



# **SELF STUDY REPORT**

**FOR**

**1<sup>st</sup> CYCLE OF ACCREDITATION**

**UNIVERSAL ENGINEERING COLLEGE**

UNIVERSAL ENGINEERING COLLEGE, VALLIVATTOM, THRISSUR, 680123

680123

[www.uec.ac.in](http://www.uec.ac.in)

Submitted To

**NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL**

**BANGALORE**

**April 2022**

# 1. EXECUTIVE SUMMARY

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## 1.1 INTRODUCTION

The Universal Engineering College(UEC) is a private engineering college functioning under the management of the Universal Educational Trust. College was started in 2011 by a group of successful industrialists and business personalities to contribute to the society and its development realising that only Education can transform the society for a better living. UEC is situated in Irinjalakuda, Thrissur District of Kerala, India. The college is approved by All India Council for Technical Education New Delhi(AICTE), and affiliated with APJ Abdul Kalam Technological University, Kerala (APJAKTU). UEC is registered under the trust for the purpose of conducting various programs in engineering courses and related research activities.

The college is situated in a beautiful landscape of 10 acres owned by the trust with provision for future expansion surrounded by lush greenery and serene topography merged into a calm and healthy atmosphere at the confluence point of Thrissur, Ernakulum districts. The campus is known for its discipline, well equipped laboratories, well qualified and experienced faculty members with the best administration and governance. UEC was affiliated with University of Calicut from inception and in 2015 migrated to APJAKTU. The salient features of UEC are,

- Administration system.
- Best academic quality and facilities
- Syllabus supplements.
- Platforms for skills and gap bridging, healthy teacher – student relationships.
- Mentoring.
- Forums for social outreach.
- Community involvement.
- A vibrant campus full of activities with continuous up keeping of infrastructure.

The institution has meticulously overseen to reach Vision & Mission by providing the best infrastructure at par with the industrial standards. In a very short time span UEC has carved a niche among the student community by its excellent results in University examinations, student friendly campus with a perfect blend of innovation and research.

### 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.**

UEC aims to attain the vision on a continuous basis in the areas of academic excellence, arts, sports and social interface and innovation among students. UEC also provides a platform for skill development, workshop, seminars, paper presentation facilities, off syllabus projects. It is the vision of the college to be outstanding among its peers in terms of resources, discipline, career and placement, student development, teaching learning quality process. In the areas of academic excellence, sports, innovation and entrepreneurship, UEC is tremendously working to attain the vision.

As an institution UEC is always aware and conscious about the need of being resourceful. In order to achieve its vision, UEC owns a well-qualified team of faculty members and leadership ready to take up the challenges in the growth of each and every student. From the establishment of the institution in 2011, UEC is focused to improve the internal and external infrastructure facilities including classrooms, laboratories, eco-friendly ambience, buildings in the campus in a moderate manner.

## **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.**

## **1.2 Strength, Weakness, Opportunity and Challenges(SWOC)**

### **Institutional Strength**

- The institution is a self-supporting college providing quality education to students with AICTE approval and ISO Certification
- Located in a rural area, near the coastal belt of Kerala, with a focus on the quality education to uplift/upgrade the rural students, through this they get a good exposure to discover the full potential in them.
- Committed management, qualified and experienced faculties and dynamic staff to ensure the quality in each aspect of technical education
- To motivate the students in academic and non-academic activities, various programs are implemented.
- UEC provides excellent facilities including classrooms, library, transportation system and other facilities like Wi-Fi
- Maintaining a good student enrolment ratio and essential staff retention ratio
- Owns a very active training & placement cell, and a vibrant Internal Training Team.
- Implemented value added programs such as NSS, ENCON club and IEDC.
- CCTV monitoring system for safe and secure campus.
- To improve the quality of teaching, faculty members are encouraged to organize and participate in workshops, seminars, FDP and STTPs.
- Scholarship schemes are provided to meritorious/economically weak students.
- Effective committees/cells for student grievances.
- Physical Education Department creates a constructive physical learning environment
- Innovative practices like **SPEAC**, **REVAMP** are implemented for student performance enhancement and to develop social responsibility.
- Senior academicians are serving as members of Academic Council.
- Institution has tie up with nearby hospital for medical emergency.
- To promote value education, induction/ orientation/UHV programs are conducted.

- Institution promotes experiential learning.
- ICT enabled teaching-learning process is practised.
- MoUs with various national/international organizations.

### **Institutional Weakness**

- Industry- academy relation to be improved for projects, consultancy works and extension activities
- Lack of funded projects and patents
- Quality publications, Interdisciplinary and collaborative Research needs to be strengthened
- Needs to strengthen the Alumni Association
- Non-availability of visiting and adjunct faculty from industry
- Lack of student/faculty exchange programs.
- Remoteness of the college from the major cities and facilities such as airport.
- Fewer students are seeking higher studies.

### **Institutional Opportunity**

- Enhancing contributions to green initiatives for sustainable development of society
- Create awareness among students for competitive examinations such as UPSC, GATE, CAT, GMAT, TOFEL, GRE.
- Alumni of the institution serving in the country and abroad can widen the opportunity of collaboration and network building
- Increase regional recognition through socially relevant regional projects
- Development of entrepreneurial skills through hands on training and practical experience
- MoUs signed with a number of international organizations and industries.
- Candidates opting for emerging fields in engineering for higher education, encourage institution to offer new courses.
- More platforms are opened by government/universities to promote research activities, which offers more convenient places for research.
- Environmental challenges need more engineering based studies, which seems to be an opportunity for the budding engineers.

### **Institutional Challenge**

- Maintaining good rank among engineering colleges and to scale greater heights.
- Attract and retain expert faculty at all levels.
- Media and peer-group influence negatively affecting the academic orientation of students.
- Changing admission scenario in the field of engineering and technology
- Updation in teaching-learning process with rapid change in technology

## **1.3 CRITERIA WISE SUMMARY**

### **Curricular Aspects**

Outcome based education is followed to improve the quality of education and also to improve the knowledge level of students and to quantify it. Academic teaching learning process is followed for achieving basic level planning. Based on the university academic calendar, IQAC prepares institution academic calendar by including all the academic and non-academic activities. Add-on courses are offered by the institution to fill the gap in the syllabus and also to make the students updated about the latest technologies. All the students have to study common courses during the first year & branch – specific courses including elective courses from the second year onwards. Some of the curriculum implementation strategies are: course plan preparation, formation of course & class committee, identification of group tutors & mentors, Students' Performance Enhancement and Assessment Cell – for result improvement and and monitoring, arranging industry visits & internships, identify and offer Add on courses and minor courses. Through the various committees formed in UEC, students are able to sensitize the issues related to gender, environmental sustainability, professional ethics and human values for the development of students. Curriculum enrichment is attained by offering add on courses value added courses and training on soft skills, placement training, Industrial Visits, Internships and Industrial Trainings. UEC has an Academic Management System (AMS) for uploading all the day to day activities of the course such as, course plan, timetable, online attendance marking, internal assessment mark entry and report generation. Students encouraged to select the elective courses as per their wish, do online courses, undergo industry visits/internship, attend intercollegiate seminars, attend hands on workshop and presentations. UEC has curriculum based feedback system, collected from students, faculty members, alumni and employer. SPEAC focuses the attention on continuous evaluation process of the students & takes/suggests measures to improve in weak areas. Department Advisory Board meets once in a semester to suggest the measures to improve the teaching-learning-evaluation process (if any) and other activities focussed on the growth of the department as well as the measures to make the students industry ready equipped with latest technologies.

### **Teaching-learning and Evaluation**

PO`s and PSO`s are developed at the department level. Course plans and CO`s are prepared by the respective faculty handling the course, approved by the committee consisting of HOD, course coordinator and module coordinator.

For the smooth progress and to ensure the timely completion of the course, UEC has constituted the class / course committees, including senior faculty & student representatives. At the end of each semester, DAB(Department Advisory Board) evaluates the performance of all the academic and non-academic activities of the department to find out the deficiency & areas for improvement. Student feedback based on the course delivery is taken twice in a semester & course wise performance analysis is carried out based on the student feedback & are communicated with respective faculty handling the course. Corrective measures for improvement are suggested to those who had performed lower than the set benchmark. UEC has taken measures to increase the usage of ICT enabled teaching - learning and to maximize the use of learning management system software. In order to encourage and motivate self and participative learning, students are directed to do the assignments and presentations to learn the specific topics from syllabus. The institution motivates the students to do internships /industrial visits/ training related to their area of study. UEC staff and students are always encouraged to participate in workshops/short term trainings/seminars/ national or international conferences. The faculty members are always encouraged to prepare & organize conferences, seminars and workshops and also to undertake research and consultancy works. They are also encouraged to publish their research works in reputed journals approved by UGC.

## **Research, Innovations and Extension**

UEC aims at promoting research & development among the staffs and students. Undergraduate students having aptitude towards doing research are identified and proper trainings are provided to make them capable of undertaking small research works as their B Tech projects. IEDC & of UEC encourages the students to develop their projects into products. IEDC creates an innovation ecosystem by coordinating with agencies like Kerala start up mission and other funding agencies. UEC always tries to associate with the local authorities - government agencies, public utility services to undertake consultancy works or to conduct outreach programs. This enables the students to identify the issues faced by the public and to find solutions for it. This could help the students to become socially committed engineers with problem solving skills.

## **Infrastructure and Learning Resources**

UEC has got sufficient infrastructure facilities of buildings and classrooms, separate hostel facilities for men and women, auditorium, laboratories, Wi-Fi connectivity, computer centre, training and placement cell, sports facilities, roads, garden & greenery lawns inside the campus, a fleet of buses and car for students & staff.

The central library has over 15000 books, e-journals and reputed journals. Previous university question papers, technical magazines, newspapers are also available in the library. Photocopying facilities are also provided in the library. The two internet service providers of UEC are namely Kphone 10 Mbps, Jio 100 Mbps. The college has the facility of Wi-Fi for the entire campus. UEC has an official domain website. For the quick communication among staff and students, UEC has G-suit and maintaining Facebook & Instagram pages along with WhatsApp groups with staff and students.

## **Student Support and Progression**

Institution has framed student support & progression system aiming at their holistic development, LEAD program, SPEAC, mentoring, counselling, activities of ITT, activities of placement & training team, mock interviews(Reflections), remedial classes activities of ICC, IEDC, incubation centre & various activities of other clubs are planned accordingly to achieve them. SPEAC was implemented in 2020 aiming at improving the result of the first year students. Gradually it is adapted in higher semesters also along with the progression of the first year students. SPEAC also honours the toppers in the series exams and university exams for motivating the students. Amidst these initiatives we give equal importance to the slow learners as well. They are identified and special attention is provided by the faculty handling each courses through mentoring, motivating and remedial classes. This will help the slow learners to pick up slowly to become competent among their peers.

LEAD programs helps the students to build self-confidence, improve communication skills & to overcome stage fright. All these will assist the students in developing a good personality. In order to boost the self-confidence of students & to reduce their stress and anxiety about interviewing, Institution conducts mock interviews (reflections). The corrective measures if any related to academics are implemented based on the continuous evaluation of student's progression that are obtained from series test, projects, assignments and seminars. The welfare measures like scholarships and e-grants from government and non-government bodies are also available in UEC. The training and placement cell offers career counselling to students to help them explore various career options. Those who opt higher studies, proper guidance's for competitive exams like GATE are given. The institute has a well-defined student mentoring system to help the students decision

making related to their personal & academic growth. To get relief from academic stress, students are encouraged to take part in extracurricular activities like games / sports and arts.

### **Governance, Leadership and Management**

The institute's activities are governed by the organization's hierarchy, which includes Director Board, Principal, Academic Council & IQAC. Various programs and initiatives of the institution are planned/organised by various departments, associations / clubs and the same is approved by the head of the institution and is evaluated by IQAC/Academic Council and timely suggestions are provided for improvement. UEC hires qualified and devoted faculty members and offers them all the support to make their carrier flourish with the growth of UEC.UEC prepares budget for the upcoming fiscal year before the previous year ends.

### **Institutional Values and Best Practices**

Institution always strives to achieve its & mission through all its endeavours. All the activities, bodies, clubs are planned / formulated with the aim of achieving this common goal. REVAMP & SPEAC are such initiatives that were evolved to provide a catalytic growth in its journey for acting the set vision & mission. Both these can also be considered as two best practices of the institute. Being in a rural area, the most of our students are from the under privileged section of the society. Increasing the confidence level of students and to make them attain good knowledge in their field of study is the ultimate aim of these best practices. Improved 100% placement even during the pandemic is a sign of changes that could be made in the students by 'Reflections'. SPEAC, consist of team who monitor the students from their first year till the end of course. This cell sets a benchmark for all the students based on the criteria of their plus two marks. To follow uniformity in the planning and preparation level, this cell helps to maintain transparency in all the procedures.

Through REVAMP, UEC provides basic services in nearby villages and contributes to the economic development of the local community and society in order to improve their quality of life as part of its responsibility to the environment and society and to provide innovative solutions for social and environmental challenges.

