



YEARLY STATUS REPORT - 2020-2021

Part A	
Data of the Institution	
1.Name of the Institution	QIS COLLEGE OF ENGINEERING AND TECHNOLOGY (AUTONOMOUS)
• Name of the Head of the institution	Dr. M. Suresh
• Designation	Principal
• Does the institution function from its own campus?	Yes
• Phone No. of the Principal	08592281023
• Alternate phone No.	9246419542
• Mobile No. (Principal)	9246419542
• Registered e-mail ID (Principal)	qiscet@hotmail.com
• Address	Vengamukkapalem
• City/Town	Ongole
• State/UT	Andhra Pradesh
• Pin Code	523272
2.Institutional status	
• Autonomous Status (Provide the date of conferment of Autonomy)	29/04/2015
• Type of Institution	Co-education
• Location	Rural

• Financial Status	Self-financing				
• Name of the IQAC Co-ordinator/Director	Dr. S. Jaya Lakshmi				
• Phone No.	08592281023				
• Mobile No:	9490323179				
• IQAC e-mail ID	iqac@qiscet.edu.in				
3.Website address (Web link of the AQAR (Previous Academic Year))	https://qiscet.edu.in/qiscet/ACAD_EMICS_calanders.php#				
4.Was the Academic Calendar prepared for that year?	Yes				
• if yes, whether it is uploaded in the Institutional website Web link:	http://qiscet.edu.in/academics/academic%20calenders/2018-19/I%20B.Tech.,%20I%20Semester.pdf				
5.Accreditation Details					
Cycle	Grade	CGPA	Year of Accreditation	Validity from	Validity to
Cycle 1	A	3.12	2017	22/02/2017	21/02/2022
6.Date of Establishment of IQAC			02/06/2014		
7.Provide the list of Special Status conferred by Central and/or State Government on the Institution/Department/Faculty/School (UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank/CPE of UGC, etc.)?					
Institution/ Department/Faculty/School	Scheme	Funding Agency	Year of Award with Duration	Amount	
EEE	AICTE - IDEA LABS	AICTE	17/06/2021	10228000	
8.Provide details regarding the composition of the IQAC:					
• Upload the latest notification regarding the composition of the IQAC by the HEI	View File				
9.No. of IQAC meetings held during the year	4				

<ul style="list-style-type: none"> Were the minutes of IQAC meeting(s) and compliance to the decisions taken uploaded on the institutional website? 	<p>Yes</p>	
<ul style="list-style-type: none"> If No, please upload the minutes of the meeting(s) and Action Taken Report 	<p>No File Uploaded</p>	
<p>10. Did IQAC receive funding from any funding agency to support its activities during the year?</p>	<p>No</p>	
<ul style="list-style-type: none"> If yes, mention the amount 		
<p>11. Significant contributions made by IQAC during the current year (maximum five bullets)</p>		
<p>Conducted Faculty Development Program's in emerging areas of all disciplines</p>		
<p>Conducted skill trained programmes for the students in emerging areas such as Embedded Systems, IoT, Robotics etc</p>		
<p>ICT tools are used effectively in data and technology transfer</p>		
<p>Interactive session for faculty in designing course files is conducted</p>		
<p>A workshop on "Pedagogy" on innovative teaching learning practices</p>		
<p>12. Plan of action chalked out by IQAC at the beginning of the academic year towards quality enhancement and the outcome achieved by the end of the academic year:</p>		
Empty space for plan of action and outcome		

Plan of Action	Achievements/Outcomes
Establishment of centres of excellence for skill development in collaboration APSSDC in all emerging areas of engineering	Establishment of COE (centres of excellence) for VLSI and Embedded System. COE (centres of excellence) of Design and Prototyping.
Motivated students to participate in activities for acquisition of new knowledge and skill in order to bring out a significant improvement in their career.	Student exhibited their talent and acquired the position of university Innovation fellows by interacting with global teams across the globe and attained an opportunity to attend a one-week workshop organized by google and Stanford University, California, USA. Student attained the position of Gaming Developer in KAMK University, Finland.
Placement training programmes and add on courses through digital platforms in collaboration with Talentio, GUVI, Globarena etc. and various workshops conducted by eminent personalities.	Achieved better and increased placements.
Collection and analysis of feedback from all stake holders on quality related institutional processes.	Skill courses are introduced in R18 regulation to augment the skill levels of the students in various emerging fields of engineering.
13. Was the AQAR placed before the statutory body?	Yes
<ul style="list-style-type: none"> Name of the statutory body 	
Name of the statutory body	Date of meeting(s)
ACM/GC	08/03/2022
14. Was the institutional data submitted to AISHE ?	Yes

<ul style="list-style-type: none"> Year 	
Year	Date of Submission
01/01/2020	01/02/2020
Extended Profile	
1.Programme	
1.1 Number of programmes offered during the year:	19
2.Student	
2.1 Total number of students during the year:	5934
2.2 Number of outgoing / final year students during the year:	1610
File Description	Documents
Institutional Data in Prescribed Format	View File
2.3 Number of students who appeared for the examinations conducted by the institution during the year:	5903
File Description	Documents
Institutional Data in Prescribed Format	View File
3.Academic	
3.1 Number of courses in all programmes during the year:	20
File Description	Documents
Institutional Data in Prescribed Format	View File

3.2	408
Number of full-time teachers during the year:	
File Description	Documents
Institutional Data in Prescribed Format	View File
3.3	408
Number of sanctioned posts for the year:	
4.Institution	
4.1	611
Number of seats earmarked for reserved categories as per GOI/State Government during the year:	
4.2	121
Total number of Classrooms and Seminar halls	
4.3	1631
Total number of computers on campus for academic purposes	
4.4	2703
Total expenditure, excluding salary, during the year (INR in Lakhs):	
Part B	
CURRICULAR ASPECTS	
1.1 - Curriculum Design and Development	
1.1.1 - Curricula developed and implemented have relevance to the local, national, regional and global developmental needs which are reflected in Programme Outcomes (POs), Programme Specific Outcomes (PSOs) and Course Outcomes (COs) of the various Programmes offered by the Institution.	
<p>QIS College of Engineering and Technology has attained Autonomous status in the year 2015 by the UGC. Since 2015 Onwards institution got autonomy to design its own curriculum aiming to provide Skill based, Product based & Process-based Courses dynamically in line with the guidelines according to the Global priorities, vision and mission of the programs and Institution.</p>	
<p>Elements for Curriculum Design</p>	

In R15 regulation, Skill and Choice based Curriculum was introduced to all the Programs at both UG and PG levels by considering the elements of various Sources like Existing JNTUK Curriculum, Various Indian Universities Curriculum, Feedback from Industry Experts and Council Members, Recommendations from Experts from R&D, Competitive Exams like GATE etc., and feedback from various Stake holders to meet the Global, National and Local needs as per the requirement at the time by following all the Guidelines issued by AICTE and UGC & JNTUK.

