Yearly Status Report - 2018-2019

Part A	
Data of the Institution	
1. Name of the Institution	**UNIVERSAL COLLEGE OF ENGINEERING**
Name of the head of the Institution	**Dr. Jitendra B. Patil**
Designation	**Director**
Does the Institution function from own campus	**Yes**
Phone no/Alternate Phone no.	**02506962458**
Mobile no.	**9029144325**
Registered Email	**ucoe.principal@universal.edu.in**
Alternate Email	**cd.ucoe@universal.edu.in**
Address	**Universal College of Engineering, Near Bhajansons & Punyadham, Kaman Bhiwandi Road, Vasai East. Palghar.**
City/Town	**Kaman Vasai East**
State/UT	**Maharashtra**
Pincode	**401208**

2. Institutional Status

Affiliated / Constituent	**Affiliated**
Type of Institution	**Co-education**
Location	**Urban**
Financial Status	**private**
Name of the IQAC co-ordinator/Director	**Mudra Doshi**
Phone no/Alternate Phone no.	**02506962458**
Mobile no.	**9029652532**
Registered Email	**mudra.doshi@universal.edu.in**
Alternate Email	**mitali.poojary@universal.edu.in**

3. Website Address

Web-link of the AQAR: (Previous Academic Year)	https://universalcollegeofengineering.edu.in/wp-content/uploads/2020/01/IQAC-Guidelines-AQAR-2017-18.pdf

4. Whether Academic Calendar prepared during the year

Yes

if yes,whether it is uploaded in the institutional website: Weblink :	https://universalcollegeofengineering.edu.in/wp-content/uploads/2020/01/2019-20-EVEN-academic-calendar.pdf

5. Accrediation Details

Cycle	Grade	CGPA	Year of Accrediation	Validity Period From	Period To
1	**B+**	**2.51**	**2018**	**02-Nov-2018**	**01-Nov-2023**

6. Date of Establishment of IQAC

29-Jul-2016

7. Internal Quality Assurance System

Quality initiatives by IQAC during the year for promoting quality culture		
Item /Title of the quality initiative by	Date & Duration	Number of participants/ beneficiaries

IQAC		
Smart farming Initiative under Organic Farming at UCOE	27-Jul-2018 365	13
A memorandum of understanding (MOU) for Internship with Vistaar Digital	11-Jul-2018 365	2
A memorandum of understanding (MOU) for Internship with TFPC	12-Jul-2018 365	6
A to Z Python Certification	21-Jul-2018 9	32
Seminar on Use of ICT tool- Google Classroom	21-Jul-2018 1	17
Induction program on FE Bridge Course	30-Jul-2018 2	219
Inauguration of Counseling cell at UCoE	15-Aug-2018 5	36
Annual technical presentation competition PATW	09-Mar-2019 1	38
NBA Workshop on To Understand the process of NBA Accreditation	29-Apr-2019 1	90
A memorandum of understanding (MOU) for Internship with Sahu Technologies	14-May-2019 365	67
[View File](#)		

8. Provide the list of funds by Central/ State Government- UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.

Institution/Department/Faculty	Scheme	Funding Agency	Year of award with duration	Amount
Universal College of Engineering, Civil Engineering, Asir Khan	IEI R and D Grant in Aid	IEI R and D Kolkata	2018 213	20000
Universal College of Engineering	Student welfare	Vidya Vikas Education Trust	2018 365	2844
Universal College of Engineering	Student welfare	Vidya Vikas Education Trust	2018 107	7700
[View File](#)				

9. Whether composition of IQAC as per latest NAAC guidelines:	**Yes**
Upload latest notification of formation of IQAC	[View File](#)
10. Number of IQAC meetings held during the year :	**4**
The minutes of IQAC meeting and compliances to the decisions have been uploaded on the institutional website	**Yes**
Upload the minutes of meeting and action taken report	[View File](#)
11. Whether IQAC received funding from any of the funding agency to support its activities during the year?	**No**

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

Bridge Course for the First Year students to bridge the gaps between HSC Engineering. Hackstomp is the hackathon where student will work on their project to improve society or for better india 24 hours Continuous Coding. Internships after each and every semester student will get hands on session based on their area of interest they will work with live project in the industry. NSS/ UBA for social activity. Formation and various activities under this two is done. Moodle for the attendance record and notes sharing with the students.

[View File](#)

13. Plan of action chalked out by the IQAC in the beginning of the academic year towards Quality Enhancement and outcome achieved by the end of the academic year

Plan of Action	Achivements/Outcomes
Freshers to be provided a structured Orientation program aimed at giving an insight into Engineering world and make the further teaching learning process a joy.	**Successfully conducted Bridge course in Orientation Program for First year students in the month of July 2018.**
Motivate and guide students for Project grants from government and non-government organizations.	**Students applied for project grant in IEI, UGC and Mumbai University under the guidance of their project guides. One group from Civil Engineering received grant of 20,000 INR from Institute of Engineers Calcutta, India.**
Coduct workshop on National Board of Accreditation to understand the procedure for the same.	**Successfully conducted workshop on NBA for all teaching and non-teaching staff in the month of April 2019**
Adopt effective tool to have single	**Modular Object Oriented Dynamic**

platform for managing all academic records.	Learning Environment (Moodle) was started in February2019 .
Newsletter or Technical Discussion group to be created to disseminate information across the spectra of students and faculties.	Started publishing Departmental Newsletter monthly for all departments.
Explore possibility of value addition to students Curriculum Vitae by allowing them to be Teaching Assistant.	Introduction of Teaching Assistant for students under the guidance of faculties.
Formation of department specific student association and conduction of seminar workshop under them.	ACES (Association of Civil Engineering Students) was established successfully. Guest Lectures, Seminars & workshops were conducted under respective departmental student associations.
Establish Social Service unit in the institute to inculcate social values in the students.	National Service Scheme has been established in the month of September 2018 and conducted social activities such as Fire safety seminar, Tree plantation drive, Swachh Bharat clean up drive, First aid seminar, Nagale village survey, Residential camp, Blood donation camp, Traffic safety seminar etc. To move towards holistic development of Villages,Unnat Bharat Abhiyan (UBA) was established and five villages were selected for the same."
View File	

14. Whether AQAR was placed before statutory body ?   Yes

Name of Statutory Body	Meeting Date
Governing Council	18-May-2019

15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?   Yes

Date of Visit   11-Sep-2018

16. Whether institutional data submitted to AISHE: Yes

Year of Submission   2018

Date of Submission   06-Jan-2019

17. Does the Institution have Management Information System ?   Yes

| If yes, give a brief descripiton and a list of modules currently operational (maximum 500 words) | The Management Information System is developed and maintained inhouse at the Universal College of Engineering by the faculty of Computer Engineering department. The MIS system is at its budding stages and upgraded incrementally each semester based on the suggestions and recommendations of its users. Its various modules so far are Faculty Registration, Student Registration, Subject Allocation, Elective Subject Allocation, Unique PID Generation, Practical Batch Allocation, Division Allocation to Students, Theory Attendance, Report Generation, etc. The MIS System is capable of generating defaulter lists at the end of user defined checkpoints such as weekly, monthly or even semester wise defaulter lists. Initially the MIS System was deployed on a localhost 192.168.9.1/MIS restricting it to operate only within the campus and through computers connected to the college WiFi Network, but later on using port switching , the same implementation is also available on the Internet using a static IP Address 115.69.249.26/MIS. The MIS system is designed using PHP as the server side scripting language and PostgreSQL as the database language. The website is even accessible through mobile phones during the College Official hours for easily updating the attendance on the go. Even reports could be generated for the students for them to check their monthly attendance reports, internal assessment test marks etc. Right now the software is in its initial stages and updates are going on to further improve the content and make the interface more user friendly. Universal College of Engineering also facilitates the use of digital media for making the documentation process easier and streamlined. We use software such as APPLANE as an ERP Solution. We use software such as VIVA, Zendex, etc for exam automation and ticket generation purposes. We also use Tally for Account keeping. We had also hosted an International Conference on Smart Cities and Emerging Trends, in Association with the IEEE, we had used a digital conference manager software solution for the same. We also host multiple cocurricular and extra |

curricular events throughout the year. We believe in working out a digital alternative for record keeping. For that purpose we use Online Festival Management portals for registration and payments for a particular event in college.

Part B

CRITERION I – CURRICULAR ASPECTS

1.1 – Curriculum Planning and Implementation

1.1.1 – Institution has the mechanism for well planned curriculum delivery and documentation. Explain in 500 words

Universal College of Engineering (UCoE) is recognized by AICTE, DTE & Government of Maharashtra and affiliated to University of Mumbai (UoM). The UCoE management ensures that all faculty members participate in the Workshops arranged by the University (BoS) for syllabus revision and Workshops organized to study and understand the amendments. UCoE follows structured strategy plan for effective implementation of the curriculum prescribed by the University for Various Programs. Action Plan • Preparation of academic calendar at Institute level in consonance with the academic calendar of the University. • Distribution of workload to faculty members, based on core competency and experience in the subjects. • Preparation of Lesson Plan by the faculties for their allotted courses. • Continuous Upgradation of Course files/Laboratory Manuals. • Installation of all Software's check for working condition of all equipment's and devices, instruments required for performing experiments are done before commencing of the semester. • Preparation of Master Timetable; checked and verified by Head of Department of respective department which are then displayed on all conspicuous locations. • Conduction of Expert lectures by Experienced faculty/ Industrial personnel to bridge the gap between academic & Industry • Monthly analysis of the attendance is done to ensure minimum75%as per University regulations. • Evaluation of student performance is done based on Tutorials, Internal Assessment tests, Assignments and Presentations. • Results of Internal Assessment Test are displayed and grievances on marking are immediately addressed. • Conduction of Remedial lectures for students who failed or scored less marks. • Mentors take care of mentees overall performance and guide them for the improvement and overcoming weaknesses. • Parents meet with concerned faculties are organized to give the parents an overview of their Ward's performance. • Conduction of End semester examination and its assessment as per university norms. • After declaration of results, result analysis of both direct and indirect analysis is done to determine the achievement of course objectives and vision and mission of department and institute. • Every student is motivated to participate for internship program in summer vacation. • Before availing any kind of leave, faculties are required to make alternate arrangement for Conducting Lecture / Practical, in his / her absence. • Conduction of on/off campus recruitment drives for registered eligible students of final year and in few cases, for third year students too. Deployment of Action Plan Before commencement of each semester, Campus Director /Principal conducts an Orientation program to apprise the faculty according to suggestions received from IQAC and guidelines about the execution of the action plan.Later each Head of the Departmentconducts a departmental level meeting to discuss the line of action in implementing the Action Plan as per the specific requirements of the department.Induction program is conducted for first year students before starting their curriculum in order to make the newly joined students feel comfortable and to help them to set the daily routine, create a bonding between

teachers and other students, give a broader view of life and building of character.

1.1.2 – Certificate/ Diploma Courses introduced during the academic year

Certificate	Diploma Courses	Dates of Introduction	Duration	Focus on employ ability/entrepreneurship	Skill Development
Maven Silicon: Free VLSI Webinar	Nil	13/07/2018	1	Employability	Software skill
Learningro ots Aptitude Training Program	Nil	18/07/2018	14	Employability	Career Skill
Interview Skill Training Program	Nil	18/07/2018	14	Employability	Interview Skill
AutoCAD 2D	Nil	10/08/2018	12	Employability	Software Skill
Autodesk Quantity Takeoff	Nil	10/08/2018	12	Employability	Software Skill
Employabil ity Skill NASSCOM	Nil	08/10/2018	70	Employability	Employability Skill
Basics of IoT	Nil	30/03/2018	1	Employability	Technical Skill

1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the academic year

Programme/Course	Programme Specialization	Dates of Introduction
BE	Computer Engineering	09/07/2018
BE	Information Technology	09/07/2018
BE	Civil Engineering	09/07/2018
BE	Electronics Engineering	09/07/2019
BE	Electronics & Telecommunication	09/07/2018
View File		

1.2.2 – Programmes in which Choice Based Credit System (CBCS)/Elective course system implemented at the affiliated Colleges (if applicable) during the academic year.

Name of programmes adopting CBCS	Programme Specialization	Date of implementation of CBCS/Elective Course System
BE	Third Year Computer Engineering	09/07/2018
BE	Third Year Civil Engineering	09/07/2018
BE	Third Year Information	09/07/2018

| BE | Third Year Electronics and Telecommunication | 09/07/2018 |
| BE | Third Year Electronics Engineering | 09/07/2018 |

1.2.3 – Students enrolled in Certificate/ Diploma Courses introduced during the year

	Certificate	Diploma Course
Number of Students	288	Nil

1.3 – Curriculum Enrichment

1.3.1 – Value-added courses imparting transferable and life skills offered during the year

Value Added Courses	Date of Introduction	Number of Students Enrolled
Dancing (Contemporary)	30/06/2018	5
Photography Course	30/06/2018	14
Smart Farming Skill Development Program	07/07/2018	15
Professional Ethics Course under IEEE	21/07/2018	11
eYantra lab –Firebird V Course	21/07/2018	40
Rock Music Club	04/08/2018	13
	View File	

1.3.2 – Field Projects / Internships under taken during the year

Project/Programme Title	Programme Specialization	No. of students enrolled for Field Projects / Internships
BE	Computer Engineering	103
BE	Civil Engineering	246
BE	Information Technology	89
BE	Electronics & TeleCommunication	14
BE	Electronics Engineering	3
	View File	

1.4 – Feedback System

1.4.1 – Whether structured feedback received from all the stakeholders.