## 2. PROFILE

### 2.1 BASIC INFORMATION

Name and Address of the College	
Name	UNIVERSAL ENGINEERING COLLEGE
Address	Universal Engineering College, Vallivattom, Thrissur, 680123
City	THRISSUR
State	Kerala
Pin	680123
Website	<a href="http://www.uec.ac.in">www.uec.ac.in</a>

Contacts for Communication					
Designation	Name	Telephone with STD Code	Mobile	Fax	Email
Principal	Jose K Jacob	0480-2860477	8547438618	0480-2860077	principal@uec.ac.in
IQAC / CIQA coordinator	Sreeraj R	0480-2864177	9446854063	0480-2860077	sreerajr@uec.ac.in

Status of the Institution	
Institution Status	Self Financing

Type of Institution	
By Gender	Co-education
By Shift	Regular

Recognized Minority institution	
If it is a recognized minority institution	No

Establishment Details	
Date of establishment of the college	03-10-2011



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

State	University name	Document
Kerala	A.P.J. Abdul Kalam Technological University	<a href="#">View Document</a>

**Details of UGC recognition**

Under Section	Date	View Document
2f of UGC		
12B of UGC		

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

Statutory Regulatory Authority	Recognition/Approval details Institution/Department programme	Day,Month and year(dd-mm-yyyy)	Validity in months	Remarks
AICTE	<a href="#">View Document</a>	25-06-2021	12	

**Details of autonomy**

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

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

<b>Location and Area of Campus</b>				
<b>Campus Type</b>	<b>Address</b>	<b>Location*</b>	<b>Campus Area in Acres</b>	<b>Built up Area in sq.mts.</b>
Main campus area	Universal Engineering College, Vallivattom, Thrissur, 680123	Rural	10.13	13067.57

## 2.2 ACADEMIC INFORMATION

NAAC

<b>Details of Programmes Offered by the College (Give Data for Current Academic year)</b>						
<b>Programme Level</b>	<b>Name of Programme/ Course</b>	<b>Duration in Months</b>	<b>Entry Qualification</b>	<b>Medium of Instruction</b>	<b>Sanctioned Strength</b>	<b>No.of Students Admitted</b>
UG	BTech,Department Of Civil Engineering	48	Fifty percentage marks in Mathematics Physics Chemistry in HSE or equivalent.Five percentage relaxation marks for reserved category	English	60	45
UG	BTech,Department Of Computer Science And Engineering	48	Fifty percentage marks in Mathematics Physics Chemistry in HSE or equivalent.Five percentage relaxation marks for reserved category	English	60	60
UG	BTech,Department Of Electronics And Communication Engineering	48	Fifty percentage marks in Mathematics Physics Chemistry in HSE or equivalent.Five percentage relaxation marks for reserved category	English	30	29
UG	BTech,Deepar	48	Fifty	English	60	31

	tment Of Electrical And Electronics Engineering		percentage marks in Mathematics Physics Chemistry in HSE or equi valent.Five percentage relaxation marks for reserved category			
UG	BTech,Depart ment Of Mechanical Engineering	48	Fifty percentage marks in Mathematics Physics Chemistry in HSE or equi valent.Five percentage relaxation marks for reserved category	English	90	54
PG	Mtech,Depart ment Of Civil Engineering	24	Sixty Percentage marks in Engineering examination and a valid GATE score. Non GATE admission on merit basis	English	18	18
PG	Mtech,Depart ment Of Mechanical Engineering	24	Sixty Percentage marks in Engineering examination and a valid GATE score. Non GATE admission on merit basis	English	9	2

**Position Details of Faculty & Staff in the College**

<b>Teaching Faculty</b>												
	<b>Professor</b>				<b>Associate Professor</b>				<b>Assistant Professor</b>			
	Male	Female	Others	Total	Male	Female	Others	Total	Male	Female	Others	Total
Sanctioned by the UGC /University State Government	0				0				0			
Recruited	0	0	0	0	0	0	0	0	0	0	0	0
Yet to Recruit	0				0				0			
Sanctioned by the Management/Society or Other Authorized Bodies	5				16				54			
Recruited	4	1	0	5	7	9	0	16	24	29	0	53
Yet to Recruit	0				0				1			

<b>Non-Teaching Staff</b>				
	<b>Male</b>	<b>Female</b>	<b>Others</b>	<b>Total</b>
Sanctioned by the UGC /University State Government				0
Recruited	0	0	0	0
Yet to Recruit				0
Sanctioned by the Management/Society or Other Authorized Bodies				23
Recruited	11	12	0	23
Yet to Recruit				0

<b>Technical Staff</b>				
	<b>Male</b>	<b>Female</b>	<b>Others</b>	<b>Total</b>
Sanctioned by the UGC /University State Government				0
Recruited	0	0	0	0
Yet to Recruit				0
Sanctioned by the Management/Society or Other Authorized Bodies				17
Recruited	6	11	0	17
Yet to Recruit				0

**Qualification Details of the Teaching Staff**

<b>Permanent Teachers</b>										
<b>Highest Qualification</b>	<b>Professor</b>			<b>Associate Professor</b>			<b>Assistant Professor</b>			<b>Total</b>
	<b>Male</b>	<b>Female</b>	<b>Others</b>	<b>Male</b>	<b>Female</b>	<b>Others</b>	<b>Male</b>	<b>Female</b>	<b>Others</b>	
D.sc/D.Litt/LLD/DM/MCH	0	0	0	0	0	0	0	0	0	0
Ph.D.	4	1	0	0	0	0	0	0	0	5
M.Phil.	0	0	0	0	1	0	0	0	0	1
PG	0	0	0	7	8	0	17	18	0	50
UG	0	0	0	0	0	0	0	0	0	0

<b>Temporary Teachers</b>										
<b>Highest Qualification</b>	<b>Professor</b>			<b>Associate Professor</b>			<b>Assistant Professor</b>			<b>Total</b>
	Male	Female	Others	Male	Female	Others	Male	Female	Others	
D.sc/D.Litt/LLD/DM/MCH	0	0	0	0	0	0	0	0	0	0
Ph.D.	0	0	0	0	0	0	0	0	0	0
M.Phil.	0	0	0	0	0	0	0	0	0	0
PG	0	0	0	0	0	0	7	11	0	18
UG	0	0	0	0	0	0	0	0	0	0

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

<b>Details of Visting/Guest Faculties</b>					
<b>Number of Visiting/Guest Faculty engaged with the college?</b>	<b>Male</b>		<b>Female</b>		<b>Total</b>
	1	0	0	0	1

**Provide the Following Details of Students Enrolled in the College During the Current Academic Year**

Programme		From the State Where College is Located	From Other States of India	NRI Students	Foreign Students	Total
UG	Male	354	0	304	0	658
	Female	266	0	98	0	364
	Others	0	0	0	0	0
PG	Male	14	0	0	0	14
	Female	26	0	0	0	26
	Others	0	0	0	0	0

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

Category		Year 1	Year 2	Year 3	Year 4
SC	Male	8	4	2	0
	Female	2	3	3	3
	Others	0	0	0	0
ST	Male	0	0	0	0
	Female	0	0	0	0
	Others	0	0	0	0
OBC	Male	101	106	99	83
	Female	59	52	58	55
	Others	0	0	0	0
General	Male	31	34	25	39
	Female	10	13	9	6
	Others	0	0	0	0
Others	Male	8	7	3	6
	Female	2	2	0	2
	Others	0	0	0	0
Total		221	221	199	194

**Institutional preparedness for NEP**



## 1. Multidisciplinary/interdisciplinary:

Realizing the objective of NEP, The HEI has taken initiatives to incorporating Universal Human Values (UHV) in education. In this regard faculty members has attended faculty development programs on UHV organized by AICTE. Focus on the interdisciplinary perspective the HEI has introduced courses in line with the university curriculum. By inculcating the programme named Python for Machine Learning as a minor course, we progressed to the first step of national education policy. This programme is offered by computer science and engineering department to the stakeholders of all other branches. The HEI is planning to introduce these interdisciplinary programmes to all other branches in the near future. Interdisciplinary study of student project allows for mixture of ideas and characteristics from many disciplines. At the same time, it addresses students' individual differences and helps to develop important, transferable skills. In this regard department of Mechanical Engineering and department of Electronics and Communication Engineering join hands together and pitched an idea about a collaborated project called AGRIBOT which is mainly programmed to function specific tasks in agriculture field which are cutting, sowing, watering, fertilizer spraying and harvesting. The main objective of this project is efficient utilization of resources and reducing labor. The project works effectively by reducing human effort. The new advancement called AGRIBOT is definitely going to make farming smart thereby reducing labor, providing variety and healthy food crops. As a part of implementing multidisciplinary programmes by the HEI mainly focus on the following fields. Music club and dance club to develop the artistic capability of the stakeholders; Maths club, Science club to improve the scientific skill of the stakeholders; Innovation and entrepreneur development cell to promote the professional, technical and vocational capabilities of the stakeholders; National service scheme/ENCON club aims to shape the stakeholders to understand the ethics of social engagement. Literary and debate club of HEI provide a strong platform to the stakeholders to understand the importance of communication, discussion and debate; Skilled up training programmes by the Technical clubs and associations are intend to bridge the gap between the academia and industry.

2. Academic bank of credits (ABC):	As a part of the implementation of ABC, HEI has registered in the National Academic Depository(NAD) which helps the stakeholder's academic data are held and academic awards are stored (i.e., storehouse of academic awards).
3. Skill development:	To make the stakeholders industry ready professional HEI introduced the following add on courses in the curriculum. Embedded System and IoT, PICCOLO micro controller, VLSI using verilog HDL, Digital system using HDL-EEE/ECE AutoCAD professional-ME Data Science and Machine Learning using Python, Connect Basics-Programming skill development-CSE
4. Appropriate integration of Indian Knowledge system (teaching in Indian Language, culture, using online course):	As a part of integrating Indian knowledge system, culture and arts, the HEI initiated and will be planned to do the following activities. Training program on Vedic Maths is to increase the numeracy levels, helps a person to solve mathematical problems many times faster. It helps in making intelligent decisions to both simple and complex problems. In this regard the HEI has planned to conduct Vedic Maths workshop for the student community. As a part of promoting arts and cultural activities in the institution, dance club of UEC will be organizing workshop on Kathak dance is a type of principle dance in which the Kathakars or story-tellers, are people who narrate stories largely based on episodes from the epics, myths and legends.
5. Focus on Outcome based education (OBE):	To improve the overall performance and grading of the stake holders, and to achieve observable, measurable learning outcomes in real time, it is an essential fact to move to outcome based education. As first step, HEI have conducted outcome based education training to the staff members to train teachers placing stress on course outcome. HEI also trained the teaching faculty in "CO PO mapping and attainment. Consecutively HEI has organized several training programs to facilitate the teaching community in the following areas. Vision, Mission, SWOC, Blooms Taxonomy, CO-PO mapping, attainment calculation and criteria wise awareness in assessment and accreditation programme.
6. Distance education/online education:	NIL

## Extended Profile

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### 1 Program

#### 1.1

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

2020-21	2019-20	2018-19	2017-18	2016-17
384	359	368	390	382
File Description		Document		
Institutional data prescribed format		<a href="#">View Document</a>		

#### 1.2

**Number of programs offered year-wise for last five years**

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

### 2 Students

#### 2.1

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

2020-21	2019-20	2018-19	2017-18	2016-17
1121	1116	1091	1063	999
File Description		Document		
Institutional data in prescribed format		<a href="#">View Document</a>		

#### 2.2

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

2020-21	2019-20	2018-19	2017-18	2016-17
164	198	198	198	198

File Description	Document
Institutional data in prescribed format	<a href="#">View Document</a>

### 2.3

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

2020-21	2019-20	2018-19	2017-18	2016-17
268	269	250	247	206

File Description	Document
Institutional data in prescribed format	<a href="#">View Document</a>

## 3 Teachers

### 3.1

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

2020-21	2019-20	2018-19	2017-18	2016-17
071	75	75	99	96

File Description	Document
Institutional data in prescribed format	<a href="#">View Document</a>

### 3.2

#### Number of sanctioned posts year-wise during last five years

2020-21	2019-20	2018-19	2017-18	2016-17
71	75	75	99	99

File Description	Document
Institutional data in prescribed format	<a href="#">View Document</a>

## 4 Institution

### 4.1

#### Total number of classrooms and seminar halls

**Response: 29**

**4.2**

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

2020-21	2019-20	2018-19	2017-18	2016-17
282.90	298.70	311.92	278.61	381.26

**4.3**

**Number of Computers**

**Response: 242**

NAAC

## 4. Quality Indicator Framework(QIF)

### Criterion 1 - Curricular Aspects

#### 1.1 Curricular Planning and Implementation

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

###### Response:

Universal Engineering College, affiliated to APJ Abdul Kalam Technical University, follows the curriculum as specified by the university. The university regularly updates curriculum for PG and UG programs. However in order to make the student industry ready, students should be updated with the latest changes & trends in the technologies. Department academic council (DAC) meets regularly to discuss about the curriculum to identify the gaps in syllabus & the measures to be taken to equip the students with the changing challenges. The suggestions obtained from class representatives as a part of students council, suggestions from the feedback of students, employees & alumni on curriculum of placed before DAC for further discussion. The key points / suggestions raised by DAC on these are placed before the Academic Council for further discussion. Before the commencement of every semester, considering the university academic calendar , IQAC prepares semester wise academic calendar. Subject allocation is done by considering the faculty specialization, experience and workload for the forthcoming semester. Teaching plan for each courses is prepared by the corresponding faculty handling it ensuring the minimum of contact hours specified by the university in the syllabus. The same is verified by the head of the department. Feedback in the course delivery is taken from all the students and also through the course/ class committee twice in a semester. Same is communicated to the corresponding faculty and the corrective measures are taken which is an integral part of curriculum and implementation. UEC has an AMS for uploading all the activities of each course viz timetable , proposed and actual course plan , attendance, marks of internal assessment. AMS has features for generating the monthly attendance report, final internal marks , subject wise series analysis, course file for conducting online classes and also for sharing the course materials .

Some of the faculties of universal engineering college are members of the board of studies of various other institutions & doctoral committee members in various other universities. Some of the faculties are also posted by the university for setting question papers for the university examination, also as observers for monitoring the conduct of university examination in other engineering colleges affiliated to KTU. Few of the faculty were resource persons for various FDP's/Workshops conducted by Universal Engineering College as well as other institutions, while few were invited for receiving the journal papers by some publishers.

File Description	Document
Upload Additional information	<a href="#">View Document</a>
Link for Additional information	<a href="#">View Document</a>

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

**Response:**

KTU announces detailed academic calendar based on the guidelines of AICTE, before the commencement of every academic year. UEC creates and publish an academic calendar in line with KTU academic calendar ,incorporating its academic and non-academic activities.

The subjects are allocated to faculty members based on their field expertise, area of interest, experience and proficiency by the head of the department. Course/Class committee are formed including the student representatives from the class, senior faculty and other department faculty as per the regulations of the university. The college academic calendar and the class timetable are circulated to the students at the beginning of each semester, so that students can plan their academics accordingly. Course plans are prepared by the respective faculty handling each course inline with the contact hours specified in the syllabus at the beginning of each semester and verified and approved by the head of the department. The theory & practical sessions are carried out based on the course plan prepared. The course delivery be monitored at various levels. Students feedback on course delivery taken twice in a semester. Course/ class committee discusses about the pace and effectiveness of course delivery, performance of students in the internal assessment will be monitored. Based on these feedbacks obtained at various levels, support & suggestions for improvement(if any )will be provided by the head of the department. For the internal evaluation of theory and practical courses , an internal committee constituted comprising , module expert, subject expert & head of the department. As per the guidance from the university, through series marks, assignment marks, attendance of students internal marks are finalized & published.

For attending university examination students have to secure/attain minimum internal marks prescribed by the university (KTU 2015 scheme). As per the guidelines of university to complete their degree course apart from securing minimum pass mark in the university examination students have to obtain activity points through participating in various co-curricular and extracurricular programmes.