In R18 regulation, the revision of Curriculum was done by considering the various Stake holders Feedback by observing the global and local needs of the Society to improve the employability of the students by considering the standard AICTE, UGC and JNTUK guidelines. It focuses on improving the student abilities towards skill and product design.

In R20 regulation, the Curriculum has been revised to meet the new era of Technologies to ensure the required realm of Knowledge, Skill and Vantage Point. Product and Process based Curriculum has also been implemented by considering the following elements to improve the Employability and Entrepreneurship by considering the standard APSCHE,AICTE,UGC and JNTUK guidelines.

All the above regulations were revised in addition to the following elements also

- Vision and Mission of the Institute
- Existing Curriculum of State/National/International Universities
- Advancements in Science and Technology.
- Feedback from Industry experts to identify Industrial Needs
- Recommendations from the R&D Experts
- Identifying Global/National/Regional and Local Needs for Societal Development
- Interdisciplinary Learning
- Competitive Exams like GATE, PSU...
- Recommendations from various board members

The interdisciplinary Courses with Choice based learning system enables students to involve in all programs to put theory into practice for addressing the challenges in terms of Field Projects.

Outcome Based Education and Choice Based Credit System is strongly implemented in the curriculum Design to improve the quality of Academics .The strong teaching-learning process adopted for the

designed curriculum to meet the local/national/regional/global development needs with the learning objectives of Program Outcomes, Program Specific Outcomes and Course Outcomes of all the courses.

Program Outcomes (POs) and Program Specific Outcomes (PSOs) are taken into consideration to define the Course Outcomes (COs) for the Courses in the curriculum. The graduate attributes has been adopted as program outcomes, Program specific outcomes for UG and PG programmes. The Courses have been framed to ensure the attainment of domain specific knowledge and skills in line with the course outcomes.

The Curriculum has been blended with fundamental concepts of basic sciences, Professional Core Courses, Professional Elective Courses and Open Elective Courses, that enables students to understand and apply them to solve problems in field of engineering and help them to develop life skills and learning of interdisciplinary approach for domain specific applications. Laboratory experiments enables the students to convert the various theoretical concepts to practical applications.

Field Projects, Mini Projects, Internships and Project works enables the students to integrate their knowledge to solve the community based problems.

Value added Courses, Co-Curricular and Extra-curricular activities help in holistic development of the students towards problem solving, reasoning, critical thinking, and creative thinking, communication, and leadership skills

File Description	Documents
Upload additional information, if any	View File
Link for additional information	https://qiscet.edu.in/qiscet/DEPARTMENTS_ce.php

1.1.2 - Number of Programmes where syllabus revision was carried out during the year

100

File Description	Documents
Minutes of relevant Academic Council/BOS meeting	View File
Details of syllabus revision during the year	View File
Any additional information	View File

1.1.3 - Number of courses focusing on employability/entrepreneurship/ skill development offered by the Institution during the year

860

File Description	Documents
Curriculum / Syllabus of such courses	View File
Minutes of the Boards of Studies/ Academic Council meetings with approval for these courses	View File
MoUs with relevant organizations for these courses, if any	View File
Any additional information	View File

1.2 - Academic Flexibility

1.2.1 - Number of new courses introduced across all programmes offered during the year

245

File Description	Documents
Minutes of relevant Academic Council/BoS meetings	View File
Any additional information	View File
Institutional data in prescribed format (Data Template)	View File

1.2.2 - Number of Programmes offered through Choice Based Credit System (CBCS)/Elective Course System

100

File Description	Documents
Minutes of relevant Academic Council/BoS meetings	View File
Any additional information	View File
List of Add on /Certificate programs (Data Template)	View File

1.3 - Curriculum Enrichment

1.3.1 - Institution integrates cross-cutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability, and Human Values into the curriculum

The department included the various life skill courses in the curriculum for the development of the students. Various courses included in the curriculum namely professional ethics and human values, universal Human Values, Constitution of India, and Essence of Indian tradition knowledge, Environmental Studies have been introduced as the mandatory courses to address issues as Gender equality, Sustainability, Human values and ethics.

Non-Conventional Energy sources and Environmental Pollution, Renewable energy technology, Industrial waste management, Energy Conversation Management, Disaster Management... etc. courses are offered as open electives.

Environment and Sustainability

Environmental Science is an interdisciplinary course, offered as a mandatory course for the UG-Computer Science & Engineering programme. The course includes awareness about environmental problems, imparting basic knowledge about the environment, study of natural resources, to ensure that societal development and the use of water, land and air resources are sustainable.

Professional Ethics and Human Values

To inculcate Moral, Social, Ethical values, the department has included two courses on Human values and Professional Ethics (PEMV and PEHV) as credit courses during 2nd and 3rd semesters of UG-CSE Programme. These courses help the students to understand the moral values that ought to guide the Engineering profession, to resolve the moral issues in the profession, and justify the moral judgment concerning the profession. The department also conducted the awareness programmes on Anticorruption, Antidrug, COVID-19, Woman Disha app, Woman empowerment to promote national integrity, Human

Values, Social Harmony.**Open Elective Courses**

"Disaster Management" is offered as an open elective course to Promoting a culture of prevention, preparedness and resilience at all levels through knowledge, innovation and education. Encouraging mitigation measures based on technology, traditional wisdom and environmental sustainability.

"Non-Conventional Energy Sources & Environmental Pollution" is offered as to enhance students' knowledge in how to protect and improve environment by different methods and techniques.

"Renewable Energy technology" course is offered to advance economic development, improve energy security, improve access to energy, and mitigate climate change.

File Description	Documents
Upload the list and description of the courses which address issues related to Gender, Environment and Sustainability, Human Values and Professional Ethics in the curriculum	View File
Any additional information	View File

1.3.2 - Number of value-added courses for imparting transferable and life skills offered during the year**63**

File Description	Documents
List of value-added courses	View File
Brochure or any other document relating to value-added courses	View File
Any additional information	View File

1.3.3 - Number of students enrolled in the courses under 1.3.2 above**8516**

File Description	Documents
List of students enrolled	View File
Any additional information	View File

1.3.4 - Number of students undertaking field work/projects/ internships / student projects**3771**

File Description	Documents
List of programmes and number of students undertaking field projects / internships / student projects	View File
Any additional information	View File

1.4 - Feedback System

1.4.1 - Structured feedback and review of the syllabus (semester-wise / year-wise) is obtained from 1) Students 2) Teachers 3) Employers and 4) Alumni

A. All 4 of the above

File Description	Documents
Provide the URL for stakeholders' feedback report	https://qiscet.edu.in/qiscet/feedbacks.php
Upload the Action Taken Report of the feedback as recorded by the Governing Council / Syndicate / Board of Management	View File
Any additional information	View File

1.4.2 - The feedback system of the Institution comprises the following

A. Feedback collected, analysed and action taken made available on the website

File Description	Documents
Provide URL for stakeholders' feedback report	https://qiscet.edu.in/qiscet/feedbacks.php
Any additional information	View File

TEACHING-LEARNING AND EVALUATION

2.1 - Student Enrollment and Profile**2.1.1 - Enrolment of Students****2.1.1.1 - Number of students admitted (year-wise) during the year**

1610

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

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

611

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

2.2 - Catering to Student Diversity

2.2.1 - The institution assesses students' learning levels and organises special programmes for both slow and advanced learners.