Students	Yes
Teachers	Yes
Employers	Yes
Alumni	Yes
Parents	Yes

1.4.2 – How the feedback obtained is being analyzed and utilized for overall development of the institution? (maximum 500 words)

Feedback Obtained
Institute holds online and offline feedback fromall its stakeholders regularly

at department level. The student's give semester-wise feedback for all courses taught to them. The student feedback form is done on a grade of 5 scales with number 5 meaning excellent and 1 meaning poor performance. Following are the parameters of assessment: • Teaching Learning Process • Library • Administration • Internal Assessment System • Canteen Facilities • Sports Extra-curricular • Infrastructure. The Feedback by the students for the teachers is taken on the points based on teacher's subject knowledge, ability to teach, syllabus coverage, use of modern tools. The Institute policy is that if a teacher gets average grade less than 2.5, he/she is called by the institute authorities such as Head of Department, Campus Director and is informed about his/her performance in the assigned course. They are accordingly instructed by the authorities to improve their performances and change the teaching methodology. Alumni Feedback is conducted whenever Alumni Meet is organized in the Institute during academic year. The Feedback from Alumni is drawn on evaluation of subject knowledge of the program, level of meeting expectation, progress of Alumni in career after graduation, impact of training, motivation at Institute, Social Skills, ability to take decisions, ability to manage finances and presentation skills at the workplace. This feedback is also taken on a 5-point scale on 1 to 5 with 1 at satisfactory and level 5 on excellent level. Employer's feedback highlights evaluation parameters in the form of subject knowledge, attitude, behavior, regularity, punctuality, maturity, motivation, creativity, presentation skills and ability to get along with others. The analysis of this feedback helps Institute in reviewing the course contentand conduct various skill development training not incorporated in the syllabus. It also helps in determining overall employability of students at various levels. Parents feedback is taken during parent-teacher interaction session whenever it is organized.The feedback from the Parents helps the Institute immensely in reorienting the administration procedures, improve the general ambiance and the skill development activities, determine suitability of the courses for career growth of the ward etc. Feedback from the teaching community are also taken in order to improve the work atmosphere and betterment of the institute. The teachers give their feedback based on Infrastructural facilities, Administration processes, Canteen services and Bus facility and other teaching aids facilities. Feedback received from all the stakeholders is analyzed, discussed in IQAC meeting and suggestions received by the IQAC members are sent to the governing council for review and further implementations.

CRITERION II – TEACHING- LEARNING AND EVALUATION

2.1 – Student Enrolment and Profile

2.1.1 – Demand Ratio during the year

Name of the Programme	Programme Specialization	Number of seats available	Number of Application received	Students Enrolled
BE	Civil Engineering	120	37	29
BE	Computer Engineering	120	143	118
BE	Electronics & Telecommunication Engineering	60	29	21
BE	Electronics Engineering	60	9	6
BE	Information Technology	60	56	45

2.2 – Catering to Student Diversity

2.2.1 – Student - Full time teacher ratio (current year data)

Year	Number of students enrolled in the institution (UG)	Number of students enrolled in the institution (PG)	Number of fulltime teachers available in the institution teaching only UG courses	Number of fulltime teachers available in the institution teaching only PG courses	Number of teachers teaching both UG and PG courses
2018	1446	Nill	84	Nill	84

2.3 – Teaching - Learning Process

2.3.1 – Percentage of teachers using ICT for effective teaching with Learning Management Systems (LMS), E-learning resources etc. (current year data)

Number of Teachers on Roll	Number of teachers using ICT (LMS, e-Resources)	ICT Tools and resources available	Number of ICT enabled Classrooms	Numberof smart classrooms	E-resources and techniques used
84	84	612	26	Nill	3
View File of ICT Tools and resources					
View File of E-resources and techniques used					

2.3.2 – Students mentoring system available in the institution? Give details. (maximum 500 words)

Universal College of Engineering adopts a confidential and sophisticated mentoring system wherein the students are polled for their problems and suggestions and necessary actions are taken. The procedure of mentoring is starts from first year of engineering till the end of the program. First years students have mentors from Applied Science and Humanities department. The FE students are furnished with mentoring form, which asks for their basic details and family background. Mentors areas assigned to students as per ratio given by AICTE. Every student has to spend at least an hour a week with their mentors and the mentors discuss about their attendance record, academic performance, co-curricular and extra-curricular activities. All the information is kept strictly confidential with the mentors to encourage the students to be open and fearless. Second, third, fourth year students assigned mentors from the parent department and each department independently takes care of their students. If a faculty has left the institution, immediately, a new faculty is assigned and the new mentor is made aware of the mentee by the leaving faculty. At regular intervals, faculty(Mentor) and students(Mentee) meet and discussed problems faced by the students pertaining to the Institution, academics, personal, etc. and necessary action is taken with concerned department. The Institution also keeps a track record of the students one year post the completion of BE regarding the student's higher studies and placements. Apart from the mentoring system employed in the Institution, a counselling centre is also working in the Institution from the Academic year 2018-2019 which is headed by Mr Joel Phillip (Asst Prof from the department of IT) and Dr J. B. Patil (Principal).

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
1446	84	1:17

2.4 – Teacher Profile and Quality

2.4.1 – Number of full time teachers appointed during the year

No. of sanctioned positions	No. of filled positions	Vacant positions	Positions filled during the current year	No. of faculty with Ph.D
84	77	7	7	4

2.4.2 – Honours and recognition received by teachers (received awards, recognition, fellowships at State, National, International level from Government, recognised bodies during the year)

Year of Award	Name of full time teachers	Designation	Name of the award,

	receiving awards from state level, national level, international level		fellowship, received from Government or recognized bodies
2019	Mr. Aniket Kore	Assistant Professor	First prize for Smart India Hackathon,SIH-2019
2019	Mr. Allan Lopes	Assistant Professor	First prize for Smart India Hackathon,SIH-2019
2018	Mr.Asir Khan	Assistant Professor	Grand-in Scheme for projects under IEI R D, Kolkatta
View File			

2.5 – Evaluation Process and Reforms

2.5.1 – Number of days from the date of semester-end/ year- end examination till the declaration of results during the year

Programme Name	Programme Code	Semester/ year	Last date of the last semester-end/ year-end examination	Date of declaration of results of semester-end/ year- end examination
BE	346024510	4	29/05/2019	12/07/2019
BE	346024510	8	24/05/2019	04/07/2019
BE	346024610	4	29/05/2019	12/07/2019
BE	346024610	8	24/05/2019	03/07/2019
BE	346037210	4	29/05/2019	25/07/2019
BE	346037210	8	24/05/2019	06/07/2019
BE	346037610	4	29/05/2019	25/07/2019
BE	346037610	8	24/05/2019	12/07/2019
BE	346019110	4	29/05/2019	01/08/2019
BE	346019110	8	24/05/2019	11/07/2019
View File				

2.5.2 – Reforms initiated on Continuous Internal Evaluation(CIE) system at the institutional level (250 words)

The faculty and students alike are made aware of the CIE process. In the CIE process, the syllabus represents the scheme of final end semester marks along with the term test marks, term work, assignment, tutorial, oral and practical examination marks wherever applicable. Based on the feedback and conclusions drawn from the previous semester results, continuous improvements in the internal evaluation are introduced. Earlier, assignments were to be written by students based on what was learnt in classroom lectures. However, students indulged in copying the assignments and submitting them. To improve the situation, various solutions were considered based on the students' feedback received by the mentors and different suggestions by IQAC. Classroom lectures were reoriented to discuss the possible questions and the proper way of representing and answering the questions. After careful deliberations and discussions with the core members of the department, some new ideas have been introduced. These include conducting viva as a part of continuous assessment and understanding the exact reasons for lack of satisfactory performances. Tutorials are dedicated to solving numerical problems and also helping slow learners to get more attention. The evaluation of term work contains

assignments, case studies, mini-project, attendance and performance in the laboratory. The evaluation pattern is as prescribed by the University of Mumbai. Students are apprised about the Educational Objectives and course outcomes expected from them. Our institute conducts two Internal Assessment Tests each of 20/15 marks as per the scheme prescribed in the syllabus of a particular course. The average of the two test marks is evaluated and displayed for the reference of the students so that each student can gauge self-performance level. This average of term test marks is considered in the theory marks of Semester End Examination. For the Internal Assessment Test, papers are set keeping in mind the learning objectives and the understanding of the fundamental concept of the Course. Course attainment values are worked out to evaluate the need for further improvements. The Course Exit Survey forms are an indicator of the success of the reforms introduced and implemented and further reforms if required are implemented. The presentations of the case study, which are beyond the prescribed syllabus, are also conducted and marks are awarded as per the performance. Project marks are awarded only for final year students. The final presentation with the actual model of the project is evaluated by internal expert and industry experienced person. All these marks are considered in the final University examination. These rules are subject to change as per the instructions from the university.

2.5.3 – Academic calendar prepared and adhered for conduct of Examination and other related matters (250 words)

Universal College of Engineering, an institute affiliated to University of Mumbai prepares its academic calendar based on the formulation of University of Mumbai Calendar circulated in the name of the Dean, University of Mumbai. The commencement and closure of every Semester is declared by University of Mumbai by providing a stipulated date. The Institution adheres to the Calendar issued by University of Mumbai. All the Head of the Departments, Event head and Industrial visit co-coordinators submit their line of action for Inter-departmental activities such as organising Guest lecture, Site visit, STTP, workshops etc. Academic calendar is prepared at the institute level articulating all the above points wherein first six weeks are allocated to conduct lectures and practical's followed by the first Internal Assessment test. The 2nd Internal assessment test is conducted in the fourteenth week. The fifteenth week is considered as term end week. In this week, compilation of term work marks is articulated on the basis of continuous Evaluation process. During a semester student teaching-learning process is evaluated through term work, average of two Internal Assessment test, Oral and End Semester Examination marks for the particular subject. Academic calendar also has a prescribed slot for conduction of Oral examination. All the college level activities such as Vyro, Jr.Vyro, IETE paper presentation, project exhibition, Sports week, Tantrotsav, Industrial visit, expert lecture etc. to be held in an Academic year are planned according to university of Mumbai calendar.

2.6 – Student Performance and Learning Outcomes

2.6.1 – Program outcomes, program specific outcomes and course outcomes for all programs offered by the institution are stated and displayed in website of the institution (to provide the weblink)

https://universalcollegeofengineering.edu.in/courses-admissions/civil/objective-outcome/

2.6.2 – Pass percentage of students

Programme Code	Programme Name	Programme Specialization	Number of students appeared in the final year examination	Number of students passed in final year examination	Pass Percentage

346019110	BE	Civil Engineering	147	129	87.76
346024510	BE	Computer Engineering	126	123	97.62
346037210	BE	Electronics & Telecommunication Engineering	39	37	94.87
346037610	BE	Electronics Engineering	17	17	100
346024610	BE	Information Technology	79	73	92.41

View File

2.7 – Student Satisfaction Survey

2.7.1 – Student Satisfaction Survey (SSS) on overall institutional performance (Institution may design the questionnaire) (results and details be provided as weblink)

https://universalcollegeofengineering.edu.in/student-satisfaction-survey/

CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION

3.1 – Resource Mobilization for Research

3.1.1 – Research funds sanctioned and received from various agencies, industry and other organisations

Nature of the Project	Duration	Name of the funding agency	Total grant sanctioned	Amount received during the year
Major Projects	365	Institute of Engineers (INDIA)	20000	20000
Projects sponsored by the University	365	Vidya Vikas Education Trust	2214	2214
Projects sponsored by the University	365	Vidya Vikas Education Trust	6815	6815

View File

3.2 – Innovation Ecosystem

3.2.1 – Workshops/Seminars Conducted on Intellectual Property Rights (IPR) and Industry-Academia Innovative practices during the year

Title of workshop/seminar	Name of the Dept.	Date
Workshop on Soft Computing	Computer Engineering	21/01/2019
Seminar on Fuzzy Logic	Computer Engineering	01/02/2019
Awareness seminar on Biocompost by using daily kitchen waste and dry waste at home	Computer Engineering	13/02/2019