File Description	Document
Upload Additional information	<a href="#">View Document</a>
Link for Additional information	<a href="#">View Document</a>

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

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

**Response:** C. Any 2 of the above

File Description	Document
Institutional data in prescribed format	<a href="#">View Document</a>
Details of participation of teachers in various bodies/activities provided as a response to the metric	<a href="#">View Document</a>

## 1.2 Academic Flexibility

<b>1.2.1 Percentage of Programmes in which Choice Based Credit System (CBCS)/ elective course system has been implemented</b>	
<b>Response: 100</b>	
<b>1.2.1.1 Number of Programmes in which CBCS / Elective course system implemented.</b>	
Response: 7	
File Description	Document
Minutes of relevant Academic Council/ BOS meetings	<a href="#">View Document</a>
Institutional data in prescribed format	<a href="#">View Document</a>

<b>1.2.2 Number of Add on /Certificate programs offered during the last five years</b>											
<b>Response: 5</b>											
<b>1.2.2.1 How many Add on /Certificate programs are offered within the last 5 years.</b>											
<table border="1"> <thead> <tr> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> <th>2017-18</th> <th>2016-17</th> </tr> </thead> <tbody> <tr> <td>4</td> <td>1</td> <td>0</td> <td>0</td> <td>0</td> </tr> </tbody> </table>		2020-21	2019-20	2018-19	2017-18	2016-17	4	1	0	0	0
2020-21	2019-20	2018-19	2017-18	2016-17							
4	1	0	0	0							
File Description	Document										
List of Add on /Certificate programs	<a href="#">View Document</a>										
Brochure or any other document relating to Add on /Certificate programs	<a href="#">View Document</a>										

<b>1.2.3 Average percentage of students enrolled in Certificate/ Add-on programs as against the total number of students during the last five years</b>
<b>Response: 3.36</b>



**1.2.3.1 Number of students enrolled in subject related Certificate or Add-on programs year wise during last five years**

2020-21	2019-20	2018-19	2017-18	2016-17
167	21	0	0	0

File Description	Document
Details of the students enrolled in Subjects related to certificate/Add-on programs	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

**1.3 Curriculum Enrichment****1.3.1 Institution integrates crosscutting issues relevant to Professional Ethics ,Gender, Human Values ,Environment and Sustainability into the Curriculum****Response:**

UEC follows mixed classrooms and department rooms without any gender discrimination. To give awareness on professional ethics, environment and sustainability, these subjects were introduced by the university as the part of curriculum and are taught with due importance. Anti-ragging cell, women cell and student grievance Redressal committee take care of the gender issues if any. Issues related to academic or non-academic matters are escalated to the group tutors or HOD and are addressed by them in the best possible way.

To avoid discrimination against women, women clubs works well. UEC conducts tour programmes and industrial visit every year without any discrimination boys and girls are participating. Also institution provides transport facilities to male and female students without any discrimination. Through giving equal importance to both genders class hours, projects and practical facilities are marked & based on that each semester time table will be prepared.

The placement cell assures equal importance to girl and boy students during placement drive. Internal training team (REVIVE) of the college gives equal opportunities to students without any gender discrimination. By using SDPK facilities departments provides skill development activities to students in the aim of promoting them to excel in their career and to make them aware of the latest technologies available and also provides equal opportunities to girl students.

UEC students both boys and girls helped flood effected people during the years 2018-2019. They had cleaned and repaired flood affected houses and had also supplied necessary food items and cloths.

File Description	Document
Upload the list and description of courses which address the Professional Ethics, Gender, Human Values, Environment and Sustainability into the Curriculum.	<a href="#">View Document</a>

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

Response: 10.01

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

2020-21	2019-20	2018-19	2017-18	2016-17
81	36	26	32	14

File Description	Document
Programme / Curriculum/ Syllabus of the courses	<a href="#">View Document</a>
MoU's with relevant organizations for these courses, if any Average percentage of courses that include experiential learning through project work/field work/internship	<a href="#">View Document</a>
Minutes of the Boards of Studies/ Academic Council meetings with approvals for these courses	<a href="#">View Document</a>

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

Response: 26.05

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

Response: 292

File Description	Document
List of programmes and number of students undertaking project work/field work/ /internships	<a href="#">View Document</a>

## 1.4 Feedback System

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

**Response:** D. Any 1 of the above

File Description	Document
Any additional information (Upload)	<a href="#">View Document</a>
Action taken report of the Institution on feedback report as stated in the minutes of the Governing Council, Syndicate, Board of Management (Upload)	<a href="#">View Document</a>
URL for stakeholder feedback report	<a href="#">View Document</a>

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

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

**Response:** C. Feedback collected and analysed

File Description	Document
Upload any additional information	<a href="#">View Document</a>
URL for feedback report	<a href="#">View Document</a>

## Criterion 2 - Teaching-learning and Evaluation

### 2.1 Student Enrollment and Profile

#### 2.1.1 Average Enrolment percentage (Average of last five years)

**Response:** 213.15

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

2020-21	2019-20	2018-19	2017-18	2016-17
327	396	396	396	396

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

2020-21	2019-20	2018-19	2017-18	2016-17
244	193	204	214	114

#### File Description

#### Document

Institutional data in prescribed format

[View Document](#)

Any additional information

[View Document](#)

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

**Response:** 26.65

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

2020-21	2019-20	2018-19	2017-18	2016-17
62	28	41	50	70

#### File Description

#### Document

Average percentage of seats filled against seats reserved

[View Document](#)

Any additional information

[View Document](#)

## 2.2 Catering to Student Diversity

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

#### Response:

The socio-economic background of the students plays an important role in their personal & academic growth. Most of the students are from poor economic background or are the first learners of engineers in their family. Hence it is inevitable to mould them with the help of structured system for their bright future & to develop them as a competent professional. SPEAC serves the purpose of identifying the advanced learners and slow learners. Remedial measures are suggested for slow learners while, add-on courses, minor programs entrepreneurship related activities, guidance/support for attending competitive exams or support to go for higher studies are provided for advanced learners .

For the pre admission students, institution provides classes for maths, chemistry, physics and communication to improve the learning level of students this will help the students to have a good foundation

During the induction program just after joining for the BTech program, the initial informal interaction will be through Quiz, GD and debate. During these sessions, students will be having more number of group activities. This will help the teachers to assess the level of learning of the students. Internal exams, orientation classes and feedback from subject teachers will be used to identify the advanced learners and slow learners in the higher semesters.

UEC have recently constituted a cell(SPEAC) for the overall result improvement of students. This cell is constituted to make a transparency in every teaching learning process. Base on the academic performance, the students are categorised into A, B, C. Different strategies are adopted for each category for the result improvement.

Through mentoring learning ability of the mentees are identified by the mentors, based on their academic performance, social and psychological aspects and behaviour. Remedial classes are provided for the students after regular working hours and transport facilities are provided for the students.

Various departments provide skill development programs to enhance the overall development of each and every student. Each department provides add on courses that helps the students to update themselves with the latest trends in technology.

File Description	Document
Upload any additional information	<a href="#">View Document</a>
Past link for additional Information	<a href="#">View Document</a>

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

**Response:** 15.79

File Description	Document
Any additional information	<a href="#">View Document</a>

## 2.3 Teaching- Learning Process

### 2.3.1 Student centric methods, such as experiential learning, participative learning and problem solving methodologies are used for enhancing learning experiences

**Response:**

Faculty uses ICT enabled teaching methodologies in all the possible courses. At the beginning of every semester KTU will publish academic calendar. In line with KTU academic calendar UEC publishes its own academic calendar which includes all the academic and non-academic activities of the semester.

In every departments, multimedia teaching aids like LCD projectors and laptop are available. In each semester all the departments conduct seminar, guest lectures on the core subjects and other industry relevant topics. Talks, presentations are conducted in seminar halls using ICT facilities. UEC promote students to get participated in industrial training and internships. To gain industry exposure to the students departments conduct industrial visits. IEDC club of UEC encourage students to do innovative projects and also motivate them to participate in project competitions and idea pitching organised by other institutions. IEDC club support students by providing funds and guidance to develop their innovative ideas into prototype.

UEC had organized several technical festivals to showcase the technical talent of students.

SDPK is an initiative of the electronics and information technology department of Kerala implemented through the special purpose vehicle, KSITL and ICT academy of Kerala (ICTAK) as the operating partner. The vision of SDPK is to introduce industry relevant employability skills training program to Engineering polytechnic and graduate students across the state. UEC is one among the 86 institution under KTU to setup SDPK with government funding.

Sufficient number of books and e-journals are available in the library. e-library facility also available in UEC. Seminar hall is equipped with multimedia facilities using ICT Tools.

ICT enabled facility SDPK Lab are equiped with Cisco Sx8 codec with speaker tracker camera, ceiling mic G2, LG84R36 interactive display 86 inch, sono dyne, Rack 4 connectors & cables. Telepresence uses high definition equipment to replicate face to face communication virtually. The interactive system uses a video call incorporating multiple cameras, touch – enabled screen, directional speakers, microphones and monitors to create life line visual and audio clarity.

File Description	Document
Upload any additional information	<a href="#">View Document</a>
Link for additional information	<a href="#">View Document</a>

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

#### Response:

UEC always promotes the faculty to use Information and Communication Technology (ICT) enabled methods for the effective delivery of teaching and learning. These facilities are available to the staff, students and technical staff members.

The following are the initiatives taken up by the institution for improving the teaching learning Process:

- UEC has two seminar halls and one computer lab with multimedia facilities. Seminar & project presentation of the students, invited talks and orientation classes are conducted here.
- In every block, classrooms with ICT facilities are available.
- The library has subscribed to a number of e-journals in the field of Engineering, Science, and Management
- Sufficient number of e-books & e-journals are available in the library.
- SDPK is an initiative of the electronics and information technology department implemented through the special purpose vehicle, KSITL and ICT academy of Kerala (ICTAK) as the operating partner. The vision of SDPK is to introduce industry relevant employability skills training program to Engineering students across the state. SDPK lab is equipped with ICT enabled tools worth Rs.17 Lakhs funded by Government of Kerla.
- ICT enabled tools in SDPK Lab are Cisco Sx8 codec with speaker tracker camera, ceiling mic G2, LG84R36 interactive display 86 inch, sonodyne, Rack 4 connectors & cables.

Telepresence uses high definition equipment to replicate face to face communication virtually. The interactive system uses a video call incorporating multiple cameras, touch – enabled screen, directional speakers, microphones

File Description	Document
Upload any additional information	<a href="#">View Document</a>
Provide link for webpage describing the ICT enabled tools for effective teaching-learning process	<a href="#">View Document</a>

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

**Response:** 22:1

2.3.3.1 Number of mentors	
Response: 50	
<b>File Description</b>	<b>Document</b>
Upload year wise, number of students enrolled and full time teachers on roll.	<a href="#">View Document</a>
mentor/mentee ratio	<a href="#">View Document</a>
Circulars pertaining to assigning mentors to mentees	<a href="#">View Document</a>

## 2.4 Teacher Profile and Quality

2.4.1 Average percentage of full time teachers against sanctioned posts during the last five years	
Response: 99.39	
<b>File Description</b>	<b>Document</b>
Year wise full time teachers and sanctioned posts for 5years(Data Template)	<a href="#">View Document</a>
List of the faculty members authenticated by the Head of HEI	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

### 2.4.2 Average percentage of full time teachers with Ph. D. / D.M. / M.Ch. / D.N.B Superspeciality / D.Sc. / D.Litt. during the last five years (consider only highest degree for count)

Response: 6.34

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

2020-21	2019-20	2018-19	2017-18	2016-17
5	6	4	4	7



File Description	Document
List of number of full time teachers with Ph. D. / D.M. / M.Ch. / D.N.B Superspeciality / D.Sc. / D.Litt. and number of full time teachers for 5 years (Data Template)	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

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

**Response:** 4.46

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

Response: 316.5

File Description	Document
List of Teachers including their PAN, designation, dept and experience details(Data Template)	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

## 2.5 Evaluation Process and Reforms

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

**Response:**

Before the commencement of each semester UEC prepares the academic calendar in line with KTU academic calendar. This calendar charts the specific dates for the completion of syllabus coverage, the conduct of Continuous Assessments (CA's) for theory and laboratory. Internal examinations are conducted by the institution strictly as per the frequency and schedule prescribed by the university. During the induction program/orientation program, details about the internal assessment process is communicated to the students. If there are any changes in schedules, patterns, methods the same will be informed to the students by the tutors or concerned subject teachers.

As per the regulations of the university 2 internal exams were conducted in a semester. Students will be given awareness about the university question paper pattern and previous university question paper will be shared to them for reference by faculty handling each subject. In higher semesters 2/ 3 sets of question papers prepared by the faculty handling each subject The question papers are scrutinized and verified by a committee comprising of module expert, subject expert and HoD to ensure the standard of the question paper. After verification the same will be forwarded to IQAC. IQAC select one question paper from 2/3 sets submitted for each subject and the same is forwarded to exam cell. In the lower semesters (1,2,3)the question papers are prepared by SPEAC from the question bank submitted by the faculty handling the respective subjects and from the previous university question papers. Before distributing the valued answer

scripts back to the students valuation scheme will be shared with them, so that they will have a clarity on the marks awarded to them. The students can raise query if they are any discrepancy in the marks awarded to them. Internal marks scored by the students as well as the final internals will be published in the notice board. Students can also view the marks scored by them in the AMS-Linways

The syllabus for the series test is communicated to the students by the faculty handling the respective subjects.

Before each laboratory experiment the respective procedures as well as the theory related to it are explained to the students'.

Based on the marks secured by the students in series examination, assignments, continuous assessment in labs , practical examinations and viva voce internal marks are awarded. After finalizing the internal marks, the same will be published in the notice board and will be shared to the students. If any dispute arises, it will be sorted out at the earliest, At the end of the semester, marks scored by the student ,are uploaded to the AMS and the KTU University portal.

File Description	Document
Any additional information	<a href="#">View Document</a>
Link for additional information	<a href="#">View Document</a>

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

#### **Response:**

UEC has an internal evaluation system which is transparent and time bounded. To evaluate the progress of the students in their academic subjects mainly two series test are conducted, namely series 1, series 2 in addition to tutorials and assignments. The portions to be covered, model question paper, evaluation pattern ,date of examination, mode of conduct will be informed to the students. Department in charge of examination will rectify issues if any related to the conduct of series test. The college student's grievance and redressal committee will be handling the issues related to college level examinations, complaints about series test, deficiency in teaching pattern.

This committee consists of senior most member of the institution as convener, Student and faculty members from each department. A student who has any complaint about the valuation or needs any clarification in the mark scored can approach the faculty concerned first. There will be a mentor for each student to whom he can share his complaints & grievances. If the student is not satisfied with the counsel of faculty, he can complain it to the grievance cell. And these complaints will be discussed and disposed within two days. In the class and course committee students can share their grievances with the tutor, faculties & HoD.

The complaints received based on the university examinations, certificates, schedule of valuation, & mark sheets are addressed at the University level. It will be monitored through proper channel to get a result. If

the re-valuation mark is lesser than the original marks, the original marks shall be retained. The result of re-valuation will be announced soon after the request from the student.

File Description	Document
Any additional information	<a href="#">View Document</a>
Link for additional information	<a href="#">View Document</a>

## 2.6 Student Performance and Learning Outcomes

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

### **Response:**

The vision and mission are framed by the stakeholders through considering the areas related to it. The students after their academic studies will be able to be a part of the industries/ organizations through reaching PEO's which describe the professional & carrier accomplishments. The vision and mission of institutions and the department are considered as the primary basis for framing the PEO's by the Department Advisory Board (DAB). To meet the objectives of each programme, the programme specific outcome is prepared.