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

Special Programs for Slow learners:

QIS College of Engineering adopts outcome based learning education which involves identification of slow and advanced learners based on their performance in class interaction, and slow learners are identified based on first mid examination performance who secured less than 50% of marks. Post identification of slow learners, QISCET emphasis on conducting remedial classes beyond the regular working hours. Slow learners are supervised by senior teachers. The college has independent system for student mentoring and support. A group of 15 students were assigned to a faculty mentor (counsellor).

The counselors continuously monitor the progress of their allotted students regarding their attendance, result analysis, student

activities, student medical record, parent discussions, punctuality, home assignment, sessional assignment, internal assessment, sports, Student discipline and research activities.

Class teachers meeting is conducted regularly and identify the irregular students, if student's attendance is poor, class teachers contact their parents and asked them to meet class teacher and HOD. Class teacher and HOD counsel the students in the presence of parents, and tell the parents about the importance of regularity of the class work, their children's academic record, what steps to be taken to complete the course in due time.

If any student is absent for mid examination, counselor asks the reason, if it is not reasonable, then that student has to submit undertaking form for not repeat in future and counsel by the counselor, class teacher and HOD.

Learning Management System (LMS) is available and academic mentoring takes place using ICT tools, enabling 24x7 learning platform. Students access to get information on course, syllabus, learning materials, co-curricular learning information, homework, and question & answer instructions, teaching calendar, exam schedule and teacher contact information which is uploaded by faculty members. Group email ids are created by faculty members and students to facilitate online mentoring.

In the name of Backlog Reduction Program, the students who got backlogs are provided with special classes during with library hours where faculty spends time to sit them individually and clarifies doubts. They are also instructed to attend those classes without fail. The activities of slow and advanced learners are planned in session activity register where all the sessions are planned.

Special Programs for Advanced learners:

Mentor-mentee program will ensure performance analysis of student and provide counselling them in the presence of Head of Department, which helps in identifying other skills and strengths such as ability to score in GRE and GATE and other competitive examinations and hence the scope of identifying them as an advanced learner. Students with high leadership qualities are nominated as class representatives. They are also given opportunity to act as coordinators for various events in department level as well as at

institute level.

B.Tech Honours Degree Program

Advanced learners are given opportunity to take the B.Tech. (Honours) degree program with 20 credits from the 4th semester onwards. This is to give an opportunity for the fast learners to earn additional credits either in the same domain or in a related domain, making them more proficient in their chosen field of discipline or be a graduate with multidisciplinary knowledge and job ready skills.

B.Tech Minor Degree Program

Minor degree program is also offered to advanced learners, the objective is to provide additional learning opportunities to academically motivated students who are desirous of pursuing their special interest areas other than the chosen discipline of Engineering may opt for additional courses in minor specialization groups offered by a department other than their parent department.

Opportunities at National level participation

Advanced learners are also given an opportunity to be office bearers of student council and various professional bodies and lead professional activities at University and National Levels. This initiative teaches them to strike a perfect balance between academics and extra & co-curricular activities which goes a long way in achieving success in their professional career.

They are given the opportunity to participate in Hackathons, Paper Presentations, Project Competitions and participate in Summer Projects and Internships and APSSDC programs covering cutting edge technologies. They also help slow learners through peer learning. Highly potential students are encouraged to involve in product development centres and encouraged to publish patents.

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

2.2.2 - Student – Teacher (full-time) ratio

Year	Number of Students	Number of Teachers
01/04/2021	5934	408

File Description	Documents
Upload any additional information	View File

2.3 - Teaching- Learning Process

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

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

QIS College of Engineering believes in the adoption of students centric methods to enhance student involvement as a part of experiential learning, participative learning and problem solving methodology.

Specifically the students centric methodology include

1. Experiential Learning

Projects works:

It is mandatory to carry the project work in two phases as mini project and major project once they step into the final year. And structure is framed so as to improve the innovative ideas in students and project assistance is given by allotting project guides.

Internship or Field Projects in industry:

Two summer internships each with a minimum of six weeks duration done at the end of second and third years respectively are mandatory. The internship can be done by the students at local industries, govt. organizations, construction agencies and industries etc..

Participation in competition at various level

For Real time exposure students are encouraged to participated at National and International Level

Field Visits

Faculty in the organization identifies and propose academically significant Field visits and they are encouraged to participate

Industrial Visits

It is mandatory for departments to plan and organise the industrial visits for students to provide exposure to industrial work culture.

Guest Lecture

Guest lecture by eminent experts from industry and academics from NITs, IITs, and Universities are called to supplement the teaching process and hence provides experiential learning.

2. Participated Learning

Role play

Teachers adopt role play method especially in management and PG Technical courses to supplement Teaching by way of participative learning

Team work

All Departments organize student's activities to promote the spirit of Team work. The activities and Camp of NSS, institutional social responsibility through Red Cross, Village Adoption, Tree plantation. Swatch Bharat and Health awareness camp to help the students to learn Art of living in a team for Social and community welfare.

Debates

Debates are followed in many of the subjects where students are

required to come with different opinions, thought processes thus the learning process gets justified in the argue-mental way of learning.

Group work

Practicals and workshops in all individual and group work under the guidance of teachers are also conducted.

3. Problem solving Methodology

Case studies

Case study method is adopted in teaching learning process to make the students have logical thinking and practical knowledge to develop problem solving ability. This is commonly adopted in management programmes.

Analysis and Reasoning

The questions framed based on blooms taxonomy in mid and external examinations to improve analytical and reasoning skills in students

Discussion

QISCET follows the discussions methods in many of the subjects as it makes the students to think wide and participate in coming up with the opinions & suggestions to check their current knowledge.

Quizzes

Quizzes are conducted by subject teachers in all UG and PG programmes and encourage to participate in other institutions also.

Research Activities

Under student clubs research activities are conducted in each Department under the guidance of senior faculty where the students of different semester get knowledge about emerging area and help them to promote in Research aptitude.