Workshop on Ethical hacking	Computer Engineering	18/02/2019
Workshop on Machine Learning	Computer Engineering	01/03/2019
Seminar on Security Awareness	Computer Engineering	13/03/2019
Seminar on D-Link Academy Campus Connect Program	Computer Engineering	19/03/2019
Seminar on Artificial Intelligent	Computer Engineering	20/03/2019
Workshop on Digital Signal Prepossessing	Computer Engineering	29/03/2019
Seminar on Deep Learning	Computer Engineering	05/04/2019
Seminar on Opportunity in real estate construction and management	Civil Engineering	25/02/2019
Expert Lecture on Ground Improvement techniques-Vibroflotation	Civil Engineering	07/03/2019
Guest Lecture on Post-Tesnsioned Slab- An Advanced Approach	Civil Engineering	16/03/2019
Expert Lecture onDesign of Coupling Beam and its Structural Advantages	Civil Engineering	10/04/2019
Workshop on Engineering – A Professional Course, Expectations v/s reality (Real Life Scenario)	APPLIED SCIENCE AND HUMANITIES	30/08/2019
Seminar on Industry Requirements Individual plus interdisciplinary opportunities	APPLIED SCIENCE AND HUMANITIESAPPLIDE SCIENCE AND HUMANITIES	09/11/2018
Guest Lecture on SEMICONDUCTORS AND ITS APPLICATION	APPLIED SCIENCE AND HUMANITIES	19/09/2018
Workshop on PROJECT MANAGEMENT	APPLIED SCIENCE AND HUMANITIES	27/09/2018
Guest Lecture on Memory Enhancement Stress Management	APPLIED SCIENCE AND HUMANITIES	03/10/2018
Guest Lecture on Nutritional Habbits	APPLIED SCIENCE AND HUMANITIES	15/10/2018
Guest Lectureon Session on Leadership	APPLIED SCIENCE AND HUMANITIES	29/10/2018
Workshop on MATHEMATICS AND STATISTICS INVOLVED IN STOCK EXCHANGE	APPLIED SCIENCE AND HUMANITIES	15/01/2019
Guest Lecture on Waste	APPLIED SCIENCE AND	08/02/2019

Management	HUMANITIES	
Seminar on AWARENESS OF GOOD LABORATORY PRACTICE AND GOOD MANUFACTURING PRACTICE	APPLIED SCIENCE AND HUMANITIES	20/02/2019
Expert Lecture on Rain water harvesting Methods in Mumbai	Civil Engineering	21/07/2018
Expert Lecture on Practical Approach of Aproximate analysis of structure	Civil Engineering	18/08/2018
Expert Lecture on Concrete Mix Design and RMC	Civil Engineering	27/08/2018
Expert Lecture on Smart City Ideation in all Domains	Civil Engineering	06/09/2018
Expert Lecture on Road Safety Awareness for Young Drivers	Civil Engineering	24/09/2018
Expert Lecture on Building Information Modelling (BIM)	Civil Engineering	05/10/2018
Expert Lecture on Audit of Structures in Industrial Plants	Civil Engineering	10/10/2018
Guest Lecture on Modern Lighting Design	Civil Engineering	23/10/2018
Seminar on Built Environment Studies	Civil Engineering	21/01/2019
Guest Lecture on Airport planning, design and execution problems	Civil Engineering	02/02/2019
Expert Lecture on Evolution of Pre-stressed Concreting and its advantages	Civil Engineering	11/02/2019
Seminar on Utilisation of softwares in structural Design	Civil Engineering	14/02/2019
Seminar on DIFFERENTIAL EQUATION INVOLVED IN MACHINE LEARNING	APPLIED SCIENCE AND HUMANITIES	05/03/2019
Workshop on Digital Content Creation	APPLIED SCIENCE AND HUMANITIES	22/03/2019
Guest Lecture on PRODUCTION PLANNING AND CONTROL	APPLIED SCIENCE AND HUMANITIES	29/03/2019
Guest Lecture on	APPLIED SCIENCE AND	01/04/2019

Isometric Projections and effective usage of a Mini Drafter	HUMANITIES	
Guest Lecture on SUPPLY CHAIN MANAGEMENT	APPLIED SCIENCE AND HUMANITIES	08/04/2019
Guest Lecture on Session on Mind games for refreshment	APPLIED SCIENCE AND HUMANITIES	12/04/2019
Expert Lecture on Latex	Information Technology	30/07/2018
Expert Lecture on Ethical hacking	Information Technology	08/06/2018
Seminar on PHP workshop	Information Technology	13/08/2018
Expert Lecture on Dot net	Information Technology	24/08/2018
Expert Lecture on c #	Information Technology	11/09/2018
Workshop on Intellectual Property Rights	Information Technology	20/09/2018
Expert Lecture on Data analytics using R	Information Technology	21/09/2018
Expert Lecture on Voice controlled Robots	Information Technology	29/09/2018
Expert Lecture on R programming	Information Technology	24/01/2019
Expert Lecture on Cloud Computing	Information Technology	05/02/2019
Workshop on Ethical Hacking	Information Technology	18/02/2019
Expert Lecture on Wireless network	Information Technology	22/02/2019
Expert Lecture on Path to open source contribution	Information Technology	26/02/2019
Expert Lecture on Machine Learning	Information Technology	01/03/2019
Expert Lecture on Python	Information Technology	13/03/2019
Expert Lecture on Addressing modes of 8086 wrt coa	Information Technology	20/03/2019
Expert Lecture on Digital Signal Processing	Information Technology	05/04/2019
STTP on Data analytics using python,understanding machine learning and NLP	Information Technology	24/06/2019
Expert lecture on Webinar on VLSI	Electronics Telecommunication	13/07/2018
Expert lecture on Introduction to Smith Chart	Electronics Telecommunication	14/08/2018
Expert lecture on Cyber	Electronics	24/08/2018

Security	Telecommunication	
Expert lecture on Networking	Electronics Telecommunication	13/08/2018
Expert lecture on Stub matching using Smith Chart	Electronics Telecommunication	21/09/2018
Expert lecture on Maxwells Equation	Electronics Telecommunication	29/09/2018
Expert lectrue on Telecom Network Management	Electronics Telecommunication	04/10/2018
Expert lecture on Android Development in Telecom Sector	Electronics Telecommunication	22/10/2018
Expert lecture on Signals and System	Electronics Telecommunication	11/10/2018
Expert lecture on Microprocessor and controller	Electronics Telecommunication	19/10/2018
Expert lecture on Recent trades in Electric Vehicle	Electronics Telecommunication	22/10/2018
Workshop on Arduino Board and Robotics	Electronics Telecommunication	05/01/2019
Expert lecture on Analog and Digital Signal Processing	Electronics Telecommunication	23/01/2019
Expert lecture on Industry 4.0	Electronics Telecommunication	24/01/2019
Expert lecture on Latex	Electronics Telecommunication	28/01/2019
Expert lecture on Industrial Automation	Electronics Telecommunication	04/02/2019
Expert lecture on speech processing	Electronics Telecommunication	22/02/2019
Expert lecture on Automation	Electronics Telecommunication	13/03/2019
Expert lecture on CCN	Electronics Telecommunication	20/03/2019
Expert lecture on Basic of IOT	Electronics Telecommunication	30/03/2019
Expert lecture on Microwave Tubes	Electronics Telecommunication	03/04/2019
Expert lecture on Signal Processing	Electronics Telecommunication	12/04/2019
Expert lecture on Webinar on VLSI	Electronics Engineering	13/07/2018
Expert lecture on Introduction to Smith Chart	Electronics Engineering	14/08/2018

Expert lecture on Cyber Security	Electronics Engineering	24/08/2018
Expert lecture on Networking	Electronics Engineering	13/08/2018
Expert lecture on Stub matching using Smith Chart	Electronics Engineering	21/09/2018
Expert lecture on Maxwells Equation	Electronics Engineering	29/09/2018
Expert lecture on Telecom Network Management	Electronics Engineering	04/10/2018
Expert lecture on Android Development in Telecom Sector	Electronics Engineering	22/10/2018
Expert lecture on Signals and System	Electronics Engineering	11/10/2018
Expert lecture on Microprocessor and controller	Electronics Engineering	18/10/2018
Expert lecture on Recent trades in Electric Vehicle	Electronics Engineering	22/10/2018
Workshop on Arduino Board and Robotics	Electronics Engineering	05/01/2019
Expert lecture on Analog and Digital Signal Processing	Electronics Engineering	23/01/2019
Expert lecture on Industry 4.0	Electronics Engineering	24/01/2019
Expert lecture on Latex	Electronics Engineering	28/01/2019
Expert lecture on Industrial Automation	Electronics Engineering	04/02/2019
Expert lecture on speech processing	Electronics Engineering	22/02/2019
Expert lecture on CCN	Electronics Engineering	20/03/2019
Expert lecture on Basic of IOT	Electronics Engineering	30/03/2019
Expert lecture on Microwave Tubes	Electronics Engineering	03/04/2019
Expert lecture on Signal Processing	Electronics Engineering	12/04/2019
Seminar on R programming	Computer Engineering	20/07/2018
Workshop on Latex	Computer Engineering	30/07/2018
Seminar on IOT (Internet of Things)	Computer Engineering	06/08/2018
Seminar on Python	Computer Engineering	13/08/2018
Workshop on Dot net	Computer Engineering	24/08/2018

Seminar on c #	Computer Engineering	11/09/2018
Workshop on AR and VR	Computer Engineering	21/09/2018
Workshop on Progressive web pages	Computer Engineering	24/09/2018
STTP on Data Analytics with Machine Learning and Deep Learning	Computer Engineering	17/12/2018

3.2.2 – Awards for Innovation won by Institution/Teachers/Research scholars/Students during the year

Title of the innovation	Name of Awardee	Awarding Agency	Date of award	Category
Smart Dustbin	Chinmay Kolhatkar (B.E. ETRX)	Melting Pot, Young Innovator Award, Hyderabad	10/08/2018	Student
Hybrid Solar Car	Simankan Dengre (T.E. EXTC)	AUTOMATION EXPO 2018	01/09/2018	Student
Earthquake resistant G 6 structure using popsicle sticks	Jaydeeep Pansuriya Parth Parmar, Rohit Patel, Sayani Paul (T.E. Civil) Ashok Gadave, Jayant Rokhande, Karan Raul, Shubham Singh, Tushar Borade (B.E Civil)	IIT Gandhinagar	21/10/2018	Student
Smart City–A step towards Digitization	Sagar Mistry. (B.E. Computer) Aditya Gosalia. (B.E. Computer) Yash Kuvawala. (B.E. Computer) Jignesh Kotadia. (B.E. Computer)	IIT Hyderabad	10/02/2019	Student
To design Light weight concrete using EPS to prepare a canoe.	Hitesh Rawal, Manish Thakare, Sahil Pawar and Vignesh Pandit (T.E. Civil)	IIT Bombay	13/03/2019	Student
Base Isolation of Foundation	Miraj Thakker and Dilesh Solanki (T.E. Civil)	IIT Bombay	18/03/2019	Student
GENERATION OF ELECTRICITY USING VERTICAL AXIS WIND TURBINE AT THE MEDIAN OF	Kishan Das, Sumit Gupta, Yash Tiwari (B.E. Civil)	Avishkar Research Convection 2018, RAIT College	23/12/2018	Student

HIGHWAY				
Designing a bridge using popsicle sticks to sustain maximum load with minimum self weight.	**Ravi Kanojiya, Darshan Mange, Nayan Chavda (T.E. Civil)**	**IIT Hyderabad**	**23/02/2019**	**Student**
Design of waste water treatment Plant for Naigaon	**Ravi Kanojiya, Darshan Mange, Nayan Chavda (T.E. Civil) Praful Rahate, Riddhi Vichare Sanket Kanerkar (T.E. Civil)**	**IET Belapur Local Center**	**22/03/2019**	**Student**

[View File](#)

3.2.3 – No. of Incubation centre created, start-ups incubated on campus during the year

Incubation Center	Name	Sponsored By	Name of the Start-up	Nature of Start-up	Date of Commencement
426	**Jigar Chauhan (B.E. IT)**	**Universal College of Engineering**	**Eversmile realtors**	**Real Estate Consultant**	**16/01/2019**
426	**Shubham warghade (B.E. Computer)**	**Universal College of Engineering**	**Essential Tech**	**Web Devepement**	**16/03/2019**
426	**Smit Khakhkhar (S.E. Computer)**	**Universal College of Engineering**	**Compendious Medialabs Pvt. Ltd.**	**Tech Media Services**	**01/04/2019**
426	**Kamran Shaikh (B.E. Civil)**	**Universal College of Engineering**	**Edificio Civil Consultancy Associates**	**Civil Consultant and Contractor**	**10/05/2019**
426	**Ami Gosalia (B.E. IT)**	**Universal College of Engineering**	**Second machine age consultancy services pvt.ltd.**	**Robotic process automation developer**	**17/06/2019**
426	**Rushabh Karelia (B.E.EXTC)**	**Universal College of Engineering**	**Light Creators**	**RD Projects**	**12/06/2019**

[View File](#)