NBA stated 12 PO's for each programmes and it represents the skills, knowledge of the students. Program Outcomes (PO) can only be attained and demonstrated through combining course components and Course Outcomes (CO).

Course Outcomes are the statements that help the students to understand the reason for learning the course and helps them to identify what they will be capable to do at the end of the course. Each of the subject included in curriculum helps them in their carrier development. For each course, a set of 6 CO's are defined in connection with PO and PSO. Before the beginning of the academic sessions, during the time of subject allocation, the subjects are allotted to the teaching member and they identify and formulate the CO's of their subject. Before the commencement of each semester, the department academic council consisting of HoD, Course and module coordinator and senior faculty members analyses the CO. Once implemented the CO's, it is considered for the successful assessment of the PO's. To make the students aware of CO's before each semester these CO's are shared among the students and will be published in website, noticeboard and laboratories . The CO-PO mapping is included in the course file prepared by concerned faculty. For the improvement in subject, after conducting feedback remedial measures are taken.

File Description	Document
Upload COs for all Programmes (exemplars from Glossary)	<a href="#">View Document</a>
Upload any additional information	<a href="#">View Document</a>
Past link for Additional information	<a href="#">View Document</a>

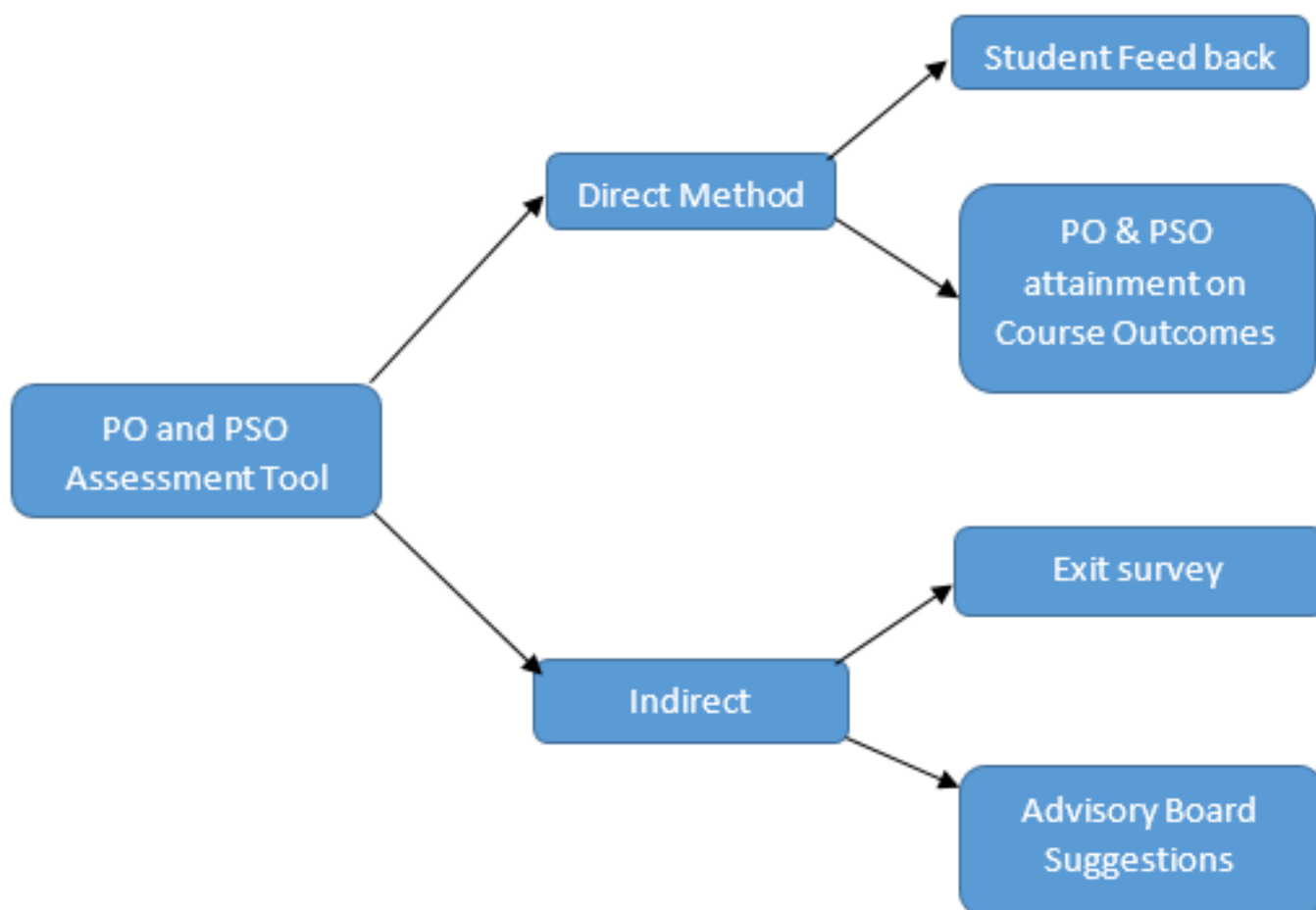
### 2.6.2 Attainment of programme outcomes and course outcomes are evaluated by the institution.

#### Response:

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 workshops 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.



Attainment calculation

File Description	Document
Upload any additional information	<a href="#">View Document</a>

### 2.6.3 Average pass percentage of Students during last five years

**Response:** 50.89

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

2020-21	2019-20	2018-19	2017-18	2016-17
107	76	132	161	189

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

2020-21	2019-20	2018-19	2017-18	2016-17
255	276	269	262	254

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

## 2.7 Student Satisfaction Survey

<b>2.7.1 Online student satisfaction survey regarding teaching learning process</b>	
<b>Response:</b> 3.39	
File Description	Document
Upload database of all currently enrolled students (Data Template)	<a href="#">View Document</a>
Upload any additional information	<a href="#">View Document</a>

## Criterion 3 - Research, Innovations and Extension

### 3.1 Resource Mobilization for Research

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

**Response:** 0

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

2020-21	2019-20	2018-19	2017-18	2016-17
0	0	0	0	0

**File Description**

**Document**

List of endowments / projects with details of grants

[View Document](#)

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

**Response:** 1.41

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

**Response:** 1

**File Description**

**Document**

Institutional data in prescribed format

[View Document](#)

Any additional information

[View Document](#)

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

**Response:** 0

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

2020-21	2019-20	2018-19	2017-18	2016-17
0	0	0	0	0

**3.1.3.2 Number of departments offering academic programmes**

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

File Description	Document
List of research projects and funding details	<a href="#">View Document</a>

**3.2 Innovation Ecosystem****3.2.1 Institution has created an ecosystem for innovations and has initiatives for creation and transfer of knowledge****Response:**

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.

IEDC conducts idea pitching competition every year for identifying the students with innovative ideas. Further mentoring & guidance is offered to make their idea into reality. IEDC & IIC used to conduct technical talks in association with various clubs in UEC. These interactive sessions provides quality information to the members of IEDC. Also the members are promoted to attend YUVA boot camp conducted in engineering colleges. Members of IEDC developed a smart pen that helps the people with writing disabilities and writing problems This product got presented in Manorama YUVA Mastermind contest. Another product developed was LIMPO ROBO, a robotic technology to reduce man effort by using waste materials. The members of IEDC developed a smart cart to help the customers to shop easily. The AI Based surveillance system developed by the IEDC members got 2 nd prize for Malayala Manorama Yuva Mastermind context & later it turned upon as start up.

Institution also had implemented NISP policy to create an innovation ecosystem among the students and faculty, there by promoting them to emerge as entrepreneur. Few start-ups had also evolved from the



students and faculty in the incubation center of UEC, while few are in the verge of incubation.

File Description	Document
Upload any additional information	<a href="#">View Document</a>
Paste link for additional information	<a href="#">View Document</a>

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

Response: 0

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

2020-21	2019-20	2018-19	2017-18	2016-17
0	0	0	0	0

File Description	Document
List of workshops/seminars during last 5 years	<a href="#">View Document</a>

## 3.3 Research Publications and Awards

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

Response: 1

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

Response: 1

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

Response: 1

File Description	Document
List of PhD scholars and their details like name of the guide , title of thesis, year of award etc	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

**3.3.2 Number of research papers per teachers in the Journals notified on UGC website during the last five years****Response:** 0.18**3.3.2.1 Number of research papers in the Journals notified on UGC website during the last five years.**

2020-21	2019-20	2018-19	2017-18	2016-17
10	1	2	0	2

File Description	Document
List of research papers by title, author, department, name and year of publication	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

**3.3.3 Number of books and chapters in edited volumes/books published and papers published in national/ international conference proceedings per teacher during last five years****Response:** 0.04**3.3.3.1 Total number of books and chapters in edited volumes/books published and papers in national/ international conference proceedings year-wise during last five years**

2020-21	2019-20	2018-19	2017-18	2016-17
1	0	0	0	2

File Description	Document
List books and chapters edited volumes/ books published	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

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

UEC provides opportunities to the students to engage in various extension activities. This helps them to apply the knowledge acquired into reality through experiential learning. This helps them to adapt with the challenging situations in life. Extension activities are done through NSS, IEDC, ENCON club and through various departments. UEC has always been working in association with local bodies and public utility services. The ENCON club of UEC has achieved best ENCON club award from BPCL Kochi refinery consecutively for five years. The NSS unit (Unit No:590) got appreciation from the various parts of the society for the support and involvement in flood rescue, and relief activities during 2018-2019 floods. UEC volunteers collected and distributed the cloths and food items to flood victims. Institution had also engaged in cleaning programmes in nearest localities

File Description	Document
Upload any additional information	<a href="#">View Document</a>
Paste link for additional information	<a href="#">View Document</a>

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

**Response:** 4

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

2020-21	2019-20	2018-19	2017-18	2016-17
0	0	2	0	2

File Description	Document
Number of awards for extension activities in last 5 year	<a href="#">View Document</a>
e-copy of the award letters	<a href="#">View Document</a>

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

**Response:** 57

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

2020-21	2019-20	2018-19	2017-18	2016-17
6	7	8	20	16

File Description	Document
Reports of the event organized	<a href="#">View Document</a>
Number of extension and outreach Programmes conducted with industry, community etc for the last five years	<a href="#">View Document</a>

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

**Response:** 24.5

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

2020-21	2019-20	2018-19	2017-18	2016-17
970	99	84	100	100

File Description	Document
Report of the event	<a href="#">View Document</a>
Average percentage of students participating in extension activities with Govt or NGO etc	<a href="#">View Document</a>

## 3.5 Collaboration

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

**Response:** 89

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

2020-21	2019-20	2018-19	2017-18	2016-17
5	1	40	21	22

<b>File Description</b>	<b>Document</b>
e-copies of related Document	<a href="#">View Document</a>
Details of Collaborative activities with institutions/industries for research, Faculty exchange, Student exchange/ internship	<a href="#">View Document</a>

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

**Response: 8**

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

2020-21	2019-20	2018-19	2017-18	2016-17
3	3	2	0	0

<b>File Description</b>	<b>Document</b>
e-Copies of the MoUs with institution/ industry/corporate houses	<a href="#">View Document</a>
Details of functional MoUs with institutions of national, international importance, other universities etc during the last five years	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

## Criterion 4 - Infrastructure and Learning Resources

### 4.1 Physical Facilities

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

**Response:**

There are 5 academics and one non-academic blocks in the campus. Academic blocks consist of main block, A, B blocks, lab block & lab annex. Non- academic block consists of facilities for physical education, PMKVY, & canteen. Mechanical & Civil departments are in B block, Computer Science, Electrical and Electronics, Electronics and Communication departments are in the A block, while first year classes of all departments are in the main block. College has well maintained administration area, canteen, girls hostel, sports facilities, transportation, internet, prayer room, store, sick room, project lab, digital library and conference hall. UEC also has infra facilities for conducting placement drives, rooms for IEDC, PMKVY, NSS and ENCON CLUB. College has all laboratory facilities prescribed by the university. All the laboratory is maintained well by the concerned parent department. Workshop superintendent also coordinates all the day today and maintains activities. Apart from the laboratory facilities prescribed by the university, college has facility set up by skill development platform Kerala (SDPK). The facility consists of interactive display, audio system, sound sensing camera and mic. This facility helps to conduct online interactive sessions for the students. The same is installed in the computer lab, making it useful for conducting hands on sessions in online mode. Civil engineering department has facilities to offer consultancy work for testing the building materials & for checking the quality of water. UEC has 7 scanning machines, 46 printers and fax facilities. For maintaining reliable power supply UEC has 80 KVA diesel generator set for campus load & girls hostel. For interactive mode of teaching learning process UEC have ICT enabled smart classroom facilities. UEC have two open wells, one is exclusively for girls hostel, which the other is for college and gardening & landscaping area. Water filters & coolers are also available & bottled drinking water is also made available in all the floor in every blocks.

File Description	Document
Upload any additional information	<a href="#">View Document</a>
Paste link for additional information	<a href="#">View Document</a>

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

**Response:**

UEC has facilities for nurturing sports, cultural activities and games (indoor, outdoor). The physical education department of the college monitors and guides all the sports facilities. Inter college tournaments and annual meets are organised by the physical education department for developing sport skills, team spirit and leadership qualities. UEC has kabaddi court 13m2x8m2, Shuttle & Badminton court 13.4m2x6.1m2, volleyball 18m2x 9m2 and football court 90m2x50m2. To maintain a good mental health of the individual in the sports team, physical education department provides special attention for the same.

The tournaments like zonal & inter zone volleyball, cricket, football, basketball and badminton are being conducted through physical education department of universal engineering college with the support from management. Team selection will be done regularly for each sports items. they will be given special coaching to improve their skills & talents. The same is reflected in the achievements of our sports team. Few of the students from our sports team got selected in the university team. UEC conducts cultural fest every year by including various forms of arts to showcase the talents of students. They are also given opportunity during the celebration of festivals and commemorative days like Christmas, Onam and other festivals.

File Description	Document
Upload any additional information	<a href="#">View Document</a>
Paste link for additional information	<a href="#">View Document</a>

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

**Response:** 27.59

##### 4.1.3.1 Number of classrooms and seminar halls with ICT facilities

Response: 8

File Description	Document
Upload Number of classrooms and seminar halls with ICT enabled facilities (Data Template)	<a href="#">View Document</a>
Upload any additional information	<a href="#">View Document</a>
Paste link for additional information	<a href="#">View Document</a>

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

**Response:** 24.86

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

2020-21	2019-20	2018-19	2017-18	2016-17
4.97	4.47	4.64	45.25	393.98

File Description	Document
Upload Details of budget allocation, excluding salary during the last five years (Data Template)	<a href="#">View Document</a>
Upload audited utilization statements	<a href="#">View Document</a>
Upload any additional information	<a href="#">View Document</a>

## 4.2 Library as a Learning Resource

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

#### Response:

Name of ILMS software: KOHA

Nature of automation: Fully

Version:3.12

Year of Automation:2012

Central library of universal engineering college is spread over 400m<sup>2</sup> with a collection of 15000 number of text books, journals, e-journals. The books of Indian and foreign authors are available in the library. Library is located in the main block with the seating capacity of 50 members, digital library is having a seating capacity of 21 number of systems with Internet access speed of 100 mbps, reading area and reference sections etc. To make the book search Dewey decimal classification system is followed. All the teaching and non-teaching staffs & students can have the library membership. All can access newspapers, University question paper. Special space is provided for keeping the reference books.