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

2.3.2 - Teachers use ICT-enabled tools including online resources for effective teaching and learning

2.3.2 Teachers use ICT enabled tools including online resources for effective teaching and learning process

The student and QISCET utilizes ICT enabled facilities for effective learning despite traditional learning.

ICT enabled online resources for effective learning process

1. The campus is enabled with IEEE e-resource learning subscription of more than 205 journals.
2. The campus is enabled with DELNET e-resource learning subscription.
3. The campus is enabled with Science Direct (Elsevier) Online Journals of more than 275 number
4. The campus is enabled with OPAC (Online Public Access Catalog) where they can access e-journals of 273 number and e books of 2063, project reports and video cassettes.
5. The online learning environments are created such as NPTEL, Coursera, Udemy etc. to train students in open problem-solving activity.
6. QISCET enables with QISCET e-learning portal <http://el.qiscet.edu.in/login/index.php> as learning management system (LMS) where it is connected to MOODLE platform. Also google classroom as LMS platforms where they are provided with calendar of events, sessions planned by faculty, study material and daily assessments.
7. A separate video library with multimedia facility is provided for students where they can access IEEE, DELNET and Science direct online journals.
8. The campus and hostel is provided with internet

120 MBPS speed from INRI communication pvt. Ltd. & 10MBPS from BSNL & 100 MBPS from APFIBER net

1. Simulation software's such as VHDL, MATLAB, MULTISIM, REVITS, ORCAD, etc are available at their respective departments for analysis and design of circuits of equipment.

For effective delivery teaching ICT tools in the classroom for better understanding are used by faculty members. For effective teaching methodologies, the faculty are trained at various national level empowerment programs/Faculty development programs such as

Mission 10X organized by WIPRO, and Indo Universal Collaboration for Engineering Education(IUCEE) to improve the quality and global relevance of teaching.

ICT enabled online resources for effective teaching process

1. All classrooms are equipped with LCD Projectors.
2. At departmental levels Printer with scanners are available
3. Every auditorium is digitally equipped with mike, projector, computer system and audio system.
4. Media lab facility is used to create video lectures and upload in appropriate platforms for students to use as extra learning resources.
5. As a part of LMS, Google classroom is effectively used to manage and post course related information- learning material, quizzes, lab submissions and evaluations, assignments, etc.
6. Virtual labs are used to conduct labs through simulations where self-evaluation, assignment and quizzes can be taken.
7. Online drawing tools like digital drawing graphics pen are used to for effective teaching performance.
8. The PPTs are presented with animations and simulations are done to improve the effectiveness of the teaching- learning process.
9. Lab manuals are mailed to students well in advance the experiment is performed.
10. Online quizzes and polls are regularly conducted to record the feedback of the students.
11. To teach mathematical subjects in online mode, teachers have used various online tools like- whiteboard in Microsoft teams, Jamboard in Google meet, etc.

File Description	Documents
Provide link for webpage describing ICT enabled tools including online resources for effective teaching and learning process	Nil
Upload any additional information	View File

2.3.3 - Ratio of students to mentor for academic and other related issues

2.3.3.1 - Number of mentors

324

File Description	Documents
Upload year-wise number of students enrolled and full-time teachers on roll	View File
Circulars with regard to assigning mentors to mentees	View File

2.3.4 - Preparation and adherence to Academic Calendar and Teaching Plans by the institution**2.3.4 Preparation and adherence of Academic Calendar and Teaching plans by the institution****Academic Calendar Preparation and Adherence**

QIS College of Engineering and Technology develops the academic calendar every year in advance and gets approved from QICCET college academic council. Exam dates, seminars, conferences, guest lectures, workshops, and industrial visits are all covered by the academic calendar including holidays, vacation dates, and festivals. The total effective working days available in a semester are listed in the academic calendar. All departmental time table incharges are thereby instructed to prepare the time tables of the concerned sections based on the working available days. However, the working days will satisfy the credits to be satisfied by the curriculum. As a result, the academic calendar keeps track of how well the curriculum is delivered. Academic calendars are also displayed in display boards and college website as well.

Teaching Plans

Heads of the departments conduct meeting with their respective faculty well in-advance of commencement of the semester course work, and allocate subjects as per the choice and experience of the faculty members. A unit-wise teaching plan of the course content, spread over the allotted lecture hours, is prepared to ensure a uniform pace of teaching. Course-coverage is monitored by the concerned HOD once in a fortnight and deviations if any, are clarified with the concerned faculty and special class work is planned.

Faculty member (s) prepares a 'Lecture schedule' for every theory

subject which is duly approved by the Head of the department. This schedule is placed in the course file at the beginning of the semester. The number of hours in the teaching plan is framed depending on the credits of the course and made available to the students. Effective implementation of the lesson and lecture schedules is monitored by the Head of the Department as well as academic auditors. Also, at the beginning of the academic year, every Programme coordinator prepares the calendar of academic events like Workshops, Conferences, Visiting faculty lectures, Industrial visits etc. and submits for academic audit.

The academic plan is structured in accordance with the needs of Outcome Based Education prescribed by National Board of Accreditation (NBA). The contents of the plan include:

- Prerequisite of the subject
- Syllabus copy approved by Department BOS
- Faculty, course and session details
- Course plan including course description, assessment,
- Vision and Mission of Department
- PEOs and Mapping of PEOs with Mission
- POs and PSOs and Mapping of COs with POs and PSOs
- Course objectives and outcomes
- Session time tables and individual time tables
- Web link to e-contents including video lecturers
- Resource library and resource laboratory
- Plan of action for student development training

The copies of the same are maintained in the department and also in the Academic section. The web link for the teaching plan is available at www.qiscet.edu.in. Adherence to the academic plan is followed by the faculty and details are recorded in the Attendance and Evaluation Records hosted on the academic activity portal of the institute. Academic Audit Cell will audit the Academic plans of each faculty and the audit reports are submitted to the Heads of the departments for necessary follow up action.