3.3 – Research Publications and Awards

3.3.1 – Incentive to the teachers who receive recognition/awards

State	National	International
0	**3**	**0**

3.3.2 – Ph. Ds awarded during the year (applicable for PG College, Research Center)

Name of the Department	Number of PhD's Awarded
Not Applicable	Nill

3.3.3 – Research Publications in the Journals notified on UGC website during the year

Type	Department	Number of Publication	Average Impact Factor (if any)
International	Civil Engineering	24	5.75
International	Computer Engineering	42	4.3
International	Electronics Engineering	3	3.5
International	Electronics Telecommunication	11	3.5
International	Information Technology	10	4.5
International	Applied Science Humanities	2	6.2
		View File	

3.3.4 – Books and Chapters in edited Volumes / Books published, and papers in National/International Conference Proceedings per Teacher during the year

Department	Number of Publication
Civil Engineering	2
Computer Engineering	15
Information Technology	14
Electronics Engineering	1
Electronics and Telecommunication	1
Applied Science and Humanities	9
View File	

3.3.5 – Bibliometrics of the publications during the last Academic year based on average citation index in Scopus/ Web of Science or PubMed/ Indian Citation Index

Title of the Paper	Name of Author	Title of journal	Year of publication	Citation Index	Institutional affiliation as mentioned in the publication	Number of citations excluding self citation
IOT enabled prepaid electricity meter	Jigar Chauhan	2nd International Conference on Advances in Science Technology (ICAST) 2019 on 8th, 9th April 2019 by K J Somaiya	2019	1	K J somaiya institute of engineering and information technology	1

	Institute of Engineering Information Technology, Mumbai, India				

View File

3.3.6 – h-Index of the Institutional Publications during the year. (based on Scopus/ Web of science)

Title of the Paper	Name of Author	Title of journal	Year of publication	h-index	Number of citations excluding self citation	Institutional affiliation as mentioned in the publication
IOT enabled prepaid electricity meter	Jigar M. Chauhan	2nd International Conference on Advances in Science Technology	2019	3	1	Universal College of Engineering

View File

3.3.7 – Faculty participation in Seminars/Conferences and Symposia during the year :

Number of Faculty	International	National	State	Local
Attended/Seminars/Workshops	Nill	Nill	Nill	64
Presented papers	5	Nill	Nill	Nill
Resource persons	Nill	Nill	Nill	27

View File

3.4 – Extension Activities

3.4.1 – Number of extension and outreach programmes conducted in collaboration with industry, community and Non- Government Organisations through NSS/NCC/Red cross/Youth Red Cross (YRC) etc., during the year

Title of the activities	Organising unit/agency/ collaborating agency	Number of teachers participated in such activities	Number of students participated in such activities
Fire Safety Seminar (At UCOE Campus)	NSS	2	38
Swatch bharat Clean up Drive at Sanjay Gandhi National Park (Borivali—Mumbai)	NSS	2	28
Beach clean up drive at Rangaon (Palghar)	NSS	3	45
Time Management for Working Women	WDC	9	4

(At UCOE Campus)			
Professional Grooming Session for Female Students (At UCOE Campus)	WDC	4	19
Self Defence Camp for Female Students (At UCOE Campus conducted by Mr. Vaibhav Oza)	WDC	2	88
Pulse Diagnosis Camp (At UCOE Campus)	WDC	48	40
Campaign for ZP School Girl at Nagla Village	WDC	2	78
Nagle Village Survey	NSS	2	35

View File

3.4.2 – Awards and recognition received for extension activities from Government and other recognized bodies during the year

Name of the activity	Award/Recognition	Awarding Bodies	Number of students Benefited
IIT Hackathon	Winner	Government of India	3
IIT Hackathon	Winner	Government of India	6
Smart India Hackathon	Winner	Government of India	6
E-Yantra Idea Competition	Finalist	IIT Bombay	3
Elan n Vision	Winners	IIT Hyderabad	3
Avishkar Research Convection 2018	Winners	Ramrao Adik Institute of Technology ,Nerul	3
Summer Internship /Fellowship Program IDEATHONE 2019	Winners	Ural Federal University, Russia	2
IEEE WIE	STUDENT ACHIEVEMENT IEEE WIE INTERNSHIP LEADERSHIP CONFERENCE IN AUSTIN TEXAS USA	IEEE	1
INTERNATIONAL SOCIETY OF AUTOMATION(ISA)	STUDENT MENTOR OF THE YEAR AWARD BY INTERNATIONAL SOCIETY OF AUTOMATION(ISA)	INTERNATIONAL SOCIETY OF AUTOMATION(ISA)	1
IIT VARANASI	Runner-up	IIT Varanasi	5

| (BHU) TECHNEX19 (8-10 / 03/ 2019) | | | | |

3.4.3 – Students participating in extension activities with Government Organisations, Non-Government Organisations and programmes such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the year

Name of the scheme	Organising unit/Agency/collaborating agency	Name of the activity	Number of teachers participated in such activites	Number of students participated in such activites
NSS	UCOE	Fire Safety Seminar (At UCOE Campus)	2	38
NSS	UCOE	Swatch bharat Clean up Drive at Sanjay Gandhi National Park (Borivali-Mumbai)	2	28
NSS	UCOE	Beach clean up drive at Rangaon (Palghar)	3	45
NSS	UCOE	First Aid Seminar (At UCOE Campus)	1	40
NSS	UCOE	Traffic Safety Seminar (At UCOE Campus)	3	25
WDC	UCOE	Time Management for Working Women (At UCOE Campus)	9	4
WDC	UCOE	Professional Grooming Session for Female Students (At UCOE Campus)	4	19
WDC	UCOE	Self Defense Camp for Female Students (At UCOE Campus conducted by Mr. Vaibhav Oza)	2	88
WDC	Ayurvedic Sukrut Center	Pulse Diagnosis Camp (At UCOE Campus)	48	40
WDC	UCOE	Campaign for ZP School Girl	2	78

		at Nagla Village		

[View File](#)

3.5 – Collaborations

3.5.1 – Number of Collaborative activities for research, faculty exchange, student exchange during the year

Nature of activity	Participant	Source of financial support	Duration
Industrial Visit at Gorai Transfer station, Borivali	47	Universal college of Engineering, Kaman	1
Industrial Visit at Versova Sewage Treatment Plant, Andheri	120	Universal college of Engineering, Kaman	1
Survey project for SE Civil Students at Gholvad (Field Visit)	140	Universal college of Engineering, Kaman	4
Industrial visit under Computer society of India to Tech Mahindra (Indusrial Visit at Warli)	15	Universal college of Engineering, Kaman	1
Sudhir Power Ltd.(lavasa,gujrat) (Indusrial Visit)	126	Universal college of Engineering, Kaman	1
CMS Marble Company (Indusrial Visit at silvasa for SE ,TE and BE Computer Students)	149	Universal college of Engineering, Kaman	1
Guest Lecture on Robotics by Ms. Kaveri Sawant for the students of Poddar Jr. College, Bhayander on Wired and Wireless Robotics at UCOE	70	Universal college of Engineering, Kaman	1
One day Industrial visit at MTNL,Mumbai (Indusrial Visit)	20	Universal college of Engineering, Kaman	1
One day Industrial visit at Alok innovative Textile solution	10	Universal college of Engineering, Kaman	1
Guest Lecture on Robotics by Mr. Sandeep Dubey for the students of	32	Universal college of Engineering, Kaman	1

Muchhala Polytechnic, Thane at UCOE					

<div align="center">

View File

</div>

3.5.2 – Linkages with institutions/industries for internship, on-the- job training, project work, sharing of research facilities etc. during the year

Nature of linkage	Title of the linkage	Name of the partnering institution/ industry /research lab with contact details	Duration From	Duration To	Participant
Industrial Interaction	**On job Training**	**MCGM water tunnel project, Powai**	**13/03/2019**	**14/03/2019**	**133**
Industrial Interaction	**Internship**	**SHANTEE REALTY LIFE SPACE, VASAI**	**05/06/2019**	**04/07/2019**	**1**
Industrial Interaction	**Internship**	**TIMES SQUARE MAROL ANDHERI, EAST**	**11/06/2019**	**10/07/2019**	**2**
Industrial Interaction	**Internship**	**TANVI ENTERPRISES AZAD, THANE WEST**	**10/06/2019**	**01/07/2019**	**5**
Industrial Interaction	**Internship**	**Analyticsc osm**	**12/06/2019**	**18/07/2019**	**2**
Industrial Interaction	**Internship**	**Talent Excel**	**04/06/2019**	**30/09/2019**	**18**
Knowledge Exchange	**Faculty Exchange**	**P R P plol ytechnic, Mira road**	**09/01/2019**	**09/01/2019**	**1**
Knowledge Exchange	**Faculty Exchange Program**	**Vidyalankar College of Engineering**	**22/02/2019**	**22/02/2019**	**1**
Industrial Interaction	**Internship**	**Internshala**	**27/05/2019**	**13/07/2019**	**67**

<div align="center">

View File

</div>

3.5.3 – MoUs signed with institutions of national, international importance, other universities, industries, corporate houses etc. during the year

Organisation	Date of MoU signed	Purpose/Activities	Number of students/teachers participated under MoUs
Newmat Ind Pvt ltd	**05/09/2018**	**Placement**	**3**
NASSCOM	**08/10/2018**	**Skill Development**	**81**

CADD CENTER	20/08/2019	Internship/ Knowledge Up-gradation	19
Sahu technologies	14/05/2019	Internship	67
LIGHT CREATORS	29/06/2019	R and D Projects	8
Edu Cad	27/02/2019	Internship/ Knowledge Up-gradation	16
View File			

CRITERION IV – INFRASTRUCTURE AND LEARNING RESOURCES

4.1 – Physical Facilities

4.1.1 – Budget allocation, excluding salary for infrastructure augmentation during the year

Budget allocated for infrastructure augmentation	Budget utilized for infrastructure development
80	68.47

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Campus Area	Existing
Class rooms	Existing
Laboratories	Existing
Seminar Halls	Existing
Classrooms with LCD facilities	Existing
Classrooms with Wi-Fi OR LAN	Existing
Seminar halls with ICT facilities	Existing
Number of important equipments purchased (Greater than 1-0 lakh) during the current year	Existing
Value of the equipment purchased during the year (rs. in lakhs)	Newly Added
View File	

4.2 – Library as a Learning Resource

4.2.1 – Library is automated {Integrated Library Management System (ILMS)}

Name of the ILMS software	Nature of automation (fully or patially)	Version	Year of automation
e-granthalaya	Partially	3.0	2012

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	11723	7103211	1130	542100	12853	7645311
Reference Books	1372	698023	112	146063	1484	844086
e-Books	Nill	Nill	2	Nill	2	Nill

Journals	20	210232	Nill	Nill	20	210232
e-Journals	8	863127	Nill	Nill	8	863127
Digital Database	5	Nill	5	Nill	10	Nill
CD & Video	10	28780	Nill	Nill	10	28780
Library Automation	1	1	1	1	2	2
Weeding (hard & soft)	Nill	Nill	Nill	Nill	Nill	Nill
Others(specify)	252	255422	13	15238	265	270660

View File

4.2.3 – E-content developed by teachers such as: e-PG- Pathshala, CEC (under e-PG- Pathshala CEC (Under Graduate) SWAYAM other MOOCs platform NPTEL/NMEICT/any other Government initiatives & institutional (Learning Management System (LMS) etc

Name of the Teacher	Name of the Module	Platform on which module is developed	Date of launching e-content
Mr. Sridhar C. Iyer	Beginner Course in System Security Digital Forensics	Udemy-Online Courses	29/10/2019
Mr. Sandeep Dubey	Grey level transformation	http://content.e-yantra.org/	19/11/2018

View File

4.3 – IT Infrastructure

4.3.1 – Technology Upgradation (overall)

Type	Total Computers	Computer Lab	Internet	Browsing centers	Computer Centers	Office	Departments	Available Bandwidth (MBPS/ GBPS)	Others
Existing	574	20	50	1	1	8	26	50	106
Added	0	0	0	0	0	0	0	0	0
Total	574	20	50	1	1	8	26	50	106

4.3.2 – Bandwidth available of internet connection in the Institution (Leased line)

50 MBPS/ GBPS

4.3.3 – Facility for e-content

Name of the e-content development facility	Provide the link of the videos and media centre and recording facility
E Yantra	http://content.e-yantra.org/
Udemy Course	https://www.udemy.com/topic/General-Securities-Representative-Exam/?gclid=EAIaIQobChMI24qBiYCw5wIVjBiPCh1sxw8VEAAYASA

4.4 – Maintenance of Campus Infrastructure

4.4.1 – Expenditure incurred on maintenance of physical facilities and academic support facilities, excluding salary component, during the year

Assigned Budget on academic facilities	Expenditure incurred on maintenance of academic facilities	Assigned budget on physical facilities	Expenditure incurredon maintenance of physical facilites
54	49.37	300	267.93