File Description	Document
Upload any additional information	<a href="#">View Document</a>
Paste link for Additional Information	<a href="#">View Document</a>

### 4.2.2 The institution has subscription for the following e-resources

- 1.e-journals
- 2.e-ShodhSindhu
- 3.Shodhganga Membership
- 4.e-books
- 5.Databases



**6. Remote access to e-resources****Response:** B. Any 3 of the above

File Description	Document
Upload any additional information	<a href="#">View Document</a>
Details of subscriptions like e-journals, e-ShodhSindhu, Shodhganga Membership , Remote access to library resources, Web interface etc (Data Template)	<a href="#">View Document</a>

**4.2.3 Average annual expenditure for purchase of books/e-books and subscription to journals/e-journals during the last five years (INR in Lakhs)****Response:** 1.67**4.2.3.1 Annual expenditure of purchase of books/e-books and subscription to journals/e-journals year wise during last five years (INR in Lakhs)**

2020-21	2019-20	2018-19	2017-18	2016-17
0.4307	0.15181	1.07906	0.3426	6.35943

File Description	Document
Details of annual expenditure for purchase of books/e-books and journals/e-journals during the last five years (Data Template)	<a href="#">View Document</a>
Audited statements of accounts	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

**4.2.4 Percentage per day usage of library by teachers and students ( foot falls and login data for online access) during the latest completed academic year****Response:** 0.59**4.2.4.1 Number of teachers and students using library per day over last one year****Response:** 7

File Description	Document
Details of library usage by teachers and students	<a href="#">View Document</a>

### 4.3 IT Infrastructure

#### 4.3.1 Institution frequently updates its IT facilities including Wi-Fi

##### Response:

UEC has 6 Computer Labs. Main computer lab has 60 computers with the configuration intel dual core, 3 GHz ,2GB RAM,500GB & 320 GB HDD, Wipro H41 motherboard, 19 inch LED monitor, USB mouse and PS2 & USB keyboard. Facility for Skill Development Platform Kerala for conducting online interactive sessions are installed in the main computer lab with Cisco SX80 Codec with speaker tracker camera, ceiling Mic G2, LG 86TR3E Interactive display 86, Sondodyne, Rack 4U, connectors and cables. Civil Engineering Department has a CAD lab with 41 computers with the configuration intel dual core 3.10 GHz,4 GB RAM, 500GB HDD, keyboard H61, 18.5 Monitor, USB Mouse, Keyboard H 61 Dell USB. Mechanical Engineering Department has a CAD lab with 41 computers with the configuration intel dual core 3.10 GHz,4 GB RAM, 500GB HDD, keyboard H61 Gigabyte, 18.5 Monitor, USB Mouse Dell, USB Keyboard Dell. Computer science Engineering has Language Lab with 41 computers having the configuration INTEL DUAL CORE 2030 Processor, 3.00 GHZ, RAM 4 GB, HDD 500 GB, Motherboard Gigabyte H61, Monitor 18.5 LEDC Monitor, Logitech USB Mouse. The Electronics and Communication Department owns a VLSI Lab has10 computers with the configuration INTEL DUAL CORE 3.10 GHZ, RAM 2 GB, 500 GB HDD, Motherboard Dell H 61, Monitor 18.5 inch, USB Mouse DELL, USB Keyboard DELL. Electrical and Electronics Engineering Department has Advanced Electrical Engineering Lab which have 20 computers having the configuration INTEL DUAL CORE 3.0 GHz processor, 4 GB RAM, HDD 500 GB, Motherboard H61 GB, Monitor 18.5 inch, Keyboard Logitech USB and USB Mouse Logitech make.

Electronic Circuit Lab consists of 10 number of systems, with INTEL DUAL CORE 3.10 GHz processor, 2 GB RAM, HDD 500 GB, Motherboard Dell H61 GB, Monitor 20 inch, Keyboard Dell USB and Mouse Dell USB. Digital Library consists of 21 computers with the configuration INTEL DUAL CORE i3 3.10 GHz processor, 4 GB RAM, 500 GB HDD, Motherboard H61 GB, 18.5-inch Monitor, Keyboard Logitech make and USB Mouse Logitech make. The entire campus is implemented Wi fi enabled with 20 number of access points.

File Description	Document
Upload any additional information	<a href="#">View Document</a>

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

Response: 4.63

File Description	Document
Upload any additional information	<a href="#">View Document</a>
Student – computer ratio	<a href="#">View Document</a>

**4.3.3 Bandwidth of internet connection in the Institution****Response:** A. 750 MBPS

File Description	Document
Upload any additional Information	<a href="#">View Document</a>
Details of available bandwidth of internet connection in the Institution	<a href="#">View Document</a>

**4.4 Maintenance of Campus Infrastructure****4.4.1 Average percentage of expenditure incurred on maintenance of infrastructure (physical and academic support facilities) excluding salary component during the last five years(INR in Lakhs)****Response:** 1.72**4.4.1.1 Expenditure incurred on maintenance of infrastructure (physical facilities and academic support facilities) excluding salary component year-wise during the last five years (INR in lakhs)**

2020-21	2019-20	2018-19	2017-18	2016-17
3.39	3.24	1.88	8.49	10.20

File Description	Document
Details about assigned budget and expenditure on physical facilities and academic support facilities (Data Templates)	<a href="#">View Document</a>
Audited statements of accounts	<a href="#">View Document</a>

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

UEC is having well maintained physical, academic and support facilities. The institution is set up in a landscape of 10 acres in a rural area, with well-constructed buildings and facilities like smart classrooms, adequate furniture's, canteen, men and woman hostel, restrooms and toilets. UEC have 3 seminar halls and several tutorial rooms. LCD projectors are available in classrooms and seminar halls for the effective presentation of students and staffs. To carry out all the experiments in curriculum UEC has adequate lab facilities. Each lab is managed and maintained by a faculty in charge and technical assistant. For the benefit of the students UEC have computing laboratories with computers, printers and internet connectivity. Most of the labs are utilized exclusively by the students of the department for their lab

activities and UG/PG project works. The whole campus is Wi-Fi enabled and staff members and students use the facility for accessing the internet. The central library with over 15,000 volumes and 5075 titles. Digital library can be accessed by the staff and students to read and access e-books and e-journals. The department library can be used by students and teachers of the department. As per the rules of library students can take books to home and can return. The department of physical education has the facilities for indoor and outdoor games. Students and staff members of the college utilizes these facilities to participate in the inter college games and sports competition. Institution provides various other services/ facilities for the students and staff members which are as follows:

- Water coolers mineral water bottle for clean and portable drinking water.
- Fire-fighting system for fire safety.
- Canteens for non & vegetarian food.
- Auditorium for conducting events.
- Tie-up with hospital for any medical emergency.
- System administrator for addressing internet & networking problems.

File Description	Document
Paste link for additional information	<a href="#">View Document</a>

## Criterion 5 - Student Support and Progression

### 5.1 Student Support

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

Response: 16.41

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

2020-21	2019-20	2018-19	2017-18	2016-17
188	152	121	115	297

#### File Description

#### Document

upload self attested letter with the list of students sanctioned scholarship

[View Document](#)

Upload any additional information Average percentage of students benefited by scholarships and freeships provided by the Government during the last five years (Data Template)

[View Document](#)

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

Response: 0

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

2020-21	2019-20	2018-19	2017-18	2016-17
0	0	0	0	0

File Description	Document
Number of students benefited by scholarships and freeships institution / non- government agencies in last 5 years (Date Template)	<a href="#">View Document</a>

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

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

Response: B. 3 of the above

File Description	Document
Details of capability building and skills enhancement initiatives (Data Template)	<a href="#">View Document</a>
Link to Institutional website	<a href="#">View Document</a>

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

Response: 4.66

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

2020-21	2019-20	2018-19	2017-18	2016-17
261	0	0	0	0

File Description	Document
Number of students benefited by guidance for competitive examinations and career counselling during the last five years	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

### 5.1.5 The Institution has a transparent mechanism for timely redressal of student grievances including sexual harassment and ragging cases

1. Implementation of guidelines of statutory/regulatory bodies
2. Organisation wide awareness and undertakings on policies with zero tolerance
3. Mechanisms for submission of online/offline students' grievances
4. Timely redressal of the grievances through appropriate committees

**Response:** A. All of the above

File Description	Document
Upload any additional information	<a href="#">View Document</a>
Minutes of the meetings of student redressal committee, prevention of sexual harassment committee and Anti Ragging committee	<a href="#">View Document</a>
Details of student grievances including sexual harassment and ragging cases	<a href="#">View Document</a>

## 5.2 Student Progression

### 5.2.1 Average percentage of placement of outgoing students during the last five years

**Response:** 6.34

#### 5.2.1.1 Number of outgoing students placed year - wise during the last five years.

2020-21	2019-20	2018-19	2017-18	2016-17
58	27	0	0	0

File Description	Document
Self attested list of students placed	<a href="#">View Document</a>
Details of student placement during the last five years (Data Template)	<a href="#">View Document</a>

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

**Response:** 11.94

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

**Response:** 32

File Description	Document
Upload supporting data for student/alumni	<a href="#">View Document</a>
Details of student progression to higher education (Data Template)	<a href="#">View Document</a>

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

**Response:** 3.56

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

2020-21	2019-20	2018-19	2017-18	2016-17
1	0	1	0	0

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

2020-21	2019-20	2018-19	2017-18	2016-17
15	10	9	12	17

File Description	Document
Upload supporting data for the same	<a href="#">View Document</a>
Number of students qualifying in state/ national/ international level examinations during the last five years (Data Template)	<a href="#">View Document</a>

## 5.3 Student Participation and Activities

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

**Response:** 6



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

2020-21	2019-20	2018-19	2017-18	2016-17
0	3	1	2	0

<b>File Description</b>	<b>Document</b>
Number of awards/medals for outstanding performance in sports/cultural activities at university/state/ national/international level during the last five year	<a href="#">View Document</a>
e-copies of award letters and certificates	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

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

**Response:**

For the prosperity and wellbeing of the institute, the students play an important role. UEC always tries to build a relation of material respect and try to cultivate the essence of pride among the students. UEC always tries to drive the students to be passionate about the vision and mission of the college for the successful performance of the institution. In the committees, council, association and other bodies students have active representation. For the curricular and non-curricular activities / extracurricular activities, the committees are formed for every activity with student representation. The students are having a major role in association activities of Engineering departments. Students with association banner organizes technical workshops, fests, exhibition etc. in association with institution or various other clubs.

Activities are organized on commemorative days by the student associations or various clubs. This in turn helps the students to create an awareness about the day as well as to create a globalized outlook. UEC students are getting opportunities to mingle with eminent personalities through various activities/ programs organized by various clubs/associations/initiations. Most of these activities are planned & organized by the students. Students are also the part of anti-ragging cell, Internal Complaints Cell, Student Grievances and Appeal Committee, students welfare committee and Alumni.

The representation of students in administration starts with class representative, course committee in which they play an important role for the smooth conduct of academic activities. Through class and course committee, the students representing the class can provide feedback on the course delivery, pace of teaching, portion coverage, level of understanding, the topics covered etc. related to all the subjects in that class (class committee) or a particular course (course committee) this will improve the efficiency of the

teaching- learning process. The class representatives can arise suggestions/ complaints related to the academic/ nonacademic or lack of infrastructure facilities available etc. through college union, college union also plans and organizes the activities for the welfare of students.

The college union is elected in a democratic way. these are 2 representatives from each class ensuring that at least one member from each class or a lady representative. The tech fest, arts fest, sports, outreach programs, technical talks training and other socially related activities are planned & organized by the students union with the support of the institution. All the activities or initiatives of the students' union are initially submitted to the staff advisor. The principal approves the proposal as such or suggests the changes if required and approves it once the suggestions made by him is/are incorporated. Necessary funding if required will also be provided by the institution.

File Description	Document
Upload any additional information	<a href="#">View Document</a>

### 5.3.3 Average number of sports and cultural events/competitions in which students of the Institution participated during last five years (organised by the institution/other institutions)

**Response:** 1.2

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

2020-21	2019-20	2018-19	2017-18	2016-17
0	2	1	2	1

File Description	Document
Report of the event	<a href="#">View Document</a>
Number of sports and cultural events/competitions in which students of the Institution participated during last five years (organised by the institution/other institutions (Data Template)	<a href="#">View Document</a>

## 5.4 Alumni Engagement

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

**Response:**

UEC Alumni stands for creating & maintaining a healthy relationship between the institution stakeholders and the Alumni. By giving constant support & guidance the Alumni helps the students to achieve better opportunities in their career. UEC Alumni was formed in 2019. And more than 300 active members are there.

**Alumni initiatives:**

Provided financial support to the staff who were affected by flood

**Aims and objectives of Alumni:**

1. To strengthen relationship between alumni and the institution.
2. To provide an awareness regarding the activities of various industries to the current students of the college.
3. To inform the alumni about the growth and development of the college.
4. To promote social and cultural activities of former and current students of UEC.
5. To raise and administer funds for the development of the society as well as the alma mater.
6. To work as a catalyst to the passed out students for finding out job opportunities as per their qualification with the help of placement cell.

File Description	Document
Upload any additional information	<a href="#">View Document</a>
Paste link for additional information	<a href="#">View Document</a>

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

**Response:** E. <1 Lakhs

File Description	Document
Upload any additional information	<a href="#">View Document</a>
Link for any additional information	<a href="#">View Document</a>

## Criterion 6 - Governance, Leadership and Management

### 6.1 Institutional Vision and Leadership

#### 6.1.1 The governance of the institution is reflective of and in tune with the vision and mission of the institution

**Response:**

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

Universal engineering College was started in 2011. UEC thrives to be an outstanding institution among the peer institution. UEC aims at delivering quality education and guidance to the students aiming at the upliftment of rural community.

File Description	Document
Upload any additional information	<a href="#">View Document</a>
Paste link for additional information	<a href="#">View Document</a>

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

**Response:**

- The institution follows uniform dress code for the students. They have to wear workshop coats and black shoes in all the labs except computer labs for ensuring safety and security of the students during the lab hours.
- The authorities concerned monitor the discipline in the campus among the students as well as staffs.
- Institution follows strict class timing and the attendance for the students and working hours for the faculty and other non technical staff.
- Institution has prescribed strict code of conduct for the students and staff inside the campus.
- Parking space for students and staff vehicle is provided inside the campus.
- Safety rules, proper decorum and punctuality should be initiated in the laboratories. Strict discipline should be maintained in the library. Matron/ warden is posted in boys and ladies hostel to ensure safety and discipline.