File Description	Documents
Upload the Academic Calendar and Teaching Plans during the year	View File

2.4 - Teacher Profile and Quality**2.4.1 - Number of full-time teachers against sanctioned posts during the year****408**

File Description	Documents
Year-wise full-time teachers and sanctioned posts for the year	View File
List of the faculty members authenticated by the Head of HEI	View File
Any additional information	No File Uploaded

2.4.2 - Number of full-time teachers with PhD/ D.M. / M.Ch. / D.N.B Super-Specialty / DSc / DLitt during the year**97**

File Description	Documents
List of number of full-time teachers with PhD./ D.M. / M.Ch. / D.N.B Super-Specialty / D.Sc. / D.Litt. and number of full-time teachers for 5 years	View File
Any additional information	No File Uploaded

2.4.3 - Total teaching experience of full-time teachers in the same institution: (Full-time teachers' total teaching experience in the current institution)**1888**

File Description	Documents
List of teachers including their PAN, designation, Department and details of their experience	View File
Any additional information	No File Uploaded

2.5 - Evaluation Process and Reforms**2.5.1 - Number of days from the date of last semester-end/ year- end examination till the declaration of results during the year**

File Description	Documents
List of Programmes and the date of last semester-end / year-end examinations and the date of declaration of result	View File
Any additional information	View File

2.5.2 - Number of students' complaints/grievances against evaluation against the total number who appeared in the examinations during the year

13

File Description	Documents
Upload the number of complaints and total number of students who appeared for exams during the year	View File
Upload any additional information	View File

2.5.3 - IT integration and reforms in the examination procedures and processes including Continuous Internal Assessment (CIA) have brought in considerable improvement in the Examination Management System (EMS) of the Institution

2.5.3 IT integration and reforms in the examination procedures and processes including Continuous Internal Assessment (CIA) have brought in considerable improvement in Examination Management System (EMS) of the Institution

Processes Integrating IT

Examination Management System (EMS) service available to integrate all the activities in the

Examination branch. The pre and post examination activities are integrated, starting with

Examination notification.

Preparing database of eligible candidates, preprinted bar-coded OMR answer booklets, OMR award lists etc to post-examination tasks up to declaration and issue of marks memos, the college has been involving electronic processes.

The internal marks obtained by the students are posted on ECAP and the hard copies of

Award lists are submitted to the exam branch for further scrutiny, record and storage. The students can access their internal & external performance through ECAP.

Continuous Internal Evaluation

The reforms in all the activities of the examination system are at par with AICTE Examination Reform Policy.

The reforms in examination system of Indian engineering education have been incorporated into our examination system and they include OBE- frame work for assessment process, evaluation of higher order abilities and professional skills in different forms like MOOCs, internship experience and project works, Bloom's taxonomy for assessment design etc.

Four sets of question papers maintained for each subject for maintaining confidentiality in question paper selection.

The moderation of question paper done by internal Examiner to check coverage of the syllabus and course outcomes.

Preparation of detailed scheme of evaluation by internal faculty for uniformity in the evaluation by different evaluators and fair judgment.

Appointment of Observers & squad consisting of senior faculty members for fair conduction of internal & external Examinations

Auditing of internal & external question papers & evaluation by external members for improvement

Establishment of CCTV surveillance system for continuous monitoring of various activities in examinations cell.

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

2.6 - Student Performance and Learning Outcomes

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

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

In strict compliance with the objectives of Outcome Based Education (OBE), the Program Outcomes (POs), Program Specific Outcomes (PSOs) and Course Outcomes (COs) are framed by the various department offering the concerned program after rigorous consultation with all faculty and the stakeholders. After attainment of consensus, the same are widely propagated and publicized through various means such as display and/or communication specified here under.

- Website
- Curriculum /regulations books
- Class rooms
- Department Notice Boards
- Laboratories
- Student Induction Programs
- Meetings/ Interactions with employers
- Parent meet
- Faculty meetings
- Alumni meetings
- Professional Body meetings
- Library

While addressing the students, the HODs create awareness on POs, PSOs and COs. The faculty members, class teachers, mentors, course coordinators, program coordinators also inform the students and create awareness and emphasize the need to attain the outcomes.

Program specific outcomes (PSOs) are the specific skill requirements and accomplishments to be fulfilled by the students at micro level and by the end of the program. The programme coordinators prepare the PSOs, usually two to four in number, in consultation with course

coordinators. The BOS, including Head of the Department and subject experts, of the individual departments will discuss the same and approve it after endorsement by the Principal.

Program Outcomes (POs) are broad statements that describe the professional accomplishments which the program aims at, and these are to be attained by the students by the time they complete the program. POs incorporate many areas of inter-related knowledge, skills and personality traits that are to be acquired by the students during their graduation.

Course outcomes (COs) are direct statements that describe the essential and enduring disciplinary knowledge, abilities that students should possess and the depth of learning that is expected upon completion of a course. They are clearly specified and communicated. The Course Outcomes are prepared by the course coordinator in consultation with concerned faculty members teaching the same course. The Module coordinator will verify it. Finally, they are discussed in the concerned department's BOS meeting course-wise and approved.

The POs/PSOs of the programme are published through electronic media at individual Department site located on the college website <https://qiscet.edu.in/qiscet/>. The COs of the courses are also published through electronic media at the Department site located on the college website: <https://qiscet.edu.in/qiscet/>. In all the interactions with the students, awareness on POs, PSOs and COs is consciously promoted.

File Description	Documents
Upload COs for all courses (exemplars from the Glossary)	View File
Upload any additional information	No File Uploaded
Link for additional Information	Nil

2.6.2 - Attainment of Programme Outcomes and Course Outcomes as evaluated by the institution

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

Course calculation Method:

Each course has a defined set of course outcomes and corresponding evaluation criteria. The course outcomes are mapped to the program outcomes which are used to provide the quantitative measurement of how well the program outcomes are achieved. The performance of the students in the examinations during the semester in each course is used to compute the level of attainment of the POs and PSOs through the mapping of questions to COs and COs to POs and PSOs. CO-PO & PSO mapping for all the courses in the program is prepared by the program coordinator in consultation with other faculty members.

CO Attainment

Assessment methods include direct and indirect methods. The process of course outcome assessment by direct method is based on mid examinations, semester end examination and quiz. Each question in mid/semester end/assignment/quiz is tagged to the corresponding CO and the overall attainment of that CO is based on average mark set as target for final attainment.

1. Mid Examinations are conducted twice a semester and each of them covers the evaluation of all the relevant COs attainment.
2. Semester End Examination is descriptive, and a metric for assessing whether all the COs are attained.

The indirect assessment is done through the course end survey.

Rubrics

Rubrics are formulated for the assessment of Laboratory, Mini Project, Major Project, Seminar and Internship courses. The attainment of Course Outcomes of all courses with respect to set attainment levels are given under.

% of CO attainment

$\geq 80\%$

$\geq 70\% \ \&\lt; \ 80\%$

$\leq 60\%$

CO attainment level

3

2

1

The attainment of each CO is computed by setting the class average mark as the target. The COs of each course are mapped to POs & PSOs with weightages of 3 (Strong), 2 (Medium) and 1 (Weak). The value obtained for CO attainment is multiplied by 1 for strong, 0.8 for medium and 0.6 for low correlation with the PO.

Assessment of Course outcomes of Lab courses

The course outcomes of a practical course should satisfy at least any one or more of the defined program outcomes. These describe what students are able to demonstrate in terms of knowledge, skills, and values upon completion of the said course. Percentage of students who score more than 80% marks in each measured criterion is taken for calculating CO attainment.