4.4.2 – Procedures and policies for maintaining and utilizing physical, academic and support facilities - laboratory, library, sports complex, computers, classrooms etc. (maximum 500 words) (information to be available in institutional Website, provide link)

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

https://universalcollegeofengineering.edu.in/procedures-and-policies-for-maintaining-and-utilizing-facilities/

CRITERION V – STUDENT SUPPORT AND PROGRESSION

5.1 – Student Support

5.1.1 – Scholarships and Financial Support

	Name/Title of the scheme	Number of students	Amount in Rupees
Financial Support from institution	CAST OBC/SC/ST/NT/EBC	430	5718403.5
Financial Support from Other Sources			
a) National	NA	Nill	0
b)International	NA	Nill	0
	View File		

5.1.2 – Number of capability enhancement and development schemes such as Soft skill development, Remedial coaching, Language lab, Bridge courses, Yoga, Meditation, Personal Counselling and Mentoring etc.,

Name of the capability enhancement scheme	Date of implemetation	Number of students enrolled	Agencies involved
Yoga and Meditation	21/06/2018	35	AVP Surjit Ayurveda Treatment

			Centre, UCOE
Soft Skill Development	18/06/2018	144	Swapnil Karvir
Personal Counselling	18/06/2018	144	Swapnil Karvir
Bridge Course	27/08/2018	218	UCOE

View File

5.1.3 – Students benefited by guidance for competitive examinations and career counselling offered by the institution during the year

Year	Name of the scheme	Number of benefited students for competitive examination	Number of benefited students by career counseling activities	Number of students who have passedin the comp. exam	Number of studentsp placed
2018	MindMap Learning LLP (NASSCOM)	81	81	81	11

View File

5.1.4 – Institutional mechanism for transparency, timely redressal of student grievances, Prevention of sexual harassment and ragging cases during the year

Total grievances received	Number of grievances redressed	Avg. number of days for grievance redressal
2	2	5

5.2 – Student Progression

5.2.1 – Details of campus placement during the year

On campus			Off campus		
Nameof organizations visited	Number of students participated	Number of stduents placed	Nameof organizations visited	Number of students participated	Number of stduents placed
Feat Systems	98	15	Laser Turbo Infotech	25	6

View File

5.2.2 – Student progression to higher education in percentage during the year

Year	Number of students enrolling into higher education	Programme graduated from	Depratment graduated from	Name of institution joined	Name of programme admitted to
2019	2	BE Civil	Civil	University of Adelaide	MS in Geotechical Engineering
2019	1	BE Civil	Civil	University of Adelaide	MS in Construction Management
2019	1	BE Civil	Civil	University of Adelaide	MS in Structural

Year	Number	Course	Stream	University/College	Degree
					Engineering
2019	1	BE IT	Information Technology	UCD, DUBLIN	MSc Digital Investigation & Forensic Computing
2019	1	BE EXTC	Electronics & Telecommunication	Rochester institute of technology, US	MS in Electrical Engineering
2019	1	BE Computer	Computer Engineering	University of Texas, Arlington USA	MS in Computer Science
2018	1	BE Computer	Computer Engineering	Fanshawe college, Canada	MS in Computer Science
2019	5	BE Computer	Computer Engineering	University of Dayton – USA	MS in Computer Science
2019	4	BE Civil	Civil	NICMAR, INDIA	MTech in Construction Management
2018	1	BE IT	Information Technology	University of Dayton	MS Computer Science

View File

5.2.3 – Students qualifying in state/ national/ international level examinations during the year (eg:NET/SET/SLET/GATE/GMAT/CAT/GRE/TOFEL/Civil Services/State Government Services)

Items	Number of students selected/ qualifying
GATE	2
TOFEL	13
GRE	12
Any Other	14

View File

5.2.4 – Sports and cultural activities / competitions organised at the institution level during the year

Activity	Level	Number of Participants
National level paper presentation	National	1685
VYRO	National	2014
Jr.Vyro	State	892
Tantrostav-The Celebration of Engineering	Institute	520
Tahuko	Institute	675
Aurora-Intra Sports Cultural	Institute	1321

Freshers party	Institute	198
Farewell party	Institute	342
Republic Day	Institute	445
Teachers day	Institute	588

View File

5.3 – Student Participation and Activities

5.3.1 – Number of awards/medals for outstanding performance in sports/cultural activities at national/international level (award for a team event should be counted as one)

Year	Name of the award/medal	National/ Internaional	Number of awards for Sports	Number of awards for Cultural	Student ID number	Name of the student
2019	COEP ZEST PUNE	National	2	Nill	00000000 00002520	Daivik Shetty
2019	MUBAI UNIVERSITY zone 5	National	1	Nill	00000000 00001373	Parth Tulaskar
2019	SPIT NATIONAL LEVEL SPORTS AND CULTURAL	National	1	Nill	00000000 00002383	Sahil Ranim

View File

5.3.2 – Activity of Student Council & representation of students on academic & administrative bodies/committees of the institution (maximum 500 words)

UCoEs Students' Council is very active and the Council is guided by Teaching Fraternity. Students demonstrate a great deal of excitement in all activities conducted under various committees of the Institute. In the institute, the Students' Council also participates in numerous operations to present the students opinions and recommendations on their topics, syllabus, and other associated matters linked to the students in the Institute. UcoE Students'Council helps students to share ideas, interests and concerns with teachers and Principal. UCoEs Students'Council often come together to raise resources for social activities, community-related initiatives and help the needy. Members also spreads awareness about anti- ragging rules among students.The Students' Council members are very active during Tantrotsav-Celebration of Engineering, National Level Tech-fest VYRO, National Level Paper cum Poster Presentation etc. are conducted every year. Students engage wholeheartedly to make all Inter-Collegiate events successful. In addition to VYRO, the Universal College of Engineering conducts Jr. VYRO with enthusiastic participation of students from junior colleges from Bhiwandi and Mumbai region. Principal along with IQAC team conducts annual meeting regarding various academic and non-academic issues with the students' council and takes feedback for future development of the institute.

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

Yes

Universal College of Engineering have registered alumni association by the name "UCOE ALUMNI ASSOCIATION" having an Indian Bank account : CA-6655926067. The alumni association had held its first alumni conference on November 18, 2017

making it an annual activity. For the academic year 2018-19 alumni meet was organized on 16th March 2019 with total attendance of 74 alumni. Experience Sharing: During Alumni meet, the graduated students share the challenges encountered by them in their project works, career development guidance, interview techniques, placement activity, software training, benefits of internship, industry academia interaction and other initiatives which are useful in enriching their knowledge. The experiences shared by the alumni are valuable sources of information for our current students. Through these sessions, our students not only learn about different careers, but also explore various options in greater depth. 1. The performance of our past students, prompted 'SportsTech' to recruit the students of our next batch. In short, our senior students act as a bridge between the college and industry. 2. The alumni community of UCoE has been the most effective medium not just with the graduates but also with the present students in providing opportunities in improving their career and professionalism. 3. The alumni is an asset to the institute because of their contributions and participation the general growth of the Universal College of Engineering has improved. 4. The alumni community of UcoE has also provided their valuable guidance in organizing events in the institutes and has also contributed in kind for sports and cultural events.

5.4.2 – No. of enrolled Alumni:

428

5.4.3 – Alumni contribution during the year (in Rupees) :

214000

5.4.4 – Meetings/activities organized by Alumni Association :

Meeting-1 Activity/Workshop 3 1. Kalpesh Vartak- Basics of Networking 2. Shivani Ahir- How to write report using Latex 3. Tanay Makwana- Basics on Embedded system

CRITERION VI – GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 – Institutional Vision and Leadership

6.1.1 – Mention two practices of decentralization and participative management during the last year (maximum 500 words)

Bridge Course for F.E. Dr. Ekta Upadhyay, head of department of computer engineering suggested "Bridge Course" for F.E students to help students to polish their skills in IQAC meeting. Teachers play a vital role in any decision, related to academics. The Management considered the suggestion and asked to involve all department faculties to conduct activities and training session in Bridge course. Universal College of Engineering conducted the Bridge Course on 30th and 31st July, 2018 for the freshly enrolled F.E students, a successful endeavor to introduce the curriculum by integrating hands on activities and experiences which enabled students to understand their forthcoming engineering subjects equipped with learning new concepts and skills to be future ready Engineers. Day 1 included activities for the subjects like Communication Skills, Applied Mathematics, Applied science, Civil and Electronics and Telecommunication related Hardware Projects. Activities on basic Programming, Computer Skills, Model Making, and Poster Presentation were incorporated on Day 2. NASSCOM Training for BE Students Universal College of Engineering conducts training program for B.E. students. Final year students conveyed to their respective class co-ordinators to arrange placement training sessions for them and the same was conveyed by Head of department in IQAC meeting. A democratic approach is adopted wherein faculty and student members are free to voice their opinion on academic matters. Management asked Training and Placement Officer(TPO) to arrange a training session for BE Students. The

training program was provided in association with NASSCOM for two different courses User Interface (UI) design and ASP.net . The Training was designed in such a way that it was useful to bridge the gap of students to match industry requirements. The courses taught were truly value added as it was content beyond their academic curriculum. Student completed the 3 months training and gave exam for certification. This training was conducted by certified trainer from industry who delivered the content with hands on practical session

6.1.2 – Does the institution have a Management Information System (MIS)?

Partial

6.2 – Strategy Development and Deployment

6.2.1 – Quality improvement strategies adopted by the institution for each of the following (with in 100 words each):

Strategy Type	Details
Curriculum Development	For the effective implementation of the curriculum and efficacious content delivery, a proper planning, evaluation and analyzing process is followed. Many faculty members of the institute actively participate in the syllabus revision meetings at the University of Mumbai level. A feedback analysis is done by taking constructive inputs from the various stakeholders, helping to enrich the curriculum and content delivery. The students association and professional student chapter arranges the certification course, guest lectures, Internship and hands on session to cover content beyond syllabus. Value added courses, Bridge course, Expert lectures, Workshops, Industrial Visits are regularly organized to enhance the learning process.
Teaching and Learning	Individual faculty prepares the course plan for the semester in detail including reference book, NPTEL video links in accordance with University of Mumbai prescribed syllabus and academic calendars. It also covers the CO and PO mapping for every topic. It includes content beyond syllabus with practical application perspective for theory concepts. The laboratory manual for the practical is prepared which covers lab course outcome in experiment. Every faculty uses ICT tools to enhance teaching-learning process. Google classroom, youtube videos, ppts are used in classroom through extensive usage of A/V creating an impact of lessons taught. Digital/Non-digital library is accessible to all.
Examination and Evaluation	Exams are conducted as per the University of Mumbai scheme and

	academic calendar. Two Internal Assessment Tests and End Semester Examinations are conducted per semester. The Faculty contributes in the examination work like question paper setting, invigilation in IAT and End Semester Exam. Malpractices in examination are dealt by Unfair Means Committee. Examination Cell maintains proper records in VIVA software. Faculties are approved as examiners/moderators for online as well as offline paper assessment. Evaluation is done by preparing model paper solution for IAT and End Semester as per the format prescribed by the exam controller. Every department Understudy Supervisor verifies the IAT –Average, Term work, oral, practical, project mark sheet in exam section.
Research and Development	All faculty members are encouraged to involve in Research and Development activities in their research domain. Based on the feasible research proposals, financial support is provided by management. UCoE introduced Teaching Assistant (TA), under the guidance of faculty to encourage research culture among students. With TA every faculty can take session for students for their curriculum development. Students those who want to pursue higher studies or get into research can take advantage of it. Students have developed projects under R D cell such as Smart washroom, Smart drip irrigation, Course exit survey portal etc., which are implemented in the campus.
Library, ICT and Physical Infrastructure / Instrumentation	UCoE has a well-equipped library with books from all the different genres and disciplines. The library is partially automated with e-Granthalaya Library Management System, which helps in speeding the transactions and increasing efficiency. Digital Library utilizes a 50 Mbps bandwidth. UCoE widely uses the digital learning platforms such as NPTEL, SWAYAM to deliver quality study materials designed by highly qualified academicians. UCoE strives to provide the best infrastructure and facilities in compliance with the prescribed standards of AICTE to make teaching-learning more effective. The Institute has an array of well-equipped

		classrooms, laboratories, tutorial rooms, drawing hall and seminar hall.
	Human Resource Management	UCoE staff recruitment process is carried out as per University of Mumbai Norms. UCoE follows unbiased Performance Appraisal System for existing teaching/non-teaching staff. Human Resource head focuses on maximizing employee performance with overall improvement. UCoE organizes and encourages participation in STTPs, workshops, administrative training for faculty development to update their knowledge and skills. Faculty members are encouraged to enhance their academic qualifications and to take up additional responsibilities to ensure all round development of self, thereby of the department. Management grants On Duty leave to attend Subject Orientation and sponsor registration fee for STTP, FDP and Conference.
	Industry Interaction / Collaboration	Every department has Memorandum of Understanding (MoU) and linkages with industries in order to provide Internship, Training and Placement. Eminent members from industries conduct expert lectures for students to make them aware about current trends in Industry. These industries conduct Campus Hiring Drive in the college every year. Companies provide paid internships and project assistance to students by giving opportunity to work on live projects. Value added courses are designed to provide skill enhancement courses in collaboration with company. Establishment of Innovation Cell by department of Electronics and Telecommunication Engineering and Electronics engineering commenced a new era of innovative ideas in UCoE.
	Admission of Students	Admission process is carried out by abiding by the Rules AICTE and DTE through Centralized Admission Process (CAP). Online admission for F.E. and direct second year is strictly done with the help of stream wise merit list. UCoE follows Govt. Rules for Reserved Category admission. Students who are allotted UCoE in CAP round visit college campus. Student's eligibility is verified in document verification. The College has Admission committee which guides the process of admission and help parents in the

	admission procedure. The student visit record is maintained and their queries are solved by providing interaction with department representatives. All department faculties contribute in admission process.