- IQAC, Academic council, placement cell, examination cell are the few committees formed for decentralizing the activities of the institution

File Description	Document
Upload any additional information	<a href="#">View Document</a>

## 6.2 Strategy Development and Deployment

### 6.2.1 The institutional Strategic / Perspective plan is effectively deployed

#### Response:

UEC strives to achieve its vision through all its endeavors. All activities of the department and association are inclined towards achieving the goal. The vision and mission of the department and clubs are formulated in line with the vision and mission of the institution. Department, clubs and associations are directed to submit the activity plans prior in accordance with the academic calendar of the institution. IQAC of the UEC also plans and directs to various clubs and departments to organize or attend its events or activities.

IQAC also takes corrective measures if necessary in all the activities or initiatives of the institution/ clubs/association/ cells to ensure all the Programme are intended to achieve the college mission and vision on long run.

Proper mentoring is provided to the slow learners and remedial classes are provided to uplift them. SPEAC is formed for improving the results and quality of the students. LEAD Programme intended to improve the soft skills of the students. Mock interviews are conducted to improve interpersonal skills and to create confidence among the students. Add on courses are planned to fill the gaps in syllabus. Industrial training provided make them aware about latest development in the industries. IEDC motivated and mentors the students to come up with innovative ideas and to become entrepreneurs.

Incubation facilities are also given to the students. Technical events and outreach programmes are organized by the departments, clubs or technical associations to introduce experimental learning among the students and to mold them as socially committed engineers with strong ethical values. Scholarship are provided to economically weaker sections to uplift them. Five-year plan is prepared by including all its stake holders so that many suggestions will arise from different perceptions. All the suggestions then attained are evaluated and summarized to prepare the finalized 5-year plan. Necessary steps are initiated by all the stakeholders of the institution towards achieving all the milestones set in the five-year plan and timely corrective measures are taken in due course of time in required. All the activities are monitored by the management while the quality of the activities are monitored by IQAC and corrective measures are suggested if there is any deviation from the set plans.

File Description	Document
Upload any additional information	<a href="#">View Document</a>
strategic Plan and deployment documents on the website	<a href="#">View Document</a>
Paste link for additional information	<a href="#">View Document</a>

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

#### Response:

UEC is working effectively and efficiently with the support of its policies, administrative setup, appointment service rules and procedures. In accordance with the guideline and policies of the university and AICTE. UEC have its own policies on the various functions of the institution.

Some of the laid down policies are:

Academic manual, Quality policy, Quality systems manual, HR Policy, Maintenance Policy, Admission Policy, Purchase Policy, Bus service policy.

Administrative Setup: -

The highest body of the institution is the board of directors. The governing body & academic council discusses, the issues, policy updating matters and other various activities. In a regular interval governing body & academic council meets to update the matters. Director board constitutes Chairman (1), Chief Patron (1), Vice Chairman (2), Secretary (1), Treasurer (1), Joint Secretary (1), Executive Director (1), Executive Member (2), (with the support of principal chief financial officer manages the financial section.)

The principal supervises, directs, and controls the academic related functions faculty and students. The administrative coordinator controls the all non-academic functions and the people responsible for those functions.

The main functions/functional staff coming under the control of principal are:

1. Director IQAC
2. UG/PG Dean
3. Head of Departments
4. Head of Physical Education
5. Additional Chief Superintend/ workshop superintend
6. Training & Placement Officer

7.Librarian

9.Various Committee coordinators and

8.Hostel Warden

The functional staffs supervised by the administrative manager are:

Transport officer, Office assistant, HR Section, Students section, Office attenders, Maintenance supervisor, Security, Canteen/ Cleaning Supervisor etc.

File Description	Document
Upload any additional information	<a href="#">View Document</a>
Link to Organogram of the Institution webpage	<a href="#">View Document</a>

### 6.2.3 Implementation of e-governance in areas of operation

- 1.Administration
- 2.Finance and Accounts
- 3.Student Admission and Support
- 4.Examination

**Response:** C. 2 of the above

File Description	Document
Screen shots of user interfaces	<a href="#">View Document</a>
ERP (Enterprise Resource Planning) Document	<a href="#">View Document</a>
Details of implementation of e-governance in areas of operation, Administration etc	<a href="#">View Document</a>

## 6.3 Faculty Empowerment Strategies

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

**Response:**

The growth of an organization depends on its employees. For the effective & comfortable working of employees UEC has effective welfare schemes.

1. Welfare schemes for teaching staff
2. Welfare schemes for non-teaching staff
3. UEC provides provident fund and ESI facilities for the teaching & non-teaching staff

4. UEC provides all facilities for teaching learning process
5. UEC provides transportation facilities to the teaching & non-teaching staff
6. Institution provides accommodation for those who opt for it
7. To ensure the security and dignity of women UEC has an internal complaints cell
8. UEC has installed drinking watercoolers at different locations

#### Staff Club

UEC has an effective staff club for teaching and non-teaching staff. For the welfare of the staff, staff club of UEC has conducted the following activities: the staff club: -

1. Collected money for the teaching and non-teaching staff affected during the time of flood.
2. Staff tour
3. Organize Onam and Christmas celebration

Maternity leave: female staff having 2 years of continuous service including probation period in the college shall be eligible for 90 days' maternity leave.

Duty leave: providing DL for the events deputed by college or University for any specific duty outside the campus.

Special facilities for Muslim community staff: to follow the custom of Muslim staff members lunch interval is extended to two hours on Friday, prayer room is also provided.

Leaves: the college provides casual leave and medical leave for all its employees as per the policy of institute.

Employee provident fund shall be enrolled as members as such, on the date of their joining the college

Gratuity: Employers who completed 5 years' service will be eligible for the service gratuity at the rate of ½ months' salary for every completed year.

ESIC Scheme: this facility is provided to all its employees having gross salary less than or equal to 21,000 per month.

Transport facilities are available for the staffs who opt for it.

Canteen facility: the college offers canteen facility to provide quality food to all.

Sport facility: it is available to maintain a healthy and balanced life. Inter college staff tournament are also held



File Description	Document
Upload any additional information	<a href="#">View Document</a>

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

Response: 0

#### 6.3.2.1 Number of teachers provided with financial support to attend conferences/workshops and towards membership fee of professional bodies year wise during the last five years

2020-21	2019-20	2018-19	2017-18	2016-17
0	0	0	0	0

File Description	Document
Details of teachers provided with financial support to attend conference, workshops etc during the last five years	<a href="#">View Document</a>

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

Response: 2.8

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

2020-21	2019-20	2018-19	2017-18	2016-17
4	2	4	4	0

File Description	Document
Upload any additional information	<a href="#">View Document</a>
Reports of the Human Resource Development Centres (UGC ASC or other relevant centres)	<a href="#">View Document</a>
Details of professional development / administrative training Programmes organized by the University for teaching and non teaching staff	<a href="#">View Document</a>

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

**Response:** 13.72

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

2020-21	2019-20	2018-19	2017-18	2016-17
22	9	10	7	5

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

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

**Response:**

To improve the weaker areas of staffs, UEC have a robust performance appraisal system. Teaching and non-teaching staff submits their self-appraisal report based on their individual assessment to the HOD in every academic year. During the end of each year, HOD's submit their self-appraisal to the principal. The major categories of performance appraisal are:

**Evaluation by the Principal based on Self-Appraisal – 20**

**Evaluation by the HoD based on Self-Appraisal- 45**

**Evaluation by FACULTY based on feedback- 135**

Another system available in the institution is to evaluate the teaching learning process through student feedback system using AMS. In this system the students are able to evaluate the performance of the teacher based on the factors such as knowledge of the teacher, understandability, explanation, willingness to help, punctuality, behavior, and sincerity. The overall performance will be evaluated for grade point out of 10. Head of the institution will give the comments to improve the performance of the teacher for any low index response.

File Description	Document
Upload any additional information	<a href="#">View Document</a>
Paste link for additional information	<a href="#">View Document</a>

## 6.4 Financial Management and Resource Mobilization

### 6.4.1 Institution conducts internal and external financial audits regularly

#### Response:

UEC is an unaided self-financing institution, the institute depends on our own sources of financing for the successful running of the institution.

- 1.External Audit: External Audit is conducted for verifying compliance of authorities like university, AICTE, government, local authorities, income tax department.

The following are the aspects cover under audits: Voucher Checking, Bank balance verification and physical cash, Banker reconciliation, Purchases, miscellaneous.

File Description	Document
Upload any additional information	<a href="#">View Document</a>

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

#### Response: 0

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

2020-21	2019-20	2018-19	2017-18	2016-17
0	0	0	0	0

File Description	Document
Details of Funds / Grants received from of the non-government bodies, individuals, Philanthropers during the last five years	<a href="#">View Document</a>

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

#### Response:

UEC depending upon the various sources for effective and smooth running of the institution:

- The main source of income to run the college is fees from students also the equipment and post completion of the intra structure meets by this income.
- From different agencies UEC is getting consultancy fee for extending the consultancy services.
- The online examinations facilities are given for earning income to supplement the main sources.
- Capital from the promoter: for developing the infrastructure of the institution, Universal education trust contributed the entire investment.

File Description	Document
Upload any additional information	<a href="#">View Document</a>

## 6.5 Internal Quality Assurance System

### 6.5.1 Internal Quality Assurance Cell (IQAC) has contributed significantly for institutionalizing the quality assurance strategies and processes

#### Response:

Vision: To ensure quality in all the activities of universal engineering college for achieving excellent engineering education, imparting skill development and for creating innovation ecosystem with internal and external support.

The objectives are:

- To ensure prompt and sufficient performance of academic, non-academic and administrative activities in a progressive manner.
- To prompt quality academic/research programs.
- To integrate modern methods in teaching and learning process with a student centric approach.
- To ensure quality and credibility of assessment and education process.

IQAC of Universal Engineering College thrives for the quality sustenance and lead a catalytic role for the development of the institution towards excellence. IQAC ensures and improves the quality through its continuous monitoring of all the internal and external activities of the institution.

The monitoring mechanism of IQAC emphasizes on:

- *Quality assurance policy*: IQAC ensures that the quality policy set by the institution for the staff and students is fulfilled.

- *Monitoring and reviewing of all programs and achievements periodically:* IQAC provide suggestions for conducting/attending programs that leads to improvement of quality education and sustenance. Proper monitoring and timely intervention (if needed) in all the programs, ensuring whether its objectives are met or not.
- *Student assessment and monitoring:* Students are assessed based on the guidelines of the University. Mechanisms for the internal assessment is decided by IQAC and timely modifications are made so as to ensure the quality and transparency in the evaluation process.
- *Motivating the faculty for their quality enhancement:* Timely suggestions and measures are taken by IQAC to motivate and assist the faculty in improving their technical skills as well as to use modern tools in teaching-learning process.
- *Learning resources for students:* IQAC ensures that adequate and appropriate resources are available in the institution for each program.

*Timely feedback mechanism from the stakeholders:* Collection and analysis of feedback from the stakeholders with regard to the quality of all the institutional initiatives.

File Description	Document
Upload any additional information	<a href="#">View Document</a>
Paste link for additional information	<a href="#">View Document</a>

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

**Response:**

IQAC was formed in the year 2018 with Dr. Vince Paul as its head. During its inception, the primary goal was to prepare the institute to be ready for the accreditation process. The committee also decided to prepare for NAAC accreditation process at the initial stage and for NBA in the later stage. A small committee was formed, having representatives from all the departments for initiating the preparatory works. The initial meetings of the committee were conducted to identify the short falls that institution have and suggestions were provided to improve the same in the coming years. Journal publications in UGC approved journals, conduct add-on/value added courses, organise and attend Faculty Development Programs, MoU's between college and other institutes/industries, improving the results and placements, formation of academic advisory committee and department advisory committees, were some of the main suggestions put forward by the IQAC. An academic advisory committee named Learning Evaluation And Planning (LEAP) was formed by the college and its first meeting was held on 2nd December 2018 to discuss various areas that needs more focus. The suggestions that arise during the academic council meeting were also incorporated. An orientation program was conducted regarding the NAAC accreditation process for all faculty on 11th December 2018. Dr. Vince Paul was the resource person. The program was intended to provide an insight about the accreditation process and to make faculty aware about all the criteria. Later on another workshop

on the same topic was conducted on 22nd April 2019. This time, all the points in each criterion were discussed in detail. The short falls of the institution had discussed in the workshop and the suggestion for improvement were also provided. Academic file formats were corrected in line with the requirements of NAAC and NBA. The college vision and mission as also changed and the departments were asked to prepare department vision and mission at par with that of the college vision and mission. They were also asked to do a SWOT analysis and do a presentation covering all the departmental activities that had done previously. Two days were allotted for the same; 14th and 17th June 2019. In order to improve the result and to provide special attention to the slow learners Students Performance Enhancement and Assessment Cell (SPEAC) was formed. On 11th December 2019, a workshop on Outcome Based Education was done for faculty. The then IQAC Director, Dr. Narayanan K K and the KTU internal auditor Ms. Anima P were the resource persons. The program was intended to help the faculty in preparing the course outcomes and mapping it with the program outcomes. A program called Leadership Enhancement And Development program (LEAD) was designed for the students by IQAC for improving the communication skills and soft skills. IQAC has recommended the management to encourage the faculty to apply for research and also to attend courses that were available in NPTEL, Coursera, edX etc. By 2019, IQAC was able to minimise all the shortfalls and planned to apply for NAAC by 2021. But during 2020, due to COVID-19 pandemic, all the activities were delayed. However, IQAC had directed to conduct online programs to use the situation to its maximum. Lot of webinars and technical talks were organised during the period. Faculty development programs were also conducted online, even an online international conference was organised. IQAC had taken special attention to closely monitor the conduct of online classes to ensure the quality of course delivery and the conduct of online exams. Another workshop on Outcome Based Education was done on 4th December 2021 for the faculty. The workshop was mainly intended for the newly joined faculty. As part of the preparation of five-year plan for the period 2022-27, a program “UEC 2k27 – Journey towards Excellence” was organised on 25th March 2022. All the staffs including teaching, non-teaching and office staffs were divided into five groups and were asked to discuss and prepare a five-year plan keeping in mind the vision and mission of the institute and to present it by 18th April 2022. The best suggestions that arise will be taken up by the IQAC or concerned authority for implementation.

File Description	Document
Upload any additional information	<a href="#">View Document</a>
Paste link for additional information	<a href="#">View Document</a>

### 6.5.3 Quality assurance initiatives of the institution include:

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

**Response:** C. 2 of the above

<b>File Description</b>	<b>Document</b>
Upload e-copies of the accreditations and certifications	<a href="#">View Document</a>
Upload details of Quality assurance initiatives of the institution	<a href="#">View Document</a>
Upload any additional information	<a href="#">View Document</a>

NVAAC

## Criterion 7 - Institutional Values and Best Practices

### 7.1 Institutional Values and Social Responsibilities

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

**Response:**

To ensure the gender equality in every aspect, UEC has organised several programs to make the students and staff aware on the importance of equality.