Attainment of Program Outcomes and Program Specific Outcomes

All the courses which contribute to the PO are identified and these courses are evaluated through the Course Outcomes using direct (Internal (20% weightage) and External exam (80% weightage) and indirect (Course end survey) assessments. The overall results from the assessments of the PO are compared with the expected attainment. The PO is considered satisfied on attainment of the expected level.

For each course, the level of attainment of each CO is compared with the predefined targets, and if not attained, the course coordinator takes necessary steps for improvement. If the target criterion level is not reached, then faculty suggest for improvement to attain the same.

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

2.6.3 - Pass Percentage of students

2.6.3.1 - Total number of final year students who passed in the examinations conducted by Institution

1215

File Description	Documents
Upload list of Programmes and number of students appear for and passed in the final year examinations	View File
Upload any additional information	View File
Paste link for the annual report	Nil

2.7 - Student Satisfaction Survey

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

<https://qiscet.edu.in/qiscet/criterion2/2.7.1.pdf>

RESEARCH, INNOVATIONS AND EXTENSION

3.1 - Promotion of Research and Facilities

3.1.1 - The institution's research facilities are frequently updated and there is a well-defined policy for promotion of research which is uploaded on the institutional website and implemented

RESEARCH AND DEVELOPMENT POLICY

INTRODUCTION

QISCET is committed to achieving international recognition through interdepartmental and inter-institutional collaborative research programmes in all domains of Science, Engineering, and Technology. QIS shall ensure that research in all sectors, including trans-disciplinary and multidisciplinary types, expands exponentially while maintaining ethical norms and research standards.

OBJECTIVE OF THE POLICY

The policy's primary goal is to encourage our faculty members to do high-quality research, consulting, and other research-related activities.

SCOPE OF THE POLICY

- To create an enabling environment within campus in order to foster a research culture as well as provide required support

through research framework and guidelines.

- To ensure high level of efficient and effective support system to facilitate faculty and researchers in their research activities.
- Ensure publications in quality journals, indexed in Scopus/Web of Science and/or with impact factor.
- To nurture an environment of undertaking socially useful research with potential for commercialization.
- Establish Research Centers within campus with potential for Excellence.
- Forge interdisciplinary collaborations and partnerships nationally and globally.

RESEARCH PUBLICATIONS

If a research paper is published based on his/her work in printed form or online form in a reputed /refereed international journal as recommended by the IRB of our institution, the authors will receive the following benefits:

- Financial support for the open access fee is open to all the faculty members of our institution.

Our Institution shall pay a maximum of 50% of open access fee or up to a maximum of Rs. 10,000/- per publication whichever is less. This is

- applicable for journals with Impact factor (IF > 1.5).
- The first author shall be the faculty from our institution, followed by the remaining authors.
- On receiving acceptance from the journal office, the faculty shall submit the application with the supporting documents to the Principal through Dean-Research for obtaining the financial support.
- Once the article is published, the copy of the published article in full and payment receipt should be submitted to the Dean-Research & Innovation.

BOOK PUBLICATIONS

The faculty members are encouraged to publish books and book chapters with reputed publishers such as Springer, Elsevier, Wiley, CRC Press etc., For those who are publishing the books and book chapters at National and International publishers, credit points and cash incentives will be provided as per the policy described in

QISCET/R&D/POLICY/V2.0 dated 22.02.2019

RESEARCH GRANTS

The faculty members are motivated to submit the research proposals to various funding agencies. The proposals will be scrutinized by a team of experts before submission. Based on the recommendations received from the experts, the proposal will be uploaded by the concerned faculty. Those who submit and receive funding from external bodies, the credit points and incentives will be provided as per the policy described in QISCET/R&D/POLICY/V2.0 dated 22.02.2019

PATENTS

The faculty members and students are motivated to submit their innovative ideas to IRB for evaluation. Based on the evaluation report, the ideas are forwarded to patent office in prescribed format for publishing and granting. Those patents which get published and granted will receive the credit points and incentives will be provided as per the policy described in QISCET/R&D/POLICY/V2.0 dated 22.02.2019

RESEARCH PAPERS AT NATIONAL & INTERNATIONAL CONFERENCES

The faculty members and students of all the departments are encouraged to submit their research articles and participate in national and international conferences of repute (IEEE / Springer / Elsevier / IoP Science / EAI etc.,). For those who are presenting their papers as a first author, OD will be provided for the day of presentation. TA & DA can be reimbursed on submitting the required bills. For the faculty presenting a research paper in International Conference held in abroad, the Institute shall pay 50% of the registration fee, as recommended by IRB, provided the conference is hosted by a reputed institution. TA & DA has to be borne by the faculty. In this case, the faculty members are allowed to apply for acquiring International Travel Grant Support. The credit points and incentives will be provided as per the policy described in QISCET/R&D/POLICY/V2.0 dated 22.02.2019

SEED MONEY FOR FACULTY MEMBERS

SEED money will be given to faculty members who have submitted project proposals to IRB. All proposals received would be evaluated by the Scrutiny Committee headed by Principal. The application may be approved / rejected based on the evaluation report submitted by

the team of experts. The maximum time period for completing the project is one year from the date of sanction. Hence no manpower would be supported in the Grant.

CONSULTANCY PROJECTS

If there is a substantial contribution by the faculty member and the staff in the consultancy project and no resources of the institution (like laboratory, computer, software etc. utilized), the members involved in the consultancy project will take 60% of the total value of the consultancy amount received and 40% will go to the college. If the resource of the college such as laboratory facilities, computing facilities, drafting and other facilities are utilized in the consultancy project, the share of the college will be 60% of the total consultancy amount received and 40% will go to the faculty and other staff involved in the consultancy work.

TRAINING PROGRAMMES

Faculty members of our institution are encouraged to participate in STTP / Workshops / SDP / FDPs. Faculty members attending such programs shall plan their alterations so that the academic schedule of the students remains undisturbed. Faculty pursuing PhD are also encouraged to attend training programs organized by reputed institutions. Faculty attending such programs shall be eligible for TA and DA for the duration of the training program.

PAYMENT OF INCENTIVE

At the end of every semester of the academic year, based upon the evidence produced and recommendations of IRB, the incentive will be paid to the faculty members.