6.2.2 – Implementation of e-governance in areas of operations:

E-governace area	Details
Planning and Development	Festival management software is used for technical event VYRO and Junior VYRO, IETE paper presentation and poster presentation since 2014–15. The Dashboard maintains the complete event data. Conference manager software was used for IEEE International Conference on Emerging Trends and Smart city (ICSCET–2018). This software maintained record for author, reviewer, and admin. Filters was effectively used by admin to search the status of paper submission. Management Information System(MIS) attendance module developed by software development team of department of computer engineering in April 2019 for attendance record maintenance. MIS system is at budding stages and upgraded incrementally each semester.
Administration	The administrative activities involve maintenance of infrastructure, ground, farm area, bio compost plant, maintenance of campus security and provide support for co-curricular and extracurricular activities. Biometric attendance is maintained for all staff. UCoE uses universal.edu.in domain for intra college communication. Surveillance room is maintained and CCTV cameras are installed in UCoE. Administration has implemented Zendex ticket generation Software for technical and non-technical support to faculties. UCoE has SMS system for broadcasting notice, information to faculties, parents and students .Every Notice is displayed on notice board in campus.
Finance and Accounts	Functions of the finance and accounts are strictly followed with proper accounting practices by maintaining record of each financial transaction. Student fee records are maintained by APPLANE and Tally ERP version 9 accounting software's. All the expenses, staff payroll management, income tax management is done by Tally

	accounting software. This helps keeping records of receipt of funds, projects, donations, student fee, staff salary and all types of purchases and payments of various utility bills and taxes. There are two dedicated accountants who manage the finances. At the end of every financial year, financial audit is conducted by a certified Chartered Account.
Student Admission and Support	APPLANE software is implemented since 2012-13 to ease the tasks of Students admission process. APPLANE has student, staff, PTA management modules. Student admission process is completely done by student management module of APPLANE. Student profile is maintained with all details. Student fee entry is done after admission and receipt is generated. Bus fee entry can be done using Optional fee module. Waiver management maintains student records for TFWS, Free ship and Management waiver scheme. Fee can be paid by DD, Cheque, Credit card, Debit card. Student promotion module used to promote students in next year after verification of admission form from exam section.
Examination	Examination Software-VIVA : The Examination Cell started the use of this software since A.Y. 2013-14 for maintaining examination details of the students. The software is used to maintain all exam records, SGPA,CGPA, result preparation according to rules and regulations prescribed by University of Mumbai . The software support following functionalities ? Define subjects and their credits. ? Define Exam. ? Import students from Excel. ? Give eligibility and allocate the branch. ? Assign exam to all student ? Assign Seat No to all student ? Generating Hall Tickets ? Do Marks Entry (Subject Wise) ? Do Overall Marks Entry (Giving grace marks, applying resolutions etc) ? Generate Gazette ? Generate Result ? Report Generation

6.3 – Faculty Empowerment Strategies

6.3.1 – Teachers provided with financial support to attend conferences / workshops and towards membership fee of professional bodies during the year

Year	Name of Teacher	Name of conference/ workshop attended for which financial support provided	Name of the professional body for which membership fee is provided	Amount of support

2018	Hezal Lopes	Membership Fee for IEEE branch counselor	IEEE Bombay Section	6391
2018	Teena Trivedi	International Workshop Conference on Topology Application	Rajgiri School of Engineering Technology, Kochi	2500
2018	Dr. Ekta Upadhyay	STTP on Data Analytics with Machine Learning and Deep Learning faculty count15	Universal College of Engineering	15000
2019	Hezal Lopes	Membership fee for Women in Engineering Affinity Group	IEEE Bombay Section	1827
2019	Hezal Lopes	Conference of IEEE bombay section Congress 2019	IEEE, Sandip University, Nashik	3090
2019	Hezal Lopes	Workshop on Education Technology and Methodology Use of ICT Tools	Vidyalankar Institute of Technology	300
2019	Chinmay Raut	FDP on Intellectual Property Rights	M.H. Saboo Siddik College of Engineering	500
2019	Sachin Pawar	FDP on Intellectual Property Rights	M.H. Saboo Siddik College of Engineering	500
2019	John Kenny	STTP on High performance Computing at SVNIT, Surat	SVNIT, Surat	1000
2019	Mrs. Yogita Mane Mr. Allan Lopes Mr. Jigar Chauhan Mr. Sandesh Patil Mrs. Mudra Doshi Mrs. Jesleena Gonsalves Mrs. Yogini Bazaz	ISTE approved STTP on Data Analytics using Python, Understanding Machine Learning and NLP	ISTE	5250
View File				

6.3.2 – Number of professional development / administrative training programmes organized by the College for teaching and non teaching staff during the year

Year	Title of the	Title of the	From date	To Date	Number of	Number of

	professional development programme organised for teaching staff	administrative training programme organised for non-teaching staff			participants (Teaching staff)	participants (non-teaching staff)
2018	Not Applicable	Training on Microwave trainer Kits	10/07/2018	10/07/2018	Nill	3
2018	Effective use of Google Classroom	Not Applicable	21/07/2018	21/07/2018	17	Nill
2018	Seminar on Technical Research Paper writing and Plagiarism Check	Not Applicable	21/07/2018	21/07/2018	18	Nill
2018	Responsible Parenthood and personality development of a teacher	Not Applicable	04/08/2018	04/08/2018	53	9
2018	Seminar on Internet of Things	Seminar on Internet of Things	08/08/2018	08/08/2018	13	3
2019	Not Applicable	Hands on Training in 2 D Modelling Software	05/01/2019	05/01/2019	Nill	6
2019	Awareness Seminar on Road Traffic and Safety	Awareness Seminar on Road Traffic and Safety	05/01/2019	05/01/2019	18	5
2019	Seminar on Innovative Technologies for Sustainable Water Resource	Not Applicable	19/01/2019	19/01/2019	18	Nill

| 2019 | Seminar on Bio compost by using daily kitchen waste and dry waste | Seminar on Bio compost by using daily kitchen waste and dry waste | 13/02/2019 | 13/02/2019 | 27 | 4 |
| 2019 | Ethical hacking Workshop | Not Applicable | 18/02/2019 | 20/02/2019 | 13 | Nill |

[View File](#)

6.3.3 – No. of teachers attending professional development programmes, viz., Orientation Programme, Refresher Course, Short Term Course, Faculty Development Programmes during the year

Title of the professional development programme	Number of teachers who attended	From Date	To date	Duration
Two days workshop on Research Methodology	1	30/06/2019	01/07/2019	2
Faculty Orientation Program for Computer Graphics and Virtual Reality at TSEC, Bandra	1	06/07/2018	06/07/2018	1
Orientation program for Multimedia Systems	1	13/07/2018	13/07/2018	1
Orientation program for Database Management System	1	18/07/2018	18/07/2018	1
Orientation program for Microprocessor	1	18/07/2018	18/07/2018	1
Workshop on Practical RF/Microwave Active Circuit Design	1	02/01/2019	06/01/2019	5
STTP on Digital Forensics: Tools, Techniques and Current Trends	1	02/01/2019	08/01/2019	7

Orientation program for Data Warehouse and Mining	1	08/01/2019	08/01/2019	1
Orientation Program for Database Mining and Business Intelligence (DMBI/ Business Intelligence Lab (BI-Lab)	1	09/01/2019	09/01/2019	1
AICTE-ISTE Approved Induction/Refresher Programme Data Analytics using Python, Understanding Machine Learning NLP	1	24/06/2019	28/06/2019	5

View File

6.3.4 – Faculty and Staff recruitment (no. for permanent recruitment):

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
84	Nill	30	Nill

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
1) Sponsorship: Faculties are sponsored for conferences and workshops: Faculties publishing papers in various conferences are provided with sponsorship along with an 'On Duty' leave 2) Campus Security: Campus has security guards at the entrance as well as on every floor. They take care of the Laboratories and classrooms. CCTV cameras are also provided on each floor and classrooms 3) Fire Safety Compliant college campus 4) Pick and Drop Facility: UCoE has bus facility from various prominent locations like Vasai, Borivali, Thane, and Bhayander. The bus	1) Campus Security: Campus has security guards at the entrance as well as on every floor. They take care of the Laboratories and classrooms. CCTV cameras are also provided on each floor and classrooms 2) Fire Safety Compliant college campus 3) Pick and Drop Facility: UCoE has bus facility from various prominent locations like Vasai, Borivali, Thane and Bhayander. The bus facility for staff is free of cost. 4) Provident fund facility is provided to Non-teaching staff 5) Laptop issue facility to Non-teaching faculty from ICTC. 6) Gymnasium is	1) UCoE implements Government Scholarship and fee waiver scheme to eligible students. 2) Payment of fees in installments to economically weak students is allowed. 3) Pick and Drop Facility: The Institute has bus facility from various prominent locations like Vasai, Borivali, Thane, and Bhayander. 4) UCoE provides financial support for students to participate in co-curricular and extracurricular activities. 5) Financial support provided to students to carry out research projects under R D cell 6) Internship is provided to students by

facility for staff is free of cost. 5) Provident fund facility is provided to teaching staff 6) Laptop issue facility to teaching faculty from ICTC 7) Gymnasium is available for use for all staff 8) Sick room is available to take rest in case staff is not feeling well 9) Concession in fees is given to the wards of the faculty members studying in sister Institutes 10) Provision for maternity leave is available for female staff as per rules. 11) RO drinking water facility 12) Sponsorship for faculty to take admission for Part Time External Category (PEC) for Ph.D. Admission	available for use for all Non-teaching staff 7) Rest room is available to take rest in case staff not feeling well 8) Provision for maternity leave is available for female staff as per rules. 9) R O Drinking Water facility 10) College Uniform to Security and Housekeeping Staff.	every department 7) Pre Placement training is given by Training and Placement Cell 8) Entrepreneurship opportunities available in UCoE E-cell 9) State-of-the-are Separate Common Room for boys and girls. 10) Dedicated Locker is provided to every student to store their personal belongings. 11) Gymnasium and Playground is available for sports within Campus 12) Fire Safety Compliant college campus 13) Campus Security: Campus has security guards at the entrance as well as on every floor. They take care of the Laboratories and classrooms. CCTV cameras are also provided on each floor and classrooms. 14) First aid Medical kit and Rest room is available in Campus 15) R O Drinking Water facility

6.4 – Financial Management and Resource Mobilization

6.4.1 – Institution conducts internal and external financial audits regularly (with in 100 words each)

The accounts section of UCoE maintains finance and accounts. It is strictly followed with proper accounting practices by making record of each financial transaction using APPLANE and Tally ERP version 9 accounting software's. Management appoints third party duly certified Chartered Accountant for financial audit. Chartered Accountant conducts internal audit and final audit. Scholarships and free ships received for students belonging to reserved category students are audited by government regularly. The last external audit was conducted on July 6, 2019. Qualified accountant from administration department handles and maintains all financial records as per the required norms.

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

Name of the non government funding agencies /individuals	Funds/ Grnats received in Rs.	Purpose
Vidya Vikas Education Trust, Institution of Engineers (India)	659159	Different Project
View File		

6.4.3 – Total corpus fund generated

6.5 – Internal Quality Assurance System

6.5.1 – Whether Academic and Administrative Audit (AAA) has been done?

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	Yes	N. Jaysankaran	Yes	Inter Department
Administrative	Yes	N. Jaysankaran	Yes	Inter Department

6.5.2 – Activities and support from the Parent – Teacher Association (at least three)

1. Organize Industrial Visit 2. Provide Internship 3. Chief Guest for event in UCoE 4. Conduct Expert Lecture Support 1. Industrial Visit to Water tunnel project was organized with the reference of Mr. Sunil Tatekar, Executive Engineer at Powai Verawal project. 2. Parent gives reference in company for providing internship to students 3. Parents visit UCoE as Chief Guest for event. 4. Keynote speaker Mr. Prasad Ramanathan for STTP "Data Analytics with Machine Learning and Deep Learning" was organized with the help of Mr. ChandraShekhar Pitale who is working in Capgemini.

6.5.3 – Development programmes for support staff (at least three)

1. "Firefighting safety "workshop was conducted for the security staff. 2. "Pulse diagnosis camp" was organized by CSI and IEEE student chapter in association with AVP Sukrut center for health checkup. 3. Seminar on "Bio compost by using daily kitchen waste and dry waste was arranged for gardener and kitchen staff by Organic Farming team. 4. Awareness Seminar on Road Traffic and Safety was conducted by civil engineering department 5. Awareness Seminar on Work Ethics was conducted for support staff by SPEAK Club of Computer Engineering department. 6. "Yoga recreational session" by NSS was conducted for stress management.

6.5.4 – Post Accreditation initiative(s) (mention at least three)

1. Use of "Management of Information" System for Student academic record maintenance 2. SPEAK Club inauguration to conduct social activities. 3. Maintaining Activity report for all event, seminar, workshop at department level 4. Conducting Value added courses for students. 5. Recruitment of Associate professor and professor is done in UCoE. 6. Awareness is increased for participation of Faculty in FDP, STTP and Orientation program 7. Every department conducted professional and administrative training for teaching and non-teaching staff 8. UCoE has started working for NBA Accreditation prequalifies process.

6.5.5 – Internal Quality Assurance System Details

a) Submission of Data for AISHE portal	Yes
b)Participation in NIRF	No
c)ISO certification	No
d)NBA or any other quality audit	Yes

6.5.6 – Number of Quality Initiatives undertaken during the year

Year	Name of quality initiative by IQAC	Date of conducting IQAC	Duration From	Duration To	Number of participants

2018	A memorandum of understanding (MOU) for Internship with Vistaar Digital	11/07/2018	11/07/2018	10/07/2019	2
2018	A memorandum of understanding (MOU) for Internship with TFPC	12/07/2019	12/07/2018	11/07/2019	6
2018	Training Program for A to Z Python Certification	21/07/2018	21/07/2018	20/10/2018	32
2018	Smart farming Initiative under Organic Farming at UCOE	27/07/2018	27/07/2018	29/06/2019	15
2018	Induction program on FE Bridge Course	30/07/2018	30/07/2018	31/07/2018	219
2019	Indian Institute of Remote Sensing (IIRS) Outreach Program in association with Indian Space Research Organisation (ISRO)	21/01/2019	21/01/2019	13/03/2019	158
2019	Workshop for School Girls on Health and Hygiene by WDC cell at Z.P.School ,Nagla Village, Workshop for School Girls	17/01/2019	17/01/2019	17/01/2019	45

| 2019 | Pulse Diagnosis Camp in association AVP Sukrut Center,Vasai ,Pulse Diagnosis Camp by WDC and CSI | 19/01/2019 | 19/01/2019 | 19/01/2019 | 98 |
| 2019 | A memorandum of understanding (MOU) for Internship with Edu Cad | 01/02/2019 | 01/02/2019 | 31/12/2019 | 19 |

View File

CRITERION VII – INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 – Institutional Values and Social Responsibilities

7.1.1 – Gender Equity (Number of gender equity promotion programmes organized by the institution during the year)

Title of the programme	Period from	Period To	Number of Participants	
			Female	Male
Time Management for Working Women	18/06/2019	18/06/2019	9	Nill
Self Defence Camp for Female Students	13/04/2019	13/04/2019	88	2
Professional Grooming Session for Female Students	11/03/2019	11/03/2019	23	Nill
Ayurveda Pulse Diagnosis Campaign at UCoE	19/01/2019	19/01/2019	34	54
Campaign for ZP School Girl at Nagla Village	17/01/2019	17/01/2019	56	24
Cookery contest for female staff	07/01/2019	07/01/2019	8	3
IEEE-'Women in Engineering' chapter	20/10/2018	20/10/2018	27	40

inauguration				
Workshop on Fire Fighting and Security Measures for Staff	06/08/2018	06/08/2018	29	35
Session on " Responsible Parenthood and personality development of a teacher"	04/08/2018	04/08/2018	24	12

7.1.2 – Environmental Consciousness and Sustainability/Alternate Energy initiatives such as:

Percentage of power requirement of the University met by the renewable energy sources
NA

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Physical facilities	Yes	Nill
Provision for lift	Yes	Nill
Ramp/Rails	Yes	Nill
Braille Software/facilities	Yes	Nill
Rest Rooms	Yes	Nill
Scribes for examination	Yes	1
Special skill development for differently abled students	Yes	1
Any other similar facility	Yes	1

7.1.4 – Inclusion and Situatedness

Year	Number of initiatives to address locational advantages and disadva ntages	Number of initiatives taken to engage with and contribute to local community	Date	Duration	Name of initiative	Issues addressed	Number of participating students and staff
2019	1	Nill	13/02/2 019	1	Traffic Safety Seminar	Addresal to the issues of traffic and safety as sociated	96
2019	1	Nill	19/01/2 019	1	Road Safety	Awareness	25

					Awareness Drive	on Traffic Rules and Regulations	
2019	Nill	1	17/01/2019	1	Campaign for ZP School Girl at Nagla Village	Awareness on Good Touch and Bad Touch	6
2019	1	1	12/01/2019	7	NSS Residential Camp	Awareness regarding cleanliness and basic rights of villagers , Donations	24
2018	1	Nill	20/12/2018	2	Smart Washroom at 2nd floor: Automatic lights energy saver	Energy Saving	4
2018	1	Nill	03/10/2018	1	Road Safety Awareness Drive	Awareness on Traffic Rules and Regulations	90
2018	1	1	28/09/2018	7	Nagla Village adaption	Village issues (Survey for Grampachayat, Awarness on Government Scheme, Technical Support, School stationary availability	21
2018	1	1	25/09/2018	1	Beach Clean-up Drive	Cleaning of Beach after	84

| 2018 | 1 | Nill | 24/09/2018 | 1 | Road Safety Awareness Drive | Awareness on TraffcRules and Regulations | 78 |
| 2018 | 1 | Nill | 08/09/2019 | 4 | Open Pit Project | Solid waste management | 15 |

<div align="center">

[View File](#)

</div>

7.1.5 – Human Values and Professional Ethics Code of conduct (handbooks) for various stakeholders

Title	Date of publication	Follow up(max 100 words)
Students	05/04/2019	Code of Conduct is designed for students and is practiced from its publication date. It's based on Compliance with Laws, Regulations, Obligations, Professional Values, Relationships, Professional Integrity, Ethical Conduct, Drug-Free, safe and healthy Workplace and Consequences of Violation. This Code of Conduct is displayed on our college website. Committees like Student Council, Student Grievance, Anti ragging cell, internal Complaint committee, Discipline Committee etc. do monitor adherence to the Code of Conduct. The Institution organizes professional ethics programs for students at the beginning of Academic year and regularly throughout the year, especially for newly admitted students.
Staff	20/04/2019	Teaching Staff Code of Conduct is displayed on our college website and is in practice since its publication. The Committees like WDC, Teaching Grievance, Time Table, IQAC NAAC etc. do monitor adherence to the Code of Conduct and looks

			after quality assurance and enhancement. The Institution organizes professional ethics programs for all staff, in which Committee members decided by heads are announced. This program also helps all staff especially newly joined staff to understand Professional hierarchy, Ethical Conduct, healthy Workplace Laws and Regulations followed in UCoE.
Non-teaching Staff	20/04/2019		The Committees like Non Teaching Grievance, Admission, Administration, IQAC NAAC etc. do monitor adherence to the Code of Conduct designed for non-teaching staff. It is displayed on our college website. The Institution organizes professional ethics programs at the beginning of the academic year for all non teaching staff, in which various Committee members are elected informed about their roles and responsibilities also Professional hierarchy, Ethical Conduct, healthy Workplace Laws and Regulations followed in UCoE.
Administration	20/04/2019		Administration committee consists of Principal, Registrar, admin staff representatives and admin head. Code of Conduct is designed and practiced for all administrative staff members. This Code of Conduct is displayed on our college website and on admin notice board. This committee conducts meetings regularly twice in a semester for planning of

			Admission, payroll, Scholarship, accounting, Concession, documentation, execution and review. All reports notices and minutes of meetings are maintained separately. The roles of admin staffs are revised based on necessity.
Examination	18/05/2019		Examination committee monitors Code of Conduct during internal and external examinations among students, supervisors, understudy, university representatives, internal squad and support staff.. This committee is formed in the beginning of the academic year comprises of chief controller, exam controller,anti unfair means members, and senior supervisors. Meetings are conducted regularly for execution, result analysis review and exam planning like duty chart, timetable, seating and block preparation,. All reports, notices and minutes of meetings are maintained separately and circulated if required. Training sessions for all staff is arranged on ethical Conduct during exam and online/offline CAP assessment.
Admission Process	01/09/2018		Admission Committee does monitor code among students, parents, and faculty and support staff during direct and first year admissions. Committee consists of first year faculty members and one faculty member from each department. Meetings are conducted regularly for allotment, planning, execution and result analysis review. All reports, notices and

			minutes of meetings are maintained separately. Special awareness sessions for committee members are arranged on University norms parent counselling, Laws and Regulations of admission, scholarship and ethical Conduct during admission.
Student Grievance	12/04/2019		Student Grievance Cell is comprises of Principal, faculty member and student representative (General Secretary and Join General Secretary).Committee handles grievances received in written and oral form. Grievances are handled sensitively and are well documented,it helps students to secure unbiased resolution within 7 working days .Code of Conduct is designed and practiced for handling grievances, It's based on Compliance with Laws, Regulations, Obligations given by AICTE and Mumbai University.
Student Council	30/03/2019		Code of Conduct is designed for student representative elected in student council. Student Council is formed every year by selection procedure. Selection procedure is totally based on academic records of students followed by interviews. This Committee has 18 heads who look after all the activities under student council. One meeting per month, with the council head and faculty incharge, is taken to resolve any Grievances received from student Grievance cell and to decide the activities to be taken throughout the

			academic year. Yearly two meetings are arranged with Head of the Institution to resolve any unsolved issues.
Anti-Unfair	19/04/2019		Anti-unfair means committee regulate rules and laws during internal and external exam. Three senior faculty members (at least one male and one female compulsory) from college are elected in this committee to support smooth exam conduction. Committee member meets twice a semester for strategic planning, training and review. Members take two Rounds during exam and monitor rules and regulations. Malpractices observed during rounds are reported to exam cell and exam controller. All reports notices and minutes of meetings are maintained separately.
Discipline	20/04/2019		Discipline committee is formed of one member from each department, security guard head and student representative from council. This committee monitors code of conduct among students daily in college premises especially in canteen, library, classrooms and corridors. Meetings are conducted regularly for planning, execution and review. This committee also looks after entry and exit strategies and overall discipline during events. A committee member takes special round two times a day for disciple monitoring.
Anti-Ragging	11/04/2019		Anti-ragging committee in UCoE works to provide a healthy environment in the campus and thereby preventing any ragging activity in the campus

		which can be through verbal or actions or written mode meant for teasing, creating fear, annoying or actions subjecting to physical / psychological harm to fellow students, juniors or freshers. Anti-ragging committee is formed at the beginning of Academic year consisting of Principal as Secretary, faculty head, all heads of department as member and students' representatives. Committee members meet twice a semester during formation and review. Emergency meetings are called if any ragging case unfolds.
ACES	12/04/2019	ACES stands for Association of Civil Engineering Students. ACES at UCOE is a statutory body established in 2018 and incorporated by Institution of Engineers (India). It unites all Civil Engineering students of UCOE and works for enhancement of knowledge and bridging the gap between academia and Industry through expert talks, STTP's, site visits and technical competitions after a brief discussion among chairperson and members. Workshops with a lot of activities have brought in experiential learning, which means students get hands-on practice rather than learning through theory via reading.
IQAC	20/04/2019	The Institute has Internal Quality Assurance System comprising of Principal, HOD's, alumni, industry nominees, management members and

administrative officers aims to ensure continuous improvement of quality and achieve academic excellence. The meeting is being conducted twice a year. The Institution through its IQAC makes rigorous and continuous efforts to study, analyze and improvise every strategy, activity to sustain and enhance quality through regular feedback of all stakeholders. Reform policies are being suggested to the management. Few of the quality initiatives of IQAC includes STTP's, student orientation, PTI's, robotics, organic farming, VYRO (Tech Fest), etc.

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
Road Safety Awareness Drive at Pravin Patil College	19/07/2019	19/07/2019	2
Food Drug Administration Workshop on Food Hygiene Canteen Sanitation at Collector Office, Thane,	18/07/2019	18/07/2019	1
Session on Time Management for Working Women for female staff	18/06/2019	18/12/2019	9
Well Cleaning Drive in campus	01/05/2019	01/05/2019	5
Inauguration of SPEAK Club	30/03/2019	30/03/2019	68
Blood donation camp at UCoE	21/02/2019	21/02/2019	150
Cleanliness drive at Nagla Village	12/01/2019	19/01/2019	27
Ayurveda Pulse Diagnosis Campaign at UCoE	19/01/2019	19/01/2019	98

NSS residential camp at Nagla Village	12/01/2019	19/01/2019	27
Campaign for ZP School on Self Awareness	17/01/2019	17/01/2019	80

[View File](#)

7.1.7 – Initiatives taken by the institution to make the campus eco-friendly (at least five)

Green Practices ? Students, staff using a) Public Transport b) Pedestrian friendly roads inside the campus ? Plastic-free kitchen in the campus ? Paperless office work to a certain extent by using e-services ? Green landscaping with trees and plants ? Reuse and Recycling of stationary for printing, giving away shredded papers to paper vendor ? Green Audit conducted (Validity from September 2018-2021) Various steps have been taken to make the entire campus clean and green and provide an eco-friendly environment in Universal College of Engineering. Some of them are listed as follows: ? Ensuring that carbon emissions are kept lowest by motivating students and staff to use public transport. ? Plantations, lawns have been specially developed and are maintained regularly. Even though the campus is located in a metropolitan city area, the greenery in the campus is well maintained by taking good care of the plants and thus adding grace to its ambiance. The trees planted are selected on the basis of their medicinal, aesthetic and traditional importance in the Indian society. ? Environmental awareness among students is inculcated through various events and tree plantation programs both within and outside the campus. ? World Environment day and all National Festivals are celebrated by conducting these drives. This has been a regular practice since 2013. ? The Campus put all efforts to make it a plastic free campus by ensuring that all plastic waste found is disposed immediately and suitably. This initiative has been successfully implemented in the canteen. ? The campus uses paper shredding machine for disposing of papers carrying confidential data in order to avoid leakage of important information. The shredded material is then given away to the vendor for further usage. This also facilitates the recycling of used papers. ? Green Audit (Valid for 2.5 years) was carried out in A.Y. 2018-19, suggestion given are being implemented in the campus. This will result in making the campus completely a green-campus. ? The infrastructure of the building is in such a way that there is ample sunlight and air circulation. This further reduces usage of electricity especially for lighting the classrooms, laboratories, etc. Building walls are painted uniformly with white paint which also help in illuminating the classrooms and laboratories. ? The Institute is inching towards paperless office. Applane Software is used by Administration Section for students' enrollment, maintaining data and documentation of all activities related to administration of academics. The Examination Cell uses VIVA SOFTWARE in which all the examination details are stored and can easily be retrieved whenever required for applications like hall tickets, form filling and database management etc.

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

Best Practice 1 Title of the Practice: Internship and Pre-Placement Training. Objective of the Practice To update and train students with latest technical developments in the industry. To acquire the necessary skills for employment such as innovation ability, developing aptitude towards research, industry exposure and overall career development of the student. To encourage students for internships and value added training programs. Provide better employment opportunities by providing a cutting edge over other college students during

the pool campus recruitment drive. The Context The second step of experiential learning was to motivate students to take up internships and sponsored projects from industry and participates in industrial visits right from their very first year of Engineering and this training, helped in improving the perspective, by bridging the gap between Industry and academia. In addition to the Engineering profession's domain knowledge, other skills and abilities such as communication skills, leadership, innovation, team building are required to become successful in career, which are not directly covered in the curriculum. To address this challenge, Universal College of Engineering has taken an appreciable initiative in connecting with professional trainers who have designed unique courses and test series on Innovation, Employability Skills Enhancement and Career Building focusing on Self Awareness, Professional Skills, Innovation and Communication skills. Evidence of Success: ? Our Recruiter list has increased. ? More real time projects are completed. ? Associations with industry for internship has set ? Assessment of the students is carried out at the end to understand the impact of the program which is conveyed to the students individually. ? Generalized statements can be drawn on the basis of students' feedback. ? Mock interviews and group discussion sessions are conducted under this program and have resulted in positive feedback from the companies visiting the campus. Problems Encountered ? Identifying a relevant industry for a specific subject / topic. ? To make student free for the industry exposure. ? Finance problem for arranging workshops and training programs Limited time available for industrial training/internships for staff students. ? This program needs to be planned beyond the students' regular academic engagements. Hence, it becomes challenging to identify free time-slots for large groups of students. ? A separate team of faculty coordinator had to be assigned for the smooth conduct of the program. Best Practice 2 Title of the practice: Organic Farming and research to develop smart farming habits. Objective of the practice: 1. To encourage students to stay connected with nature 2. To help students to make research in the field of Agriculture and develop means of smart farming. 3. To encourage students to apply emerging technologies to help agriculture field. The Context: Universal College of Engineering has Organic Farming team which helps natural resources to make this campus green and use technology to make farming a smart field. The team is lead by Mrs. Vishakha Shelke and students of Electronics and Telecommunication Engineering. The research carried out for this noble cause is being encouraged by the college. Resources like land, compost and other consumables are also provided by the campus. Engineering technology is used in farming such as IOT based smart irrigation system, disease prediction and plant growth monitoring system. Two teams have won prizes at IIT Kanpur during the event Techkriti for these projects. The Practice Universal College of Engineering is surrounded with lot of greenery and open space. In order to apply engineering concept in agriculture and make the best use of land "Organic Farming Club" was established. Membership drive for Organic Farming Club is conducted in the beginning of the academic year. Interested students with innovative ideas are selected to enroll in this club. Activity of these club is monitored by Faculty member along with non-teaching staff member. Agricultural Industrial Visits are arranged to have insights on organic pre-processing, product sales strategies, vegetable post processing, organic pesticide and fertilizer composition etc... Team does survey of soil, water and interview neighbouring farmers to understand possible issues and find out the best solutions. Based on gathered knowledge the team decides which crop to grow, which fertilizer and pesticide to use and which innovative technique to be used for maximizing productivity. Neem leaves, mint leaves, ash and cow urine are used as green pesticides. Cultivated crops are kept for sale at canteen area. All students and staff can purchase vegetables online through "UCOE Organic Farming" Mobile App. This App is developed by Organic Farming Club. Team has used various IOT sensor-based Techniques for smart irrigation, smart pest prediction and monitoring. Also, all wet waste of college canteen is

used to produce Bio compost through Organic Pit which is designed in corner of college campus. Four different types of manures can be generated at the same time as 4 different full size pits are designed and developed eg. vermicompost , bio compost, farmyard manure etc. Organic farming does utilize this compost. Evidence of Success: ? Students participated in Project Exhibition at IIT Kanpur TechKriti Innovation for project "Hydroponics project using artificial sunlight" and " Smart Farm". ? Availability of UCOE Organic Farm App on Play Store ? Growing of Organic Vegetables for spread of good health ? Revenue generation through the sale of products. ? Collaboration with Agricultural University ? Students implemented real time project with highest social impact. ? Proper management of solid and liquid waste of canteen area for productive purpose. ? Development of interest towards Entrepreneurship in the domain of agriculture in the students of Organic Farming club. Problems Encountered: ? Type of soil in campus is of gravel ? Control of pest ? Monitoring and maintenance in parallel with curricular activities of the students Best Practice 3 Title of the practice: Tantrotsav Objective of the practice: 1. To provide students a platform to implement theoretical knowledge to solve real life problems. 2. Encourage the students to keep themselves updated with the latest art of technology 3. To help students to cater to the needs and demands of the corporate world and make them independent thinkers. 4. To make the students learn things on their own with the guidance of the experts. 5. Give students exposure to compete and come up with the best creative and innovative ideas Context: UCOE emphasizes more on practical skills and with the advantage of its location it has helped to transform campus environment through its curriculum, infrastructure, laboratories,workshops and has always tried its level best to encourage the students to get hands on experience so that they get the skills to make the transition from academic to professional environment. It has helped students to develop their confidence and meet the challenges of life. UCOE has always helped to prepare the students to be good at communications by introducing special events which will help them to interact confidently and develop a desirable personality for their future placements. Practice: The best designed event at UCOE is the "Tantrosav" where various number of events are being showcased from every department and students are exposed to new technology and innovations in the market.This college level tech fest of UCOE is thoroughly enjoyed by every student. Wholehearted student's participation and involvement makes this tech fest a big success. This event is being conducted since year 2016 in a grand way. Theme of event is based on artificial intelligent, innovative theme based mobile and web application building, Robotics, Automation, Smart City, Earth matter and Bridge designing. UCOE has advantage of having the best infrastructure based on international standards, spacious classrooms with modern amenities. UCOE has always extended full support and encouraged students to create technical projects and participate in various workshops and seminars to upgrade their knowledge and get practical experience by attending various industrial visits to different places.Such practices always helps to place maximum students in various companies. Every student of UCOE gets an opportunity to increase knowledge, develop skills and positively influence attitude which results in overall improvement in pass percentage. Events' schedule can be found at: https ://drive.google.com/file/d/0B4deUZtQNAnyQm45b2x0YnIyNW1UTjZkXzQ1bGxlU195bERZ/vi ew?uspsharing Evidence of Success: ? Winners at this event has participated and won some competitions at various IITs ? Winners at Smart India Hackathon ? Participation in various project exhibition and award function ? Built students confidence and learning through peers.

Upload details of two best practices successfully implemented by the institution as per NAAC format in your institution website, provide the link
https://universalcollegeofengineering.edu.in/best-practice/

7.3 – Institutional Distinctiveness

7.3.1 – Provide the details of the performance of the institution in one area distinctive to its vision, priority and thrust in not more than 500 words

Our college lays stress on academics and utilizing the knowledge gained, in the service of society. It also emphasis on all round development and improve their employability factor. Students are given the opportunity to showcase their talents at various national and international events of some which are mentioned below. ? Our students had participated in the SMART INDIA HACKATHON 2019, an initiative by the Central Government. Over 56 teams from across India had participated in the mega event!two teams from our college were the winners. They won first prize of INR 50,000 their solution was absorbed by industries like Samsung, HP etc. ? Entrepreneurial activities: Our student Sagar Mistry from Third Year of Computer has started "SAMMEY INC", where he develops android applications and web applications for various industries. Two more students From Final year have started their own ventures where they are handling Government projects. They also offer paid internships to our students. ? Value Added Courses: This is a step taken to prepare employment-ready students. To bridge the gap between Industry Institute,various courses are offered to the aspiring students at concessional rates. ? Robotics Club: The club with E-Yantra has motivated students to participate in many robotics competitions across India. Also to design various robotic devices for various applications. ? FE Induction: It is a bridge course that is held exclusively for newly admitted students and their parents, every year. The purpose is to introduce students to technical field from basic and to generate interest through innovative hands-ons, which smoothen their transition into the new fields of Engineering, as a professional course. It's been a pleasure to know that many parents get connected with the college through such sessions. ? E-newsletters: An initiative to keep all stakeholders updated regarding various happenings in the college. Every month, on the 10th day, a newsletter is published from every department. All e-newsletters are exclusively published on college website and are shared with various stakeholders via electronic communication only i.e. enviro friendly means of publication. ? Project based learning: Students do implement small projects right from their Second Year and exhibit their work to all sorts of visitors. Many of the projects are being absorbed by the college for departmental usage. ? Virtual Labs: In association with IIT Bombay, our college has now access to various new technologies and high end software tools via virtual labs. ? Organic farming: A team of students is also involved in organic farming within the campus. Overall idea is to tackle farmers' issues using modern technologies.Students are also involved in smart drip irrigation,Developing UCOE Organic Farm mobile App, participation in events such as TechKriti to showcase their innovative ideas.

Provide the weblink of the institution
https://universalcollegeofengineering.edu.in/institutional-distinctiveness/

8.Future Plans of Actions for Next Academic Year

Following are the plans that we are looking forward to implement: i. Establish innovation cell where students shall showcase their innovative ideas related to their domain. It also emphasized on extending a helping hand towards the nearby villages to solve their issues related to technical domain. ii. Existing Management Information System will be enhanced to maintain students' academic record also feedback system shall be made online for all stakeholders to reduce usage of papers to promote green practices. iii. Encourage SWAYAM courses for students and faculties. iv. Motivating and guiding students in applying for grants for their projects from Government and Non-Government organizations. v. Training and placement cell to introduce effective training programs to enhance

the employability skills of students. vi. Assessing the Preparedness for Accreditation programs. vii. Unnat Bharat Abhiyan (UBA) team shall visit adopted five villages and survey the villages for areas of improvement and enhance employability. viii. Training and Placement Officer to tie up with ROTARACT Club for improving NGO Activities ix. Setting up a research center for all year students, right from FE is the plan in pipe. Here carefully selected step by step courses will be provided to the deserving students. This will be helpful in bridging the gap between industry and education. Also more attention can be drawn towards research area by motivating students through such cell. x. Initiate NBA ,NIRF activity and Post accreditation initiatives to have continuous quality check and enhancement. xi. Encouraging students to take up Multi Disciplinary Research oriented Project and receive government funds and grants for same. xii. Motivate students to study abroad and give government exam to pursue a career in government associations. xiii. Improvement in students' performance in Results through frequent test series and MCQs.