**Facilities for Women and measures to ensure equality in areas where they are lagging behind:**

Internal compliant cell of the institution is constituted with a woman as the convener. All female staffs and students in the college are free to lodge compliant, if any, with regard to the misbehaviours, lack of facilities, ill treatment, discrimination etc. The concerned authority will take the appropriate measures or actions.

To ensure privacy for girl students, separate washrooms, toilets, common rooms, facilities for doing prayer and ladies hostel are available.

UEC provides equal consideration to women for them being employed as faculty, non-teaching staff, and office staffs and at administrative roles. UEC had constituted Women cell in 2022, to ensure that they are comfortable at UEC at every aspects. In connection with woman's day on March 8, awareness programs are organised by women cell. Women cell had also kept She Box to share the concerns and complaints of woman staffs & students.

File Description	Document
Link for specific facilities provided for women in terms of: a. Safety and security b. Counselling c. Common Rooms d. Day care center for young children e. Any other relevant information	<a href="#">View Document</a>
Link for annual gender sensitization action plan	<a href="#">View Document</a>

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

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

**Response:** E. None of the above



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

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

#### Response:

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.

File Description	Document
Any other relevant information	<a href="#">View Document</a>
Link for Geotagged photographs of the facilities	<a href="#">View Document</a>

### 7.1.4 Water conservation facilities available in the Institution:

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

Response: D.1 of the above

File Description	Document
Geotagged photographs / videos of the facilities	<a href="#">View Document</a>

### 7.1.5 Green campus initiatives include:

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

**Response:** A. Any 4 or All of the above

File Description	Document
Various policy documents / decisions circulated for implementation	<a href="#">View Document</a>
Geotagged photos / videos of the facilities	<a href="#">View Document</a>

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

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

**Response:** C. 2 of the above

File Description	Document
Certificates of the awards received	<a href="#">View Document</a>
Any other relevant information	<a href="#">View Document</a>

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

- 1.Built environment with ramps/lifts for easy access to classrooms.
- 2.Divyangjan friendly washrooms
- 3.Signage including tactile path, lights, display boards and signposts
- 4.Assistive technology and facilities for Divyangjan accessible website, screen-reading software, mechanized equipment
- 5.Provision for enquiry and information : Human assistance, reader, scribe, soft copies of reading material, screen reading

**Response:** A. Any 4 or all of the above

File Description	Document
Geotagged photographs / videos of the facilities	<a href="#">View Document</a>

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

**Response:**

To improve the harmonious relationship, UEC has the HR policy. We celebrate every festival without any

discrimination. UEC celebrates traditional occasions & important days with appropriate cultural programs, lectures, seminars etc. We celebrate independence day, environment day, Onam, Christmas. To create an inclusive environment with students and teachers, NSS and ENCON club celebrates yoga day, engineer's day, NSS day and environmental day. These programs help to develop harmony towards culture, religion and other diversities. The courses like life skill, constitution of India and professional ethics is mandatory to all students across disciplines as per the university curriculum.

The NSS and ENCON club of UEC has undertaken many socially responsible programs and charity initiatives for the underprivileged society.

UEC have a conscious sensitization to divyang persons. The ramps, wheelchair, washrooms are available for the divyang persons.

UEC gives admission to students from all sort of society irrespective of, financial capability, gender, social status, caste and creed. Equal consideration is provided for all the students for participating in the socio-cultural activities and skill development initiatives apart from the university curriculum. UEC is following mixed class- scheme for male and female students, common staff room for gents and lady faculties and other staffs. Other activities like study tours, projects, internships, cultural activities and sports are under taken by mixed groups of girls and boys leaving no space for gender discrimination. Identification of students for internships, placement and conferences based on the credits achieved in each semester.

File Description	Document
Link for supporting documents on the information provided (as reflected in the administrative and academic activities of the Institution)	<a href="#">View Document</a>
Link for any other relevant information	<a href="#">View Document</a>

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

##### **Response:**

UEC is fully aware about its role as influencers and shapers, since the future of our country depends on the quality of the youth that we are creating. As citizens of India, we have certain rights and responsibilities, and should perform some duties as well. UEC is well aware of its constitutional laws and responsibilities. Some specific activities that we focus on to give awareness regarding one's constitutional roles and responsibilities are as follows:

- As a part of curriculum a non-credit course – Constitution of India is offered to the students.
- To ensure and sensitize social obligations, college has Anti-Ragging cell, Internal Compliant Cell, PTMA & staff club.
- UEC strictly follow its rules to avoid discriminations among staff and students based on religion, caste, creed, gender, social and financial status.
- In order to help the below average students,UEC has launched the platform SPEAC to enhance the

students' performance in every semester in all the aspects and evaluate their level of achievement. Through this evaluation, SPEAC classifies the students into average and below average category and tries to uplift & help the below average students by providing special assistance in the weaker areas.

- To preserve the ecological balance and to protect the environment, initiatives/activities like Haritha Kerala program, green campus initiative, Thaneerkudam project were taken up by various clubs of UEC.
- During the time of flood, faculty and students came forward to help the affected community in association with various local government bodies. They had also collected funds and food items to help the needy.
- UEC celebrates commemorative days like Republic day, Independence day, etc. to increase the spirit of patriotism among the younger generation.

File Description	Document
Link for details of activities that inculcate values necessary to render students in to responsible citizens	<a href="#">View Document</a>

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

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

**Response:** D. 1 of the above

File Description	Document
Details of the monitoring committee composition and minutes of the committee meeting number of programmes organized reports on the various programs etc in support of the claims	<a href="#">View Document</a>

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

**Response:**

The staff and students of the institute celebrate all the festival and commemorative days irrespective of caste, creed & community. Various days celebrated in our institution are:

Republic day and Independence day is celebrated by hoisting the flag and the Principal delivers a speech

that helps the students to envisage our past and the pain that the freedom fighters had undergone. On March 8th, Woman's day is celebrated and various programs/activities are organised on the day. Environment day is celebrated on 5th June in the campus to spread awareness about the environmental sustenance. September 15th is celebrated as Engineers day by conducting technical talks. On September 5th teacher's day is celebrated by the students to express their gratitude. Onam is celebrated by both the students and staff with state's traditional cultural programs and games like tug of war, onathallu, and uriyadi. Traditional meals(OnaSadya) also served during the Onam celebration. Christmas and Eid are also celebrated with various programs by both staff and students of UEC. Gandhi Jayanthi is celebrated by cleaning the public places & college surroundings. On September 24th NSSday is celebrated to instil the culture of social commitment among students, and also to serve the community without any bias. World Drug Day, is celebrated by conducting awareness programs for students to prevent the usage of drugs. International woman's day is celebrated by the woman cell by providing talks to the woman community to enlighten their strengths and their inner thoughts. National constitution day is celebrated by conducting essay-writing competition based on the topic "Importance of Constitutional values in the present scenario".

File Description	Document
Link for any other relevant information	<a href="#">View Document</a>

## 7.2 Best Practices

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

#### Response:

#### TITLE: REVAMP

Practice:- Institution has framed a project called "REVAMP" with a motto of uplifting the community in our locality. Our student community has carried out the following activities in this regard:

Workshops/seminars/orientation classes were conducted for M.S.S (Muslim Service Society) in association with Vellangallur grama panchayath. Nearly 30-40 women participants had successfully completed the LED bulb assembling workshop. The ENCON Club, UEC in association with Jubilee mission hospital and ALPHA Palliative care, coordinated the Program. NSS unit of the college in association with Vellangallur Block Panchayath had organised a cancer awareness program and cancer detention survey.

ENCON Club, UEC had started an energy conservation project named "Deepthi". The focus of this project was to provide awareness to people about the importance of energy conservation. As a part of this, UEC had provided trainings to the panchayath members, also conducted an energy auditing on the use of CFL and incandescent lamp.

The institution has also taken initiatives to render its service to society through the electrification of house for poor, land surveying and preparation of building plan etc. Awareness regarding the environmental protection and energy conservation were also provided to the community through the local government bodies. Institution had supplied LED bulbs and had provided suggestions for replacing the CFL and

Incandescent bulbs to the community at free of cost through the ENCON club.

### **TITLE: SPEAC**

Objectives of the practice:

The SPEAC was constituted for the overall result improvement of UEC students. As an initial step, a system had implemented for the first year result improvement. SPEAC had a goal on the students higher secondary marks. These committee members made a structure for series exam conduction, portions, structuring, result publishing and to keep UEC students to the level of university exam.

The practice:

On the basis of academic performance of UEC students, they were classified into A, B, C categories and given special attention to students who were weak in academic and curricular activities: Through analysing the scoring of individual subject, scoring is good when compared to the overall pass percentage of the subject as a group is not satisfactory. The fail in a single subject which affect the overall pass percentage result. To maintain an effective aggregate result in each branches individual attention of every subject with the support of faculty concerned needed. Through the department SPEAC coordinators proper mentoring and clarification of their problem for not achieving mark in series 1 is identified. Through conducting continuous remedial classes, the knowledge level of the students increased. In a broad view the overall result of the year 2020-21 for the S1 B.Tech university examination is 41.7% which is in between the predicted range of 30.22 % and 43.11%.

<b>File Description</b>	<b>Document</b>
Link for Best practices in the Institutional web site	<a href="#">View Document</a>
Link for any other relevant information	<a href="#">View Document</a>

## **7.3 Institutional Distinctiveness**

### **7.3.1 Portray the performance of the Institution in one area distinctive to its priority and thrust within 1000 words**

**Response:**

#### **Outreach of the institution to the society**

NSS UNIT 590: the NSS unit of UEC keeps in contract with the community & administration. UEC always tries to mould leadership quality in students and also have an aim to improve more practical experiences in the areas of community and its services. Through giving opportunities to students in the practical fields volunteers will be able to improve their skill coordination and cooperation.

UEC developed a strong unit of NSS volunteers in the campus to volunteers in the campus to volunteer the

society in times of emergency, natural calamities and epidemics. NSS unit of UEC has got great appreciation for doing their self –less service to the victims of flood during 2018. They reached the remote areas with food packets, clothes and other necessities to the victims. They also helped the affected area people to rewire and repair their damaged houses, electrical items as free of cost. Also they cleaned the flood affected area roads, public places and areas where the flood affected regions. As a part of independence day August 15th saplings were given to the locality to promote green environment. On 4th February NSS unit conducted cancer awareness day through including all NSS volunteers.

Blood donation camp was conducted on 2/10/2021 in IMA and around 20 students participated and donated blood. NSS unit 590 conducted medical camp in association with Aster Medicity on 19/02/2017 in the areas of nephrology/general medicine/cardiology conducted orientation classes on traffic rules, diabetics day.

UEC donated wheel chairs to the patients of alpha palliative care in order to help them in their daily life routines also NSS unit 590 of the institution provided sanitising machines to the nearest hospitals as a part to keep safe. Oppam cancer awareness day program to give an awareness about cancer and its treatments. As a part to save our earth from plastic a workshop was conducted in UEC campus on grow bag making.

NSS unit 590 conducted Water conservation rally in relation with water save campaign.

### **E waste management orientation**

### **Highway cleaning**

### **Anti-drug day program**

### **Thaneerkudam project**

### **Virtual camp(Paricha) 8/6/21; Unarv 2018**

<b>File Description</b>	<b>Document</b>
Link for appropriate web in the Institutional website	<a href="#">View Document</a>
Link for any other relevant information	<a href="#">View Document</a>

## 5. CONCLUSION

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### **Additional Information :**

The institution comes under the Universal Educational Trust, which was registered on 25th March 2010 under the office of Sub registrar, Ernakulum. Universal Engineering College came into existence in the year 2011 under the aforementioned trust with four branches (Electronics and Communication Engineering, Electrical and Electronics Engineering, Civil Engineering and Mechanical Engineering)

2012 is considered to be landmark year for UEC in which two new PG courses were offered in Civil engineering and Mechanical engineering.

Apart from offering PG courses in 2014 the college has offered under graduate course in Computer science and Engineering which is a favorite course of all time.

UEC has a vibrant training and placement cell which provided a highest number of placement in the year 2022.

In the year 2019 college has been approved as an authorized training center of Pradhanmantri Kaushal Vikas Yojana(PMKVY).

The institution has about 13 clubs for extra-curricular activities and our students have been winning many glories in state level events.

HEI also take necessary steps to promote research and development activities amongst staff and students. To achieve this, a Research and Development Centre has been established in the college under the supervision of senior professors.

A range of Add-on Courses are offered to students to skill them up in the job market.

The College Implements E-governance in academics and accounts office in order to provide quick and efficient way of generating reports and documents.

To in line with the cutting edge technologies the institution has applied and approved by the AICTE, a new emerging UG course in cyber security and digital forensic.

### **Concluding Remarks :**

With a vision for excellent engineering education, imparting skill development and innovation ecosystem to create engineers that cater to the needs of the society UEC has improved the academic procedures through the identified functional areas.

The progressive advance in the areas of teaching, learning and research is equipped the students with competent and cutting edge technologies.

Updating the academic and administration through academic management systems, the institution has improved the academic processes.



The incubation center has been set up by the college authority with the funding support from Kerala Start up Mission. With the focusing towards the entrepreneurial skills of the students through establishing incubation center inside the campus.

NAAC

## 6.ANNEXURE

### 1.Metrics Level Deviations

Metric ID	Sub Questions and Answers before and after DVV Verification																				
1.2.2	<p><b>Number of Add on /Certificate programs offered during the last five years</b></p> <p><b>1.2.2.1. How many Add on /Certificate programs are offered within the last 5 years.</b> Answer before DVV Verification:</p> <table border="1"> <thead> <tr> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> <th>2017-18</th> <th>2016-17</th> </tr> </thead> <tbody> <tr> <td>8</td> <td>1</td> <td>0</td> <td>0</td> <td>0</td> </tr> </tbody> </table> <p>Answer After DVV Verification :</p> <table border="1"> <thead> <tr> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> <th>2017-18</th> <th>2016-17</th> </tr> </thead> <tbody> <tr> <td>4</td> <td>1</td> <td>0</td> <td>0</td> <td>0</td> </tr> </tbody> </table> <p>Remark : Input edited as per the report provided in clarification.</p>	2020-21	2019-20	2018-19	2017-18	2016-17	8	1	0	0	0	2020-21	2019-20	2018-19	2017-18	2016-17	4	1	0	0	0
2020-21	2019-20	2018-19	2017-18	2016-17																	
8	1	0	0	0																	
2020-21	2019-20	2018-19	2017-18	2016-17																	
4	1	0	0	0																	
1.2.3	<p><b>Average percentage of students enrolled in Certificate/ Add-on programs as against the total number of students during the last five years</b></p> <p><b>1.2.3.1. Number of students enrolled in subject related Certificate or Add-on programs year wise during last five years</b> Answer before DVV Verification:</p> <table border="1"> <thead> <tr> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> <th>2017-18</th> <th>2016-17</th> </tr> </thead> <tbody> <tr> <td>353</td> <td>21</td> <td>0</td> <td>0</td> <td>0</td> </tr> </tbody> </table> <p>Answer After DVV Verification :</p> <table border="1"> <thead> <tr> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> <th>2017-18</th> <th>2016-17</th> </tr> </thead> <tbody> <tr> <td>167</td> <td>21</td> <td>0</td> <td>0</td> <td>0</td> </tr> </tbody> </table> <p>Remark : Input edited as per 1.2.3 metric.</p>	2020-21	2019-20	2018-19	2017-18	2016-17	353	21	0	0	0	2020-21	2019-20	2018-19	2017-18	2016-17	167	21	0	0	0
2020-21	2019-20	2018-19	2017-18	2016-17																	
353	21	0	0	0																	
2020-21	2019-20	2018-19	2017-18	2016-17																	
167	21	0	0	0																	
1.4.1	<p><b><i>Institution obtains feedback on the syllabus and its transaction at the institution from the following stakeholders</i></b></p> <p><b><i>1) Students</i></b></p> <p><b><i>2)Teachers</i></b></p> <p><b><i>3)Employers</i></b></p> <p><b><i>4)Alumni</i></b></p>																				

Answer before DVV Verification : A. All of the above  
 Answer After DVV Verification: D. Any 1 of the above

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

**Options:**

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

Answer before DVV Verification : B. Feedback collected, analysed and action has been taken  
 Answer After DVV Verification: C. Feedback collected and analysed

Remark : Input edited as per the clarification document provided by the HEI.

2.1.1 **Average Enrolment percentage (Average of last five years)**

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

Answer before DVV Verification:

2020-21	2019-20	2018-19	2017-18	2016-17
1121	1116	1091	1063	999

Answer After DVV Verification :

2020-21	2019-20	2018-19	2017-18	2016-17
327	396	396	396	396

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

Answer before DVV Verification:

2020-21	2019-20	2018-19	2017-18	2016-17
1643	1717	1718	1650	1515

Answer After DVV Verification :

2020-21	2019-20	2018-19	2017-18	2016-17
244	193	204	214	114

Remark : Input edited as per the clarification document.

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

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

Answer before DVV Verification:

2020-21	2019-20	2018-19	2017-18	2016-17
79	42	52	66	66

Answer After DVV Verification :

2020-21	2019-20	2018-19	2017-18	2016-17
62	28	41	50	70

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

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

Answer before DVV Verification : 361.3

Answer after DVV Verification: 316.5

Remark : Input edited as per the 3.1 metric.

**2.6.3 Average pass percentage of Students during last five years**

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

Answer before DVV Verification:

2020-21	2019-20	2018-19	2017-18	2016-17
149	186	132	161	189

Answer After DVV Verification :

2020-21	2019-20	2018-19	2017-18	2016-17
107	76	132	161	189

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

Answer before DVV Verification:

2020-21	2019-20	2018-19	2017-18	2016-17
268	284	269	262	254

Answer After DVV Verification :

2020-21	2019-20	2018-19	2017-18	2016-17
255	276	269	262	254

Remark : Input edited as per the clarification document provided by HEI.

3.3.2	<p><b>Number of research papers per teachers in the Journals notified on UGC website during the last five years</b></p> <p><b>3.3.2.1. Number of research papers in the Journals notified on UGC website during the last five years.</b></p> <p>Answer before DVV Verification:</p> <table border="1" data-bbox="304 389 1046 524"> <thead> <tr> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> <th>2017-18</th> <th>2016-17</th> </tr> </thead> <tbody> <tr> <td>15</td> <td>13</td> <td>16</td> <td>14</td> <td>22</td> </tr> </tbody> </table> <p>Answer After DVV Verification :</p> <table border="1" data-bbox="304 602 1046 736"> <thead> <tr> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> <th>2017-18</th> <th>2016-17</th> </tr> </thead> <tbody> <tr> <td>10</td> <td>1</td> <td>2</td> <td>0</td> <td>2</td> </tr> </tbody> </table> <p>Remark : Input edited as per the link to the journal &amp; paper provided by HEI.</p>	2020-21	2019-20	2018-19	2017-18	2016-17	15	13	16	14	22	2020-21	2019-20	2018-19	2017-18	2016-17	10	1	2	0	2
2020-21	2019-20	2018-19	2017-18	2016-17																	
15	13	16	14	22																	
2020-21	2019-20	2018-19	2017-18	2016-17																	
10	1	2	0	2																	
3.3.3	<p><b>Number of books and chapters in edited volumes/books published and papers published in national/ international conference proceedings per teacher during last five years</b></p> <p><b>3.3.3.1. Total number of books and chapters in edited volumes/books published and papers in national/ international conference proceedings year-wise during last five years</b></p> <p>Answer before DVV Verification:</p> <table border="1" data-bbox="304 1095 1046 1229"> <thead> <tr> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> <th>2017-18</th> <th>2016-17</th> </tr> </thead> <tbody> <tr> <td>9</td> <td>3</td> <td>1</td> <td>2</td> <td>7</td> </tr> </tbody> </table> <p>Answer After DVV Verification :</p> <table border="1" data-bbox="304 1308 1046 1442"> <thead> <tr> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> <th>2017-18</th> <th>2016-17</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>0</td> <td>0</td> <td>0</td> <td>2</td> </tr> </tbody> </table>	2020-21	2019-20	2018-19	2017-18	2016-17	9	3	1	2	7	2020-21	2019-20	2018-19	2017-18	2016-17	1	0	0	0	2
2020-21	2019-20	2018-19	2017-18	2016-17																	
9	3	1	2	7																	
2020-21	2019-20	2018-19	2017-18	2016-17																	
1	0	0	0	2																	
3.4.2	<p><b>Number of awards and recognitions received for extension activities from government/ government recognised bodies during the last five years</b></p> <p><b>3.4.2.1. Total number of awards and recognition received for extension activities from Government/ Government recognised bodies year-wise during the last five years.</b></p> <p>Answer before DVV Verification:</p> <table border="1" data-bbox="304 1800 1046 1935"> <thead> <tr> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> <th>2017-18</th> <th>2016-17</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>1</td> <td>3</td> <td>3</td> <td>3</td> </tr> </tbody> </table> <p>Answer After DVV Verification :</p> <table border="1" data-bbox="304 2013 1046 2092"> <thead> <tr> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> <th>2017-18</th> <th>2016-17</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>	2020-21	2019-20	2018-19	2017-18	2016-17	0	1	3	3	3	2020-21	2019-20	2018-19	2017-18	2016-17					
2020-21	2019-20	2018-19	2017-18	2016-17																	
0	1	3	3	3																	
2020-21	2019-20	2018-19	2017-18	2016-17																	

0	0	2	0	2
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3.4.3 **Number of extension and outreach programs conducted by the institution through NSS/NCC, Government and Government recognised bodies during the last five years**

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

Answer before DVV Verification:

2020-21	2019-20	2018-19	2017-18	2016-17
14	20	15	27	19

Answer After DVV Verification :

2020-21	2019-20	2018-19	2017-18	2016-17
6	7	8	20	16

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

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

Answer before DVV Verification:

2020-21	2019-20	2018-19	2017-18	2016-17
970	1286	1068	1914	1176

Answer After DVV Verification :

2020-21	2019-20	2018-19	2017-18	2016-17
970	99	84	100	100

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

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

Answer before DVV Verification:

2020-21	2019-20	2018-19	2017-18	2016-17
4	2	1	0	0

Answer After DVV Verification :

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2020-21	2019-20	2018-19	2017-18	2016-17
3	3	2	0	0

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

4.1.3.1. Number of classrooms and seminar halls with ICT facilities

Answer before DVV Verification : 8

Answer after DVV Verification: 8

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

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

Answer before DVV Verification:

2020-21	2019-20	2018-19	2017-18	2016-17
7	7.21	6.98	49.27	393.98

Answer After DVV Verification :

2020-21	2019-20	2018-19	2017-18	2016-17
4.97	4.47	4.64	45.25	393.98

Remark : Input edited as per the supporting documents.

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

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

Answer before DVV Verification : B. Any 3 of the above

Answer After DVV Verification: B. Any 3 of the above

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

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

Answer before DVV Verification:

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

0.4307	0.15181	1.07906	023426	6.35943
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Answer After DVV Verification :

2020-21	2019-20	2018-19	2017-18	2016-17
0.4307	0.15181	1.07906	0.3426	6.35943

Remark : Converted INR in Lakhs for the academic session 2017-18

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

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

Answer before DVV Verification:

2020-21	2019-20	2018-19	2017-18	2016-17
5.34	5.98	4.21	5.91	17.77

Answer After DVV Verification :

2020-21	2019-20	2018-19	2017-18	2016-17
3.39	3.24	1.88	8.49	10.20

Remark : Input edited as per the supporting documents.

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

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

Answer before DVV Verification : A. All of the above

Answer After DVV Verification: B. 3 of the above

5.2.1 **Average percentage of placement of outgoing students during the last five years**

5.2.1.1. **Number of outgoing students placed year - wise during the last five years.**

Answer before DVV Verification:

2020-21	2019-20	2018-19	2017-18	2016-17
58	27	24	2	3



Answer After DVV Verification :

2020-21	2019-20	2018-19	2017-18	2016-17
58	27	0	0	0

Remark : Input edited as per offer letter provided by HEI.

- 5.2.2 **Average percentage of students progressing to higher education during the last five years**
- 5.2.2.1. **Number of outgoing student progression to higher education during last five years**  
 Answer before DVV Verification : 40  
 Answer after DVV Verification: 32
- Remark : Input edited as per the I-card/admission card/ supporting documents provided by HEI.

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

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

Answer before DVV Verification:

2020-21	2019-20	2018-19	2017-18	2016-17
1	1	0	1	0

Answer After DVV Verification :

2020-21	2019-20	2018-19	2017-18	2016-17
1	0	1	0	0

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

Answer before DVV Verification:

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

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

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

Answer before DVV Verification:

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

0	43	12	20	0
---	----	----	----	---

Answer After DVV Verification :

2020-21	2019-20	2018-19	2017-18	2016-17
0	3	1	2	0

5.3.3 **Average number of sports and cultural events/competitions in which students of the Institution participated during last five years (organised by the institution/other institutions)**

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

Answer before DVV Verification:

2020-21	2019-20	2018-19	2017-18	2016-17
0	1757	1240	755	481

Answer After DVV Verification :

2020-21	2019-20	2018-19	2017-18	2016-17
0	2	1	2	1

6.2.3 **Implementation of e-governance in areas of operation**

1. **Administration**
2. **Finance and Accounts**
3. **Student Admission and Support**
4. **Examination**

Answer before DVV Verification : B. 3 of the above

Answer After DVV Verification: C. 2 of the above

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

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

Answer before DVV Verification:

2020-21	2019-20	2018-19	2017-18	2016-17
481	76	166	76	0

Answer After DVV Verification :

2020-21	2019-20	2018-19	2017-18	2016-17
4	2	4	4	0

6.3.4	<p><b>Average percentage of teachers undergoing online/ face-to-face Faculty Development Programmes (FDP)during the last five years (Professional Development Programmes, Orientation / Induction Programmes, Refresher Course, Short Term Course ).</b></p> <p>6.3.4.1. <b>Total number of teachers attending professional development Programmes viz., Orientation / Induction Programme, Refresher Course, Short Term Course year-wise during the last five years</b></p> <p>Answer before DVV Verification:</p> <table border="1"> <thead> <tr> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> <th>2017-18</th> <th>2016-17</th> </tr> </thead> <tbody> <tr> <td>54</td> <td>23</td> <td>10</td> <td>7</td> <td>5</td> </tr> </tbody> </table> <p>Answer After DVV Verification :</p> <table border="1"> <thead> <tr> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> <th>2017-18</th> <th>2016-17</th> </tr> </thead> <tbody> <tr> <td>22</td> <td>9</td> <td>10</td> <td>7</td> <td>5</td> </tr> </tbody> </table> <p>Remark : Updated the input by considering only FDPs of 5 days duration.</p>	2020-21	2019-20	2018-19	2017-18	2016-17	54	23	10	7	5	2020-21	2019-20	2018-19	2017-18	2016-17	22	9	10	7	5
2020-21	2019-20	2018-19	2017-18	2016-17																	
54	23	10	7	5																	
2020-21	2019-20	2018-19	2017-18	2016-17																	
22	9	10	7	5																	

## 2.Extended Profile Deviations

ID	Extended Questions																				
1.2	<p><b>Number of seats earmarked for reserved category as per GOI/State Govt rule year-wise during last five years</b></p> <p>Answer before DVV Verification:</p> <table border="1"> <thead> <tr> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> <th>2017-18</th> <th>2016-17</th> </tr> </thead> <tbody> <tr> <td>57</td> <td>66</td> <td>66</td> <td>66</td> <td>66</td> </tr> </tbody> </table> <p>Answer After DVV Verification:</p> <table border="1"> <thead> <tr> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> <th>2017-18</th> <th>2016-17</th> </tr> </thead> <tbody> <tr> <td>164</td> <td>198</td> <td>198</td> <td>198</td> <td>198</td> </tr> </tbody> </table>	2020-21	2019-20	2018-19	2017-18	2016-17	57	66	66	66	66	2020-21	2019-20	2018-19	2017-18	2016-17	164	198	198	198	198
2020-21	2019-20	2018-19	2017-18	2016-17																	
57	66	66	66	66																	
2020-21	2019-20	2018-19	2017-18	2016-17																	
164	198	198	198	198																	
2.1	<p><b>Number of full time teachers year-wise during the last five years</b></p> <p>Answer before DVV Verification:</p> <table border="1"> <thead> <tr> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> <th>2017-18</th> <th>2016-17</th> </tr> </thead> <tbody> <tr> <td>86</td> <td>81</td> <td>79</td> <td>100</td> <td>96</td> </tr> </tbody> </table> <p>Answer After DVV Verification:</p> <table border="1"> <thead> <tr> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> <th>2017-18</th> <th>2016-17</th> </tr> </thead> <tbody> <tr> <td>071</td> <td>75</td> <td>75</td> <td>99</td> <td>96</td> </tr> </tbody> </table>	2020-21	2019-20	2018-19	2017-18	2016-17	86	81	79	100	96	2020-21	2019-20	2018-19	2017-18	2016-17	071	75	75	99	96
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3.1	<b>Total number of classrooms and seminar halls</b> Answer before DVV Verification : 50 Answer after DVV Verification : 29
3.3	<b>Number of Computers</b> Answer before DVV Verification : 272 Answer after DVV Verification : 242

NVAAC