File Description	Documents
Upload the Minutes of the Governing Council/ Syndicate/Board of Management related to research promotion policy adoption	View File
Provide URL of policy document on promotion of research uploaded on the website	https://qiscet.edu.in/qiscet/criterion3/3.1.1
Any additional information	View File

3.1.2 - The institution provides seed money to its teachers for research**3.1.2.1 - Seed money provided by the institution to its teachers for research during the year (INR in lakhs)****24.08**

File Description	Documents
Minutes of the relevant bodies of the institution regarding seed money	View File
Budget and expenditure statements signed by the Finance Officer indicating seed money provided and utilized	View File
List of teachers receiving grant and details of grant received	View File
Any additional information	View File

3.1.3 - Number of teachers who were awarded national / international fellowship(s) for advanced studies/research during the year**4**

File Description	Documents
e-copies of the award letters of the teachers	View File
List of teachers and details of their international fellowship(s)	View File
Any additional information	View File

3.2 - Resource Mobilization for Research**3.2.1 - Grants received from Government and Non-Governmental agencies for research projects, endowments, Chairs during the year (INR in Lakhs)****102.28**

File Description	Documents
e-copies of the grant award letters for research projects sponsored by non-governmental agencies/organizations	View File
List of projects and grant details	View File
Any additional information	View File

3.2.2 - Number of teachers having research projects during the year

2

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	www.aicte-india.org
List of research projects during the year	View File

3.2.3 - Number of teachers recognised as research guides

9

File Description	Documents
Upload copies of the letter of the university recognizing teachers as research guides	View File
Institutional data in Prescribed format	View File

3.2.4 - Number of departments having research projects funded by Government and Non-Government agencies during the year

11

File Description	Documents
Supporting document from Funding Agencies	View File
Paste link to funding agencies' website	www.aicte-india.org
Any additional information	View File

3.3 - Innovation Ecosystem

3.3.1 - Institution has created an ecosystem for innovations and creation and transfer of knowledge supported by dedicated centres for research, entrepreneurship, community orientation, incubation, etc.

The institution has a thriving innovation, entrepreneurship, incubation, and startup ecosystem. The innovation ecosystem is working to foster a culture of creation and knowledge transfer among students.

Entrepreneurship Development Cell:

EDC (Entrepreneurship Development Cell) at QISCET was established with a vision to bridge the gap between Industry and Academia. The cell undertakes several activities for student development wherein the student gets corporate exposure while studying and develops a spirit of entrepreneurship. This enables student capability enhancement as well as their alignment with Industry. This way the EDC at one stroke creates a win-win model for students as well as Industry. Entrepreneurship development cell bridges the gap between ideas to the market product. Entrepreneurship development cell has taken a greater responsibility to generate the entrepreneurship skills among the students and to help them to channelize their goals to become a versatile entrepreneur. Moreover, we also give exposure of industrial sector to curious young minds to get perfect idea of market need and requirements. EDC Supports businesses and innovators as they develop, launch, and commercialize their ideas and motivate the students to bring out their latent spirit of Entrepreneurship. Besides the above, EDC strives to narrow the gap between industry expectations and student capabilities.

Intellectual Property Cell:

With the advent of the WTO agreement on intellectual property rights in the previous 10-15 years, intellectual property rights have been a major topic of discussion. Patents, copy rights, trade marks, design registration, plant variety, trade secrets, and geographical indicators are all examples of intellectual property rights. In our country, both business and academic organisations contribute to research and innovation. We need to create a supportive environment where we can impart knowledge of Patents, Copyrights, Geographical Indications, and other IPRs to our young generation so they can be equipped to create innovations and protect their Intellectual Property Rights, including their innovation and creativity, in today's era where intellectual property rights are globally enforceable. In QISCET, the IPR Cell is established in the year of

2020 and gives a fundamental understanding of geographical indications, intellectual property rights, patent principles, and the method for filing patents at both the national and international levels. It also provides guidance to researchers on trademarks, copyrights, and brand names, among other things. It also provides a venue for local innovators, such as faculty members, students, and research scholars, to exchange and discuss the newest developments and applications with practical experience.

Product Development Cell:

The Product Development Division (PDD) of QISCET is divided into five engineering sections and twenty respective sub-sections. PDD identifies and fills research/product development gaps between academia and industry in various core fields. PDD is a platform for students and staff to learn about product development skills and research-based programmes by considering the fast growing and advanced technologies. Here, by following Industry 4.0 and 5.0 standards, low-cost, industry-oriented innovative products will be produced to address societal challenges. It recognises PDD community needs and, by inviting industry and academic experts, offers the appropriate training. It teaches PDD communities about legal and non-legal rights at each level of the product development life cycle. In order to meet the needs of industry and society, cognitive intelligence and an agile approach are used in the development of numerous products. It expands its involvement in product commercialization. PDD's results include the extraction of several research articles, patents, awards, research grants and participation in various prestigious contests and hackathons, etc. Furthermore, it entails the production of course materials in order to improve the student's/staff's practical knowledge.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://qiscet.edu.in/qiscet/criterion3/3.3.1

3.3.2 - Number of workshops/seminars conducted on Research Methodology, Intellectual Property Rights (IPR), Entrepreneurship and Skill Development during the year

File Description	Documents
Report of the events	View File
List of workshops/seminars conducted during the year	View File
Any additional information	View File

3.4 - Research Publications and Awards

3.4.1 - The Institution ensures implementation of its Code of Ethics for Research uploaded in the website through the following: Research Advisory Committee Ethics Committee Inclusion of Research Ethics in the research methodology course work Plagiarism check through authenticated software

A. All of the above

File Description	Documents
Code of Ethics for Research, Research Advisory Committee and Ethics Committee constitution and list of members of these committees, software used for plagiarism check	View File
Any additional information	View File

3.4.2 - Number of PhD candidates registered per teacher (as per the data given with regard to recognized PhD guides/ supervisors provided in Metric No. 3.2.3) during the year

3.4.2.1 - Number of PhD students registered during the year

5

File Description	Documents
URL to the research page on HEI website	https://www.jntuk.edu.in/
List of PhD scholars and details like name of the guide, title of thesis, and year of registration	View File
Any additional information	View File

3.4.3 - Number of research papers per teacher in CARE Journals notified on UGC website during the year

91

File Description	Documents
List of research papers by title, author, department, and year of publication	View File
Any additional information	View File

3.4.4 - Number of books and chapters in edited volumes / books published per teacher during the year

11

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://qiscet.edu.in/qiscet/criterion3/3.4.4

3.4.5 - Bibliometrics of the publications during the year based on average Citation Index in Scopus/ Web of Science/PubMed

3.4.5.1 - Total number of Citations in Scopus during the year

29

File Description	Documents
Any additional information	View File
Bibliometrics of the publications during the year	View File

3.4.6 - Bibliometrics of the publications during the year based on Scopus/ Web of Science – h-Index of the University

3.4.6.1 - h-index of Scopus during the year

13

File Description	Documents
Bibliometrics of publications based on Scopus/ Web of Science - h-index of the Institution	View File
Any additional information	View File

3.5 - Consultancy**3.5.1 - Revenue generated from consultancy and corporate training during the year (INR in lakhs)****200.865**

File Description	Documents
Audited statements of accounts indicating the revenue generated through consultancy and corporate training	View File
List of consultants and revenue generated by them	View File
Any additional information	No File Uploaded

3.5.2 - Total amount spent on developing facilities, training teachers and clerical/project staff for undertaking consultancy during the year**27550**

File Description	Documents
Audited statements of accounts indicating the expenditure incurred on developing facilities and training teachers and staff for undertaking consultancy	View File
List of training programmes, teachers and staff trained for undertaking consultancy	View File
List of facilities and staff available for undertaking consultancy	View File
Any additional information	No File Uploaded

3.6 - Extension Activities**3.6.1 - Extension activities carried out in the neighbourhood sensitising students to social issues for their holistic development, and the impact thereof during the year**

The NSS Unit (90214807) was established in the year 2011 with the moto of serve the need serve the nation and to involve the more number of students in Community Services. Two new NSS Units (90214815, 90214816) were also established in the year Dec-2019. The QIS community interactive cell expanded its services in local and in

association with Red Cross Ongole, DATRI- Stem Cell Donor Registry- Chennai, NYK-Praksam, Youth Affairs STEP-Praksam, LIONS CLUB-Praksam.

The NSS & Community fundraised and donated for flood affected areas, orphan homes and old age people. Also, it saved the lives of Blood needy people by arranging blood donation camps in collaboration with RIMS-Praksam, RED Cross Prkasam, LIONS Praksam. DATRI NGO (Stem Cell Donor Registry) registered 1967 students as voluntary potential donors out of which 41 Students were match and got an opportunity in saving blood disorder patients. We adopted villages under Unnath bhrath Abhiyan and conducted various activities like surveying of village, awareness on sanitation, waste management, and rain water harvesting techniques. NSS units Adopted Villages and conducted Special Camps. Medical Camps Rallys and awareness on AIDS, Communicable Diseases. Students involved in Digital Literacy to Share their knowledge to rural Areas. NSS Volunteers in Association with Red Cross and Fire Safety conducted Disaster management programs at coastal areas. Volunteers' students involved in Road safety and traffic awareness activities. In Collaboration with STEP-Praksam, Women empowerment and women safety rallies, Integration Camps, Student Youth Exchange, YUVA mahothsav conducted.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://qiscet.edu.in/qiscet/criterion3/3.6.1_2020-21_supporting_documents.pdf

3.6.2 - Number of awards and recognition received by the Institution, its teachers and students for extension activities from Government / Government-recognised bodies during the year

25

File Description	Documents
Number of awards for extension activities in during the year	View File
e-copy of the award letters	View File
Any additional information	View File

3.6.3 - Number of extension and outreach programmes conducted by the institution through NSS/NCC/Red Cross/YRC, etc. during the year (including Government-initiated programmes such as Swachh Bharat, AIDS Awareness, and Gender Sensitization and those organised in

collaboration with industry, community and NGOs)**19**

File Description	Documents
Reports of the events organized	View File
Any additional information	View File

3.6.4 - Number of students participating in extension activities listed in 3.6.3 during the year**1268**

File Description	Documents
Reports of the events	View File
Any additional information	View File

3.7 - Collaboration**3.7.1 - Number of collaborative activities during the year for research/ faculty exchange/ student exchange/ internship/ on-the-job training/ project work****18**

File Description	Documents
Copies of documents highlighting collaboration	View File
Any additional information	View File

3.7.2 - Number of functional MoUs with institutions of national and/or international importance, other universities, industries, corporate houses, etc. during the year (only functional MoUs with ongoing activities to be considered)**34**

File Description	Documents
e-copies of the MoUs with institution/ industry/ corporate house	View File
Details of functional MoUs with institutions of national, international importance, other institutions etc. during the year	View File
Any additional information	View File

INFRASTRUCTURE AND LEARNING RESOURCES

4.1 - Physical Facilities

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

QIS College of Engineering & Technology, is located just 7 Km away from the city of Ongole, Prakasam district being the first autonomous college, with a history of highest placements.

The institute has excellent and well-maintained infrastructure sprawling over 29.8 acres of serene lush green land which includes exquisitely designed infrastructure providing impeccable teaching, learning and research environment.

The institute has well equipped decently ventilated, spacious classrooms and purpose-built labs and learning areas, with a blend of conventional and contemporary modes of teaching, cafes, recreational areas, libraries and much more. The Institute has 78 Classrooms, 73 Laboratories, 4 Seminar halls, 16 Tutorial rooms, 18 PG classrooms, 2 well equipped board/ conference rooms, 5 drawing halls, a central library and a central computing lab etc.

Class Rooms

Classrooms are according to the norms of AICTE for proper range of vision and audibility. The classrooms are furnished with adequate furniture, blackboard, projectors, fans, lights. 90% of the classrooms are provided with LCD projectors, LAN/Wi-Fi connectivity.

Laboratories

The Institution has state of art laboratory facilities suiting to the requirements of industry and research. All the laboratories are established as per the norms of AICTE as well as the affiliating university Jawaharlal Nehru Technological University, Kakinada (JNTUK). Each department has their individual computer labs for conducting programming & simulation experiments to enhance the interests & skills of the students. Safety measures have been established and at strategic locations in the laboratories. An establishment of another 10 labs is taken up for the upcoming year, with elegant appearance, updated facilities including LAN/ Wi-fi/

Computers, digital boards etc. to educate the students to meet the growing global needs.

Seminar Halls

The institute has seminar halls to conduct conferences, seminars, workshops and guest lectures by renowned speakers for students and faculty. Each hall is built fulfilling AICTE norms in dimensions, with Wi-Fi connectivity and air conditioning, adequate seating capacity, LCD projectors, whiteboards, raised platforms and public addressing system with internet facility. The College ensures efficient maintenance of all infrastructural facilities. Most of the department technical events are conducted in the seminar halls.

Tutorial Rooms

Each department has sufficient number of tutorial classrooms to conduct tutorial classes. The rooms are furnished with adequate infrastructure providing a conducive environment for student learning.

Other Departments

There are separate sections for Examination cell, Accounts Section and Placement cells.

Library

Institute Library provides Book Lending and Book bank facility. In addition to the privilege of borrowing library books, students are provided with reference books

Transport

The institution provides transport facilities by a fleet of college buses. It has separate hostels for boys and girls with a variety of services and amenities to help them get the most of college life. Regular supervision by hostel Wardens, maintenance of hygienic conditions, safety, medical check-ups are just some of the other facilities procured in our college.

Medical Center

A health care centre provides first aid facilities and ambulance is available round the clock to meet any emergency. Canteen facilities are also provided for students & staff.

Apart from regular curricular labs, the Institution has set up a number of labs and more than 20 centres of excellence in alliance with many reputed industries for competency and skill enhancement in modern technologies. Also, QIS College of Engineering and Technology has been recognised as a research centre for the departments of CSE, ECE, EEE and ME.

The Institution has quite a number of Product Development Centres

- Power Electronic Devices Development
- Power Electric Devices Development
- Control System Devices Development
- Power