, Women's cell, and Student Grievance Redressal Committee addresses any gender issues. UEC conducts tour programs and industrial visits every year, with equal participation from boys and girls. Equal importance is given to both genders when preparing class hours, projects, and practical facilities each semester.

In the past year, the Women's cell of UEC, "JWALA," has conducted several programs:

1. A talk on "Women Safety and Government Policies"
2. International Women's Day celebration
3. A session on Stress Management Therapy
4. A technical workshop for women on "ATL Gaming Solutions"
5. A Seminar on "Women and Rights"

These initiatives have further strengthened our commitment to gender equality. The NSS unit of UEC has also conducted blood donation camps, reflecting our commitment to community service.

In conclusion, UEC continues to integrate crosscutting issues into its curriculum and campus life, fostering an environment of equality, sustainability, and social responsibility.

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

39

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	View File
MoU's with relevant organizations for these courses, if any	No File Uploaded
Institutional Data in Prescribed Format	View File

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

810

File Description	Documents
Any additional information	No File Uploaded
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**

B. Any 3 of the above

File Description	Documents
URL for stakeholder feedback report	http://naac.uec.ac.in/AOAR_23/1/Sample_Student_Feedback_AMS.pdf
Action taken report of the Institution on feedback report as stated in the minutes of the Governing Council, Syndicate, Board of Management	No File Uploaded
Any additional information	View File

1.4.2 - Feedback process of the Institution may be classified as follows

B. Feedback collected, analyzed and action has been taken

File Description	Documents
Upload any additional information	View File
URL for feedback report	http://naac.uec.ac.in/AOAR_23/1/Sample_Student_Feedback_AMS.pdf

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 students admitted during the year

226

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

30

File Description	Documents
Any additional information	No File Uploaded
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

Institution has been steadfast in its commitment to support students from diverse backgrounds, particularly those from economically backward families. Student Performance Enhancement and Counselling (SPEAC) cell has been instrumental in identifying slow learners. For slow learners, remedial measures are suggested, while advanced learners are provided with add-on courses, minor programs, entrepreneurship-related activities.

In the past year, SPEAC has initiated a weekly activity program. Teachers assign activities to students on a daily basis, and class tutors collect these activity reports from each teacher. These reports are then consolidated and submitted to the HoD. For pre-admission students, the institution continues to provide classes in maths, chemistry, physics, and communication to improve the learning level of students.

During the induction program, for the first year group discussions, debates, familiarising of science subjects were conducted. These sessions, which involve numerous group activities, help the teachers assess the learning level of the students. Feedback from subject teachers are used to identify the advanced learners and slow learners in the higher semesters. Through mentoring, the learning ability of the mentees is identified by the mentors, based on their academic performance, social and psychological aspects, and behaviour. Remedial classes are provided for the students

File Description	Documents
Paste link for additional information	https://uec.ac.in/spec-committee/
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
985	95

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

1. **ICT Enabled Teaching:** Faculty members have continued to use ICT-enabled teaching methodologies across all courses. The ICT enabled facility, SDPK Lab, equipped with interactive screen, mic, speakers.

2. **Academic Calendar:** UEC has been publishing an academic calendar in line with the KTU academic calendar.

3. **Multimedia Teaching Aids:** Every department is equipped with multimedia teaching aids like LCD projectors. These tools have been extensively used in seminars, guest lectures on core subjects, and other industry-relevant topics.

4. **Industrial Training and Internships:** UEC has been promoting students to participate in industrial training and internships. This has been done to provide students with industry exposure.

5. **Innovative Projects:** The IEDC club of UEC has been encouraging students to undertake innovative projects. They have also been motivating them to participate in project competitions and idea pitching organized by other institutions.

6. **Technical Festivals:** UEC has organized several technical festivals to showcase the technical talent of students.

7. **SDPK Initiative:** The SDPK initiative has been introducing industry-relevant employability skill training programs to students.

8. **Library Resources:** The library has a sufficient number of books and e-journals. The e-library facility has also been made available to students.

File Description	Documents
Upload any additional information	View File
Link for additional information	https://uec.ac.in/iedc/

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

1. Seminar Halls and Computer Lab: UEC has two seminar halls and one computer lab, all equipped with multimedia facilities.

2. Classrooms with ICT Facilities: In every block, classrooms equipped with ICT facilities are available. These have been instrumental in facilitating effective teaching and learning.

3. Library Resources: The library has subscribed to a number of e-journals in the fields of Engineering, Science, and Management. A sufficient number of e-books & e-journals are available in the library.

4. SDPK Initiative: The SDPK initiative, implemented through KSITL and ICTAK, has continued to introduce industry-relevant employability skills training programs to Engineering students across the state. The SDPK lab, equipped with ICT-enabled tools worth Rs.17 Lakhs funded by the Government of Kerala, has been a significant addition to our resources.

5. ICT Enabled Tools in SDPK Lab: The SDPK Lab is equipped with advanced tools like interactive screen, speaker, tracker camera, ceiling mic. Telepresence: Telepresence, which uses high-definition equipment to replicate face-to-face communication virtually, has been used extensively. The interactive system uses a video call incorporating multiple cameras, touch-enabled screen, directional speakers, and microphones.

File Description	Documents
Upload any additional information	No File Uploaded
Provide link for webpage describing the ICT enabled tools for effective teaching-learning process	View File

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**

73

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

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

95

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	View File

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**

10

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

5

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.

1. **Academic Calendar:** UEC prepares the academic calendar in line with the KTU academiccalendar. This calendar charts the specific dates for the completion ofsyllabus coverage, and the conduct of Continuous Assessments (CA's) for theoryand laboratory.

2. **Internal Examinations:**Internal examinations are conducted by the institution strictly as per thefrequency and schedule prescribed by the university.

3. **Question Paper Preparation and Verification:** 2 sets of question papers are prepared by the faculty. Thesequestion papers are scrutinized and verified by a committee comprising ofsubject expert, and HoD to ensure the quality of the question paper.

4.**Valuation Scheme:** A valuation scheme isshared with the students, so that they have clarity on the marks awarded to

them.

5.Publication of Internal Marks: Internal marks scored by the students as well as the finalinternals are published on the notice board.

6.Awarding of Internal Marks:. After finalizing the internal marks, the same is published onthe notice board and shared with the students. At the end of the semester,marks scored by the student are uploaded to the AMS and the KTU Universityportal.

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

Over the past year, UEC has continued to uphold its commitment to a transparent, time-bound, and efficient internal evaluation system. Institute has conducted two series tests, in addition to tutorials and assignments, to evaluate the academic progress of our students. The College Student's Grievance and Redressal Committee, comprising the senior-most member of the institution as convener, student and faculty members from each department.

Students have been encouraged to approach their respective faculty or mentor for any complaints or grievances related to valuation. In the class and course committee meetings, students have had the opportunity to share their grievances with the tutor, faculties, and HoD. Complaints received based on university examinations, certificates, schedule of valuation, and mark sheets have been addressed at the University level and monitored through proper channels to ensure a satisfactory outcome. In cases where the re-valuation mark is lesser than the original marks, the original marks have been retained. The result of re-valuation is announced promptly after the request from the student.

In conclusion, UEC has strived to maintain a transparent, efficient, and time-bound mechanism to deal with internal and external examination-related grievances, thereby ensuring the academic integrity and welfare of our students.

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

2.6 - Student Performance and Learning Outcomes

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

In the past year, UEC has continued to uphold its commitment to clearly stating and displaying the programme and course outcomes for all programmes offered by the institution. The vision and mission of the institution and the department continue to serve as the primary basis for framing the Programme Educational Objectives (PEOs) by the Department Advisory Board (DAB).

Based on OBE ,12 Programme Outcomes (POs) for each programme have been diligently followed. These POs, representing the skills and knowledge of the students, are attained and demonstrated through a combination of course components and Course Outcomes (COs).

COs are formulated foreach subject by the respective teaching member during the time of subjectallocation, before the beginning of the academic sessions. These COs helpstudents understand the purpose of learning the course and identify what theywill be capable of doing at the end of the course.

Before thecommencement of each semester, the Department Academic Council, consisting ofthe HoD, Course and Module Coordinator, and senior faculty members, analysesthe COs.

Feedback is conductedfor the improvement of the subject, and remedial measures are taken based onthe feedback received.

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

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

In 2019 scheme, university had included CO's for every course in the syllabus. However faculty handling respective subjects are encouraged to add more CO's if required. The prepared CO's are verified by department advisory board and approved. Then the CO's are to be mapped with PO's. CO PO attainment are calculated based on the internal assessment and university exams. The institution conduct workshop on outcome based education regularly to make the faculty aware about outcome based education. Attainment of programme outcomes (POs) program specific outcomes. Evaluation of PO's and PSO's are based on the direct and indirect assessment tools. The direct attainment calculation of PO's and PSO's are based on the CO attainment obtained from university examination and internal assessment.

File Description	Documents
Upload any additional information	View File
Paste link for Additional information	http://naac.uec.ac.in/AOAR_23/2/2.6.2.PNG

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

225

File Description	Documents
Upload list of Programmes and number of students passed and appeared in the final year examination (Data Template)	View File
Upload any additional information	View File
Paste link for the annual report	http://naac.uec.ac.in/AQAR_23/1/Annual_Report_22_23_UEC.pdf

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)

http://naac.uec.ac.in/AQAR_23/2/Student_Satisfaction_Survey.pdf

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)

0.6

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

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

3.1.2.1 - Number of teachers recognized as research guides

1

File Description	Documents
Any additional information	No File Uploaded
Institutional data in prescribed format	View File

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

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

1

File Description	Documents
List of research projects and funding details (Data Template)	View File
Any additional information	No File Uploaded
Supporting document from Funding Agency	No File Uploaded
Paste link to funding agency website	Nil

3.2 - Innovation Ecosystem

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

IEDC & IIC of UEC aims at inspiring & motivating the students to come up with innovative ideas that may lead them to become entrepreneurs. UEC always promotes the students to think and learn from out of the box and make them capable of developing their innovative ideas into reality. This is achieved by organising various activities/ workshops. Mentorship of Kerala Start Up Mission also plays a vital role in it, also the students are encouraged to participate in the contexts / events organised by various institutions, professional bodies & non-government organisations etc. this will aid the students in obtaining the necessary funds to develop their prototype, to obtain external mentoring & support & also to meet peoples of same interest.

Students also holds various official positions in IEDC & IIC. This will help them to improve their leadership qualities, in

addition to the entrepreneurship skills acquired from various activities put forward by IEDC & IIC.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://uec.ac.in/iedc/

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

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

4

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

3.3 - Research Publications and Awards

3.3.1 - Number of Ph.Ds registered per eligible teacher during the year

3.3.1.1 - How many Ph.Ds registered per eligible teacher within the year

0

File Description	Documents
URL to the research page on HEI website	Nil
List of PhD scholars and their details like name of the guide , title of thesis, year of award etc (Data Template)	View File
Any additional information	No File Uploaded

3.3.2 - Number of research papers per teachers in the Journals notified on UGC website during the year

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

year	
15	
File Description	Documents
Any additional information	No File Uploaded
List of research papers by title, author, department, name and year of publication (Data Template)	View File
3.3.3 - Number of books and chapters in edited volumes/books published and papers published in national/ international conference proceedings per teacher during the year	
3.3.3.1 - Total number of books and chapters in edited volumes/books published and papers in national/ international conference proceedings year wise during year	
2	
File Description	Documents
Any additional information	No File Uploaded
List books and chapters edited volumes/ books published (Data Template)	View File
3.4 - Extension Activities	
3.4.1 - Extension activities are carried out in the neighborhood community, sensitizing students to social issues, for their holistic development, and impact thereof during the year	
<p>The National Service Scheme (NSS) at UEC has been instrumental in carrying out various extension activities in the neighbourhood community, sensitizing students to social issues, and contributing to their holistic development. Here are some of the key activities conducted during the year:</p> <p>1. Health and Safety: Activities like 'Helmetawareness program' were organized to promote health and safety in the community.</p> <p>2. Environmental Consciousness: Events like 'International plastic bag free day, Clean campus beautiful campus and a visit by an 'Energy conservation vehicle' were conducted to foster environmental consciousness among students.</p> <p>3. Cultural and National Celebrations: The NSS celebrated 'Mother's Day', 'International Nurses day', 'Yoga Day',</p>	

'Independence Day', 'Teachers Day', 'NSS Day', and 'International Peace day'. These celebrations helped students understand the importance of cultural diversity and national unity.

4. Community Service: The 'Blood Donation Camp', 'Pothichoru Distribution', and 'Training on soap making' were significant community service initiatives that instilled a sense of social responsibility in students.

5. NSS Volunteer Selection 2022-2023: This event was crucial in bringing in fresh perspectives and energy into the NSS activities.

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

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

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

1

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	No File Uploaded

3.4.3 - 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

3.4.3.1 - 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

38

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 during the year (Data Template)	View File

3.4.4 - Number of students participating in extension activities at 3.4.3. above during year

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

1284

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

3.5 - Collaboration

3.5.1 - Number of Collaborative activities for research, Faculty exchange, Student exchange/ internship during the year

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

368

File Description	Documents
e-copies of related Document	View File
Any additional information	No File Uploaded
Details of Collaborative activities with institutions/industries for research, Faculty	View File

3.5.2 - Number of functional MoUs with institutions, other universities, industries, corporate houses etc. during the year

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

11

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

INFRASTRUCTURE AND LEARNING RESOURCES

4.1 - Physical Facilities

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

The institution continues to maintain and enhance its infrastructure and physical facilities for teaching-learning. The campus comprises five academic blocks (main block, A, B, lab block, and lab annex) and one non-academic block.

The institution has infrastructural facilities for conducting placement drives, rooms for IEDC, NSS, and ENCON CLUB. All laboratory facilities prescribed by the university are available and are well-maintained by the respective parent departments.

In addition to the prescribed laboratory facilities, the institution has a facility set up by the Skill Development Platform Kerala (SDPK). This facility, equipped with an interactive display, audio system, sound-sensing camera, and mic, facilitates online interactive sessions for students.

The Civil Engineering department offers consultancy work for testing building materials and checking water quality. The institution is equipped with seven scanning machines, 46 printers, and fax facilities. To ensure a reliable power supply, an 80 KVA diesel generator set is installed for campus load and the girls hostel.

For an interactive mode of teaching-learning process, the institution has ICT-enabled smart classroom facilities. There are two open wells, one exclusively for the girls hostel and the other for the college, gardening, and landscaping area.

Water filters and coolers are available in all floors.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	http://naac.uec.ac.in/AOAR_23/4/uec_facilities_at_a_glance.pdf

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

The institution continues to provide ample facilities for nurturing sports, cultural activities, and indoor and outdoor games. The Physical Education Department of the college oversees all sports facilities and organizes inter-college tournaments and annual meets to foster sports skills, team spirit, and leadership qualities among students.

The sports facilities include a kabaddi court (13m²x8m²), a shuttle and badminton court (13.4m²x6.1m²), a volleyball court (18m²x9m²), and a football court (90m²x50m²). The Physical Education Department pays special attention to maintaining the mental health of individuals in the sports team.

Tournaments such as zonal and inter-zone volleyball, cricket, football, basketball, and badminton are conducted through the Physical Education Department with support from the management. Team selection is done regularly for each sports item, and players are given special coaching to improve their skills and talents.

The institution conducts a cultural fest every year, incorporating various forms of arts to showcase the talents of students. Students are also given opportunities to participate in the celebration of festivals and commemorative days like Christmas, Onam, and other festivals.

In conclusion, the institution continues to provide adequate facilities for cultural activities, sports, games (indoor,

outdoor), thereby fostering a holistic development environment for students.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	http://naac.uec.ac.in/AOAR_23/4/Sports_facility.pdf

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

8

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

17.64

File Description	Documents
Upload any additional information	View File
Upload audited utilization statements	No File Uploaded
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)

The Central Library of Universal Engineering College continues to be fully automated using the Integrated Library Management System (ILMS) software, KOHA. The current version is 3.12, and the automation was implemented in 2012.

The library, spread over 400m², houses a collection of 18150 textbooks, 2560 Reference Books, 52 National journals, 2 International journals and 100+ e-journals from both Indian and foreign authors through delnet. It is conveniently located in the main block and can accommodate 50 members. The digital library has 10 systems with an internet access speed of 100 Mbps.

To facilitate book searches, the Dewey Decimal Classification system is followed. The library membership is open to all teaching and non-teaching staff and students, who can access newspapers and university question papers. A special space is allocated for reference books.

In conclusion, the institution continues to maintain and upgrade its library facilities, ensuring a conducive environment for learning and research.

File Description	Documents
Upload any additional information	View File
Paste link for Additional Information	https://uec.ac.in/library/

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	View File
Details of subscriptions like e-journals, e-ShodhSindhu, Shodhganga Membership etc (Data Template)	View File

4.2.3 - Expenditure for purchase of books/e-books and subscription to journals/e-journals during the year (INR in Lakhs)

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

2.06

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

25

File Description	Documents
Any additional information	No File Uploaded
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 Engineering College (UEC) continues to maintain and frequently update its IT facilities, including Wi-Fi. The Electronic Circuit Lab consists of 10 systems, each with an INTEL DUAL CORE 3.10 GHZ processor, 2 GB RAM, and a 500 GB HDD. The Digital Library has 21 computers, each with an INTEL DUAL CORE i3 3.10 GHZ processor, 4 GB RAM, and a 500 GB HDD. The entire campus is Wi-Fi enabled with 20 access points, ensuring seamless internet connectivity for all students and staff.

The advanced programming lab of CSE department has 60 computers, each configured with an Intel Core I3 , 16GB RAM, and 500GB & 320GB HDD. The Civil Engineering Department's CAD lab has 41 computers. Similarly, the Mechanical Engineering Department's CAD lab has 41 computers with latest

configuration.

The Computer Science Engineering Department has a Free and Open source software lab with 41 computers, each equipped with good configuration systems. The Electronics and Communication Department's VLSI Lab has 10 computers, each with an INTEL DUAL CORE 3.10 GHZ processor, 2 GB RAM, and a 500 GB HDD. The Electrical and Electronics Engineering Department's Advanced Electrical Engineering Lab has 20 computers.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	http://naac.uec.ac.in/AOAR_23/4/Audit_Statement.pdf

4.3.2 - Number of Computers

272

File Description	Documents
Upload any additional information	No File Uploaded
List of Computers	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)

9.27414

File Description	Documents
Upload any additional information	View File
Audited statements of accounts	No File Uploaded
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.

The institution is situated on a 10-acre landscape in a rural area, with well-constructed buildings and facilities. Our smart classrooms, furnished with adequate furniture, LCD projectors, and internet connectivity, facilitate effective teaching and learning.

UEC boasts of comprehensive lab facilities, each managed and maintained by a faculty in charge and a technical assistant. These labs, equipped with computers and printers, are utilized by students for their lab activities and UG/PG project works.

The entire campus is Wi-Fi enabled, providing seamless internet access to all staff members and students. Our central library houses over 15,000 volumes and 5,075 titles. The digital library can be accessed by staff and students to read and access e-books and e-journals. Department libraries are also available for students.

The Department of Physical Education provides facilities for indoor and outdoor games. These facilities are utilized by students and staff members to participate in inter-college games and sports competitions.

- Water coolers and mineral water bottles for clean and potable drinking water.
- Fire-fighting system for fire safety.
- Canteens offering both vegetarian and non-vegetarian food.
- Auditorium for conducting events.

- Tie-up with a hospital for any medical emergencies.

System administrator for addressing internet and networking problems.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	https://uec.ac.in/

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

64

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

0

File Description	Documents
Upload any additional information	No File Uploaded
Number of students benefited by scholarships and free ships institution / non- government agencies in last 5 years (Date Template)	View File

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

A. All of the above

File Description	Documents
Link to Institutional website	https://uec.ac.in/
Any additional information	No File Uploaded
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

17

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

17

File Description	Documents
Any additional information	No File Uploaded
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

A. All of the above

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

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	View File
Details of student grievances including sexual harassment and ragging cases	View File

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

85

File Description	Documents
Self-attested list of students placed	View File
Upload any additional information	No File Uploaded
Details of student placement during the year (Data Template)	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

13

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

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

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

4

File Description	Documents
Upload supporting data for the same	No File Uploaded
Any additional information	No File Uploaded
Number of students qualifying in state/ national/ international level examinations during the year (Data Template)	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	No File Uploaded
Any additional information	No File Uploaded
Number of awards/medals for outstanding performance in sports/cultural activities at university/state/national/international level (During the year) (Data Template)	View File

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

Students are integral to the activities of the Engineering departments' associations, organizing technical workshops, fests, exhibitions, and more under the association banner. Commemorative days are marked by activities organized by student associations and various clubs, fostering global awareness among our students. UEC students are given opportunities to interact with eminent personalities through various activities and programs organized by different clubs, associations, and initiatives. Most of these activities are student-planned and organized. Students are also part of the anti-ragging cell, Internal Complaints Cell, Student Grievances and Appeal Committee, students welfare committee, and Alumni. Through the class and course committee, student representatives provide feedback on course delivery, teaching pace, portion coverage, understanding level, and topics covered. This feedback mechanism enhances the efficiency of the teaching-learning process.

The college union, elected democratically, ensures representation from each class, including at least one female representative. The union plans and organizes various activities such as tech fests, arts fests, sports, outreach programs, technical talks, training, and other socially related activities. All activities or initiatives of the students' union are initially submitted to the staff advisor

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

82

File Description	Documents
Report of the event	No File Uploaded
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

The Universal Engineering College (UEC) Alumni Association, established in 2019, continues to uphold its commitment to fostering a robust relationship between the institution's stakeholders and its alumni. With over 300 active members, the association provides constant support and guidance, helping students secure better career opportunities.

The aims and objectives of the UEC Alumni Association remain steadfast:

1. **Strengthening Relationships:** The association continues to fortify the bond between alumni and the institution.
2. **Industry Awareness:** It provides current students with

insights into various industry activities.

3. **Institutional Growth:** The association keeps alumni informed about the college's growth and development.
4. **Promoting Activities:** It encourages social and cultural activities among former and current UEC students.
5. **Fundraising:** The association raises and administers funds for the development of society and the alma mater.
6. **Career Support:** It acts as a catalyst for passed-out students, helping them find job opportunities in line with their qualifications through the placement cell.

In conclusion, the UEC Alumni Association remains a registered entity that significantly contributes to the institution's development through financial and other support services. It continues to play a vital role in the institution's growth, reflecting its commitment to the welfare of both current students and alumni.

File Description	Documents
Paste link for additional information	https://uec.ac.in/alumni-association/
Upload any additional information	No File Uploaded

5.4.2 - Alumni contribution during the year (INR in Lakhs) E. <1Lakhs

File Description	Documents
Upload any additional information	No File Uploaded

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

The governance of Universal Engineering College (UEC), established in 2011, continues to align with its vision and mission.

Vision:

Provide excellent engineering education, imparting skill development and innovation ecosystem to create engineers that cater to the needs of the society with strong ethical values.

Mission:

1. Qualified faculty and intact infrastructure, bestow creative and innovative engineering education.
2. Equip the students with competent and cutting edge technologies.
3. Mould the students to meet the changing challenges with global outlook.
4. Inculcate moral and ethical values among students so as to serve the needs of the society

UEC strives to be an outstanding institution among its peers, aiming at delivering quality education and guidance to students, particularly focusing on the upliftment of the rural community. The governance of UEC remains reflective of and in tune with its vision and mission, ensuring that the institution's operations and initiatives align with these guiding principles. This alignment is evident in UEC's ongoing commitment to its vision and mission, as it continues to provide quality education and foster an environment conducive to learning and growth.

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

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

The effective leadership at Universal Engineering College (UEC) is evident in its various institutional practices that reflect decentralization and participative management.

1. **Uniform Dress Code:** UEC enforces a uniform dress code for students, including workshop coats and black shoes in all labs (except computer labs), ensuring student safety during lab hours.
2. **Discipline Monitoring:** The institution's authorities diligently monitor discipline among students and staff on campus.
3. **Strict Timings:** UEC adheres to strict class timings, attendance rules for students, and working hours for faculty and non-technical staff.
4. **Code of Conduct:** The institution has a prescribed strict code of conduct for students and staff within the campus.
5. **Parking Facilities:** UEC provides parking space for students' and staff's vehicles inside the campus.
6. **Safety and Discipline:** Safety rules, proper decorum, and punctuality are enforced in the laboratories. Strict discipline is maintained in the library. A matron/warden is posted in boys' and ladies' hostels to ensure safety and discipline.

Decentralization: UEC has formed various committees such as the IQAC, Academic Council, Placement Cell, and Examination Cell for decentralizing the activities of the institution.

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

6.2 - Strategy Development and Deployment

6.2.1 - The institutional Strategic/ perspective plan is effectively deployed

1. Planning and Direction: The IQAC of UEC plans and directs various clubs and departments to organize or attend events or activities.

2. Corrective Measures: The IQAC takes necessary corrective measures in all activities or initiatives of the institution,

clubs, associations, and cells to ensure all programs are intended to achieve the college's mission and vision in the long run.

3. **Mentoring and Skill Development:** Proper mentoring is provided to slow learners, and remedial classes are conducted to uplift them.

4. **Curriculum Enhancement:** Add-on courses are planned to fill gaps in the syllabus. Industrial training is provided to make students aware of the latest developments in the industries.

5. **Innovation and Entrepreneurship:** The IEDC motivates and mentors students to come up with innovative ideas.

6. **Outreach Programs:** Technical events and outreach programs are organized by the departments, clubs, or technical associations to enhance the students with career opportunities.

7. **Scholarships:** Scholarships are provided to economically weaker sections to uplift them.

8. **Monitoring:** All activities are monitored by the management, while the quality of the activities is monitored by the IQAC, and corrective measures are suggested if there is any deviation from the set plans.

File Description	Documents
Strategic Plan and deployment documents on the website	View File
Paste link for additional information	Nil
Upload any additional information	No File Uploaded

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.

The functioning of the institutional bodies at Universal Engineering College (UEC) continues to be effective and efficient, as demonstrated by the following practices:

1. **Policies:** UEC operates under the guidance of its own policies on various institutional functions, including the Academic Manual, Quality Policy, Quality Systems Manual, HR Policy,

Maintenance Policy, Admission Policy, Purchase Policy, and Bus Service Policy.

2. Administrative Setup: The highest body of the institution is the Board of Directors, which includes the Chairman, Chief Patron, Vice Chairman, Secretary, Treasurer, Joint Secretary, Executive Director, and Executive Members. The Governing Body and Academic Council meet regularly to discuss issues, update policies, and oversee various activities.

3. Principal's Role: The Principal supervises, directs, and controls academic-related functions, faculty, and students. The Principal oversees the Director of IQAC, UG/PG Dean, Heads of Departments, Head of Physical Education, Additional Chief Superintendent/Workshop Superintendent, Training & Placement Officer, Librarian, various Committee Coordinators, and Hostel Warden.

4. Administrative Coordinator's Role: The Administrative Coordinator controls all non-academic functions and the personnel responsible for those functions, including the Transport Officer, Office Assistant, HR Section, Students Section, Office Attendants, Maintenance Supervisor, Security, and Canteen/Cleaning Supervisor

File Description	Documents
Paste link for additional information	Nil
Link to Organogram of the institution webpage	http://naac.uec.ac.in/AQAR_23/6/uec_organogram.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

B. Any 3 of the above

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

6.3 - Faculty Empowerment Strategies

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

1. **Welfare Schemes:** UEC has effective welfare schemes for both teaching and non-teaching staff, ensuring a conducive work environment.
2. **Transportation and Accommodation:** UEC provides transportation facilities to all staff members and offers accommodation to those who opt for it.
3. **Internal Complaints Cell:** To ensure the security and dignity of women, UEC has an internal complaints cell to address any grievances.
4. **Staff Club:** UEC's staff club conducts various activities for the welfare of the staff, including fundraising for staff affected during floods, organizing staff tours, and celebrating festivals like Onam and Christmas.
5. **Leave Policies:** The college provides casual leave and medical leave for all its employees as per the institute's policy.
6. **Employee Provident Fund:** Staff members are enrolled in the Employee Provident Fund upon joining the college.
7. **Gratuity:** Staff members who have completed 5 years of service are eligible for service gratuity at the rate of half a month's salary for every completed year.

8. **ESIC Scheme:** This facility is provided to all employees with a gross salary of 21,000 per month or less.

9. **Canteen Facility:** The college offers a canteen facility to provide quality food to all.

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

0

File Description	Documents
Upload any additional information	No File Uploaded
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

9

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	No File Uploaded
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

143

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	No File Uploaded
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

Universal Engineering College (UEC) maintains a comprehensive performance appraisal system for its teaching and non-teaching staff, ensuring continuous improvement and professional growth.

The key components of this system are:

1. **Self-Appraisal:** Staff members submit their self-appraisal reports based on individual assessments to their respective Heads of Department (HODs) every academic year. HODs, in turn, submit their self-appraisals to the Principal at the end of each year.
2. **Evaluation Criteria:** The performance appraisal is divided into three major categories:
 - Evaluation by the Principal based on Self-Appraisal: 20 points
 - Evaluation by the HOD based on Self-Appraisal: 45 points
 - Evaluation by Faculty based on feedback: 135 points
3. **Student Feedback System:** UEC employs the AMS system to evaluate the teaching-learning process. Students evaluate teacher performance based on factors such as knowledge, understandability, explanation, willingness to help, punctuality, behavior, and sincerity. The overall performance is evaluated for a grade point out of 10.
4. **Performance Improvement:** The head of the institution provides comments to improve the performance of any teacher with a low index response.

This robust performance appraisal system ensures that UEC continually strives for excellence in its teaching and non-teaching staff, fostering an environment of continuous learning and improvement.

File Description	Documents
Paste link for additional information	http://naac.uec.ac.in/AOAR_23/6/sample_copy_of_self_appraisal_form.pdf
Upload any additional information	No File Uploaded

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

Universal Engineering College (UEC) is a self-financing institution that relies on its own sources of financing for its successful operation. Regular internal and external financial audits are integral to our financial management system:

1. **External Audit:** External audits are conducted to verify compliance with various authorities such as the university, AICTE, government, local authorities, and the income tax department. The aspects covered under these audits include:

- Voucher Checking
- Bank balance verification and physical cash
- Banker reconciliation
- Purchases
- Miscellaneous expenses

These audits ensure transparency, accountability, and effective financial management at UEC. They also help us identify areas for improvement and implement necessary changes to enhance our financial operations. This commitment to rigorous financial auditing underpins our dedication to maintaining the highest standards of financial integrity.

File Description	Documents
Paste link for additional information	http://naac.uec.ac.in/AQAR_23/4/Audit_Statement.pdf
Upload any additional information	No File Uploaded

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)

0

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

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

Universal Engineering College (UEC) employs a multi-faceted strategy for the mobilisation of funds and optimal utilisation of resources:

1. **Student Fees:** The primary source of income for running the college is the fees collected from students. This income also supports the procurement of equipment and infrastructure development.
2. **Consultancy Services:** UEC extends consultancy services to various agencies, generating additional income through consultancy fees.
3. **Online Examination Facilities:** UEC provides online examination facilities, which serve as another source of income supplementing the main sources.
4. **Capital from Promoter:** Universal Education Trust, the promoter of UEC, has contributed the entire investment for developing the infrastructure of the institution.

These strategies ensure the effective and smooth running of UEC, demonstrating our commitment to financial sustainability and resource optimisation. We continue to explore new avenues for fund mobilisation and strive for the most efficient use of our resources.

File Description	Documents
Paste link for additional information	http://naac.uec.ac.in/AOAR_23/4/Audit_Statement.pdf
Upload any additional information	No File Uploaded

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

1. **Performance of Activities:** IQAC ensures the prompt and efficient execution of academic, non-academic, and administrative activities.

2. **Quality Academic/Research Programs:** IQAC prompts the implementation of quality academic and research programs.

3. **Modern Teaching and Learning Methods:** IQAC integrates modern methods in the teaching and learning process with a student-centric approach.

4. **Quality and Credibility of Assessment:** IQAC ensures the quality and credibility of the assessment and education process.

5. **Quality Assurance Policy:** IQAC ensures that the quality policy set by the institution for the staff and students is fulfilled.

6. **Program Monitoring and Review:** IQAC monitors and reviews all programs and achievements periodically, providing suggestions for conducting programs that lead to the improvement of quality education.

7. **Student Assessment and Monitoring:** IQAC decides the mechanisms for internal assessment and makes timely modifications to ensure the quality and transparency in the evaluation process.

8. **Faculty Motivation:** IQAC takes timely measures to motivate and assist the faculty in improving their technical skills and

in using modern tools in the teaching-learning process.

9. Learning Resources for Students: IQAC ensures that adequate and appropriate resources.

10. Feedback Mechanism: IQAC collects and analyzes feedback from stakeholders regarding the quality of all institutional initiatives.

File Description	Documents
Paste link for additional information	http://naac.uec.ac.in/AQAR_23/1/Annual_Report_22_23_UEC.pdf
Upload any additional information	No File Uploaded

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

Effective plans for improvement from time to time:

The academic performance of students is evaluated at department level course and class committee meetings and special attention and care is given to slow learners to catch up with the average students. Quality of teaching is ensured with the help of data collected from the feedback of students and other stakeholders. The COs, PSOs and PEOs are assessed and necessary corrections, if any, are implemented. The evaluation of other quality enhancement and quality sustenance programmes are monitored by the respective organizing bodies and the effectiveness is evaluated by IQAC and Academic Council.

Research activities of the faculty members and students are monitored and special efforts are taken to inculcate research culture in the institute. Special efforts are taken to improve the soft skills and analytical skills of students to improve their level of employability.

Initiatives includes: quality development Programs for teaching and non teaching staff, NBA accreditation activities, , Student induction program, Activities of teaching learning center, professional society Activities (IEEE, ISHRAE, ASME, SAE INDIA, IGBC student chapter), Faculty Development program (FDP), Fruit garden, NSS and student promotion activities

File Description	Documents
Paste link for additional information	http://naac.uec.ac.in/AOAR_23/1/Annual_Report_22_23_UEC.pdf
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)

C. Any 2 of the above

File Description	Documents
Paste web link of Annual reports of Institution	http://naac.uec.ac.in/AOAR_23/1/Annual_Report_22_23_UEC.pdf
Upload e-copies of the accreditations and certifications	No File Uploaded
Upload any additional information	No File Uploaded
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

UEC has initiated several programs for sensitization to ensure equality for both sex in all aspects. initiatives include: Internal Complaints Committee of the institution is constituted with a senior lady member as presiding officer, other members from departments and two girl students as representatives.

In order to ensure privacy for girl students for their specific needs separate common rooms, wash rooms/toilets and facilities for doing prayer etc are provided in the college.

Separate ladies hostel and special service by ladies are provided in the canteen are intended to ensure privacy and security of girl students.

JWALA - Women's Cell of UEC conducted programs for the empowerment of girl students. To safeguard the rights and legal rights of women JWALA conducted women safety and Government policies, Institute celebrates International Women's Day with programs such as SheTalk, SHERoes. Focus on the technical empowerment of girl students JWALA conducted technical workshops on "ATL Gaming Technology". To increase awareness of lady teachers, staff and students about the facilities, provisions and priority in certain area, JWALA organizes classes of experts, cultural programs for ladies which will guide them to enhance their carrier. To equips our ladies in the institute to make life-determining decisions through the different societal problems JWALA conducted seminar on "Stress Management Therapy".

File Description	Documents
Annual gender sensitization action plan	https://uec.ac.in/womens-cell/
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	http://naac.uec.ac.in/AOAR_23/7/7.1.1.doc x

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

E. None of the above

File Description	Documents
Geo tagged Photographs	No File Uploaded
Any other relevant information	No File Uploaded

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

The staffs and students can enjoy the nature intimately in the campus, as the college is situated in a village with paddy fields. A committed team of gardeners and sweepers take care of lawns, plantings and the garden to maintain a pleasant environment. of the college underpins its commitment towards environmental protection. The greenery in the campus before 10 years and at current makes it clear about the measures that we had taken.

E-WASTE MANAGEMENT AND WASTE RECYCLING Computers, lab equipment, electronic devices, sound systems and chargers are recyclable, yet they can also be the most dangerous materials dumped inside a landfill, according to the Environmental Protection Agency. E-waste materials are collected and handed over to external agencies

File Description	Documents
Relevant documents like agreements / MoUs with Government and other approved agencies	No File Uploaded
Geo tagged photographs of the facilities	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

D. Any 1 of the above

File Description	Documents
Geo tagged photographs / videos of the facilities	View File
Any other relevant information	No File Uploaded

7.1.5 - Green campus initiatives include

7.1.5.1 - The institutional initiatives for

A. Any 4 or All of the above

<p>greening the campus are as follows:</p> <ol style="list-style-type: none"> 1. Restricted entry of automobiles 2. Use of bicycles/ Battery-powered vehicles 3. Pedestrian-friendly pathways 4. Ban on use of plastic 5. Landscaping 											
<table border="1"> <thead> <tr> <th data-bbox="86 501 533 577">File Description</th> <th data-bbox="533 501 1406 577">Documents</th> </tr> </thead> <tbody> <tr> <td data-bbox="86 577 533 680">Geo tagged photos / videos of the facilities</td> <td data-bbox="533 577 1406 680" style="text-align: center;">View File</td> </tr> <tr> <td data-bbox="86 680 533 819">Various policy documents / decisions circulated for implementation</td> <td data-bbox="533 680 1406 819" style="text-align: center;">No File Uploaded</td> </tr> <tr> <td data-bbox="86 819 533 887">Any other relevant documents</td> <td data-bbox="533 819 1406 887" style="text-align: center;">No File Uploaded</td> </tr> </tbody> </table>	File Description	Documents	Geo tagged photos / videos of the facilities	View File	Various policy documents / decisions circulated for implementation	No File Uploaded	Any other relevant documents	No File Uploaded			
File Description	Documents										
Geo tagged photos / videos of the facilities	View File										
Various policy documents / decisions circulated for implementation	No File Uploaded										
Any other relevant documents	No File Uploaded										
<p>7.1.6 - Quality audits on environment and energy are regularly undertaken by the institution</p>											
<p>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</p>	<p>D. Any 1 of the above</p>										
<table border="1"> <thead> <tr> <th data-bbox="86 1330 533 1406">File Description</th> <th data-bbox="533 1330 1406 1406">Documents</th> </tr> </thead> <tbody> <tr> <td data-bbox="86 1406 533 1545">Reports on environment and energy audits submitted by the auditing agency</td> <td data-bbox="533 1406 1406 1545" style="text-align: center;">No File Uploaded</td> </tr> <tr> <td data-bbox="86 1545 533 1648">Certification by the auditing agency</td> <td data-bbox="533 1545 1406 1648" style="text-align: center;">No File Uploaded</td> </tr> <tr> <td data-bbox="86 1648 533 1751">Certificates of the awards received</td> <td data-bbox="533 1648 1406 1751" style="text-align: center;">No File Uploaded</td> </tr> <tr> <td data-bbox="86 1751 533 1823">Any other relevant information</td> <td data-bbox="533 1751 1406 1823" style="text-align: center;">View File</td> </tr> </tbody> </table>	File Description	Documents	Reports on environment and energy audits submitted by the auditing agency	No File Uploaded	Certification by the auditing agency	No File Uploaded	Certificates of the awards received	No File Uploaded	Any other relevant information	View File	
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Certification by the auditing agency	No File Uploaded										
Certificates of the awards received	No File Uploaded										
Any other relevant information	View File										
<p>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,</p>	<p>A. Any 4 or all of the above</p>										

lights, display boards and signposts
Assistive technology and facilities for persons with disabilities (Divyangjan) accessible website, screen-reading software, mechanized equipment 5. Provision for enquiry and information : Human assistance, reader, scribe, soft copies of reading material, screen reading

File Description	Documents
Geo tagged photographs / videos of the facilities	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	No File Uploaded

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).

UEC has always been taking care of promoting harmony in the center of various diversities based on religions, caste, financial capabilities and regional differences. In cultural activities and arts festivals everyone can observe performance or programs widespread in different communities.

The college facilitates students and teachers from different communities to celebrate their respective festivals or other religiously important dates.

Celebrating different community festivals in the institute indicating high level of tolerance in the campus. Though hailing from different geographies or linguistic areas students and teachers behaves with full understanding and respect for each other. Irrespective of their community, students and staff join in celebration of festivals like Onam, Christmas, Eid etc.

Students from all levels of society are getting admission in UEC irrespective of their religion, caste, race, financial capability, gender or social status. Activities like study tours, internship, projects, cultural activities, sports are

undertaken by mixed groups of boys and girls leaving no choice for gender discrimination, identification of students for conferences, internship, placement etc are all purely merit based without any discrimination of any nature.

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

In order to sensitize the students and teachers about the constitutional provisions UEC has been focusing on the following activities or areas. UEC has been strictly following the government directives with regards to reservation of seats to deprived groups of people like SC/ST, OBC /OEC, economically backward classes , differently abled etc. Concession in fees has also been extended to eligible students as per the government policy directives.

The college has a very effective anti ragging, disciplinary action, student Grievance Redressal Cell, Internal Complaint Committee, PTMA, staff club, UHV, NSS to ensure and sensitize social obligations.

In order to sensitize the students about the self-governing way of life and leadership attributes, the college follows strict procedures for election of students council. As a part of duties to the society and to improve and inculcate human values UEC students and teachers have always been extending timely and need based helping hand to people affected by natural calamities like flood, epidemics etc. UEC has always been celebrating commemorative days like Independence Day, Republic day to promote the spirit of patriotism, respect for national flag and ideals of the constitution.

File Description	Documents
Details of activities that inculcate values; necessary to render students in to responsible citizens	http://naac.uec.ac.in/AQAR_23/5/Anti_Ragg.pdf
Any other relevant information	Nil

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

D. Any 1 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

UEC facilitates students and teachers from different communities to celebrate their respective festivals or other religiously important dates. The various days celebrated by our institution are: Environment Day is being celebrated on 5th of June at the campus of UEC. UEC celebrates the Independence Day on 15th of August every year. UEC students celebrate 'Teachers Day' On September 5th of every year. UEC observe Kerala Piravi on November 1st with different activities in the college

premises. Every year on January 1st, students and staffs of UEC celebrate New Year day. UEC celebrate the Republic day on 26th January. Every year, as the part of this day, the flag hoisting ceremony is being observed in our campus. UEC celebrates international women's day at the campus on March 8th. Various entertaining programs and invited talks are being arranged in connection with this celebration. September 15th the birth day of Sir M Visvesvaraya is observed as 'Engineers Day' on which invited talks are conducted. All important festivals such as Onam, Christmas, Eid are celebrated with the full participation of staff and students of UEC. UEC is giving due importance to international Sports day with various activities.

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.

SPEAC (Students Performance Enhancement And Assessment Committee)

1. SPEAC introduced a weekly monitoring system which will help in the continuous evaluation of students. Weekly report and Meeting minutes were prepared and submitted.

2. Weekly report prepared by the department was audited and the report was submitted to the principal.

3. For the upcoming University result improvement , SPEAC have done a thorough University result analysis till Fifth semester results. From this analysis SPEAC have handpicked selected students from final semester and recommended principal

4. SPEAC recommended principal to meet this student and motivate them to clear the backlogs.

5. A subject-wise List of students who require special attention for clearing backlogs was created and submitted to principal.

6. A backlog clearance special classes were arranged in the evenings for the students with back papers.

REVAMP - Training and Placement cell initiated this event which focused on the mock interviews for final year students of all branches. The main aim is to provide opportunities for real world exposures to students and making them ready for industry.

REVIVE - The Internal Training Team of Universal Engineering College presents before you the first of its kind Universal conducted an aptitude hunt series,

File Description	Documents
Best practices in the Institutional website	https://uec.ac.in/revamp/
Any other relevant information	https://uec.ac.in/spec-committee/

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

The efforts of UEC are unique and distinctive in outreach of the institution to the society, young generation aspiring for professional education, people affected by natural calamities and other common problems faced by the society at large. Some of the initiatives:

NSS Unit-: is acting as a catalyst to build up the right type of leadership in the institution. UEC has developed a strong NSS unit in the campus volunteering to go out to the society in times of emergency, natural calamities and other pressing needs of people. Highlights: Home for homeless, Blood donation, Anti-drug day Programme, Awareness on avoiding plastic, & women empowerment

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

1. Innovations in Teaching -

Project-Based Learning (PBL)

Project-based learning is considered to be an effective method that helps students drive their own learning journey. In a PBL exercise, students identify a real-world problem then develop a solution.

Inquiry-Based Learning

Inquiry-based learning develops thinking and problem-solving skills. Instead of driving the class through a lecture-style format, the teacher poses questions, scenarios, and problems. Students then research these topics individually or in groups to formulate their answers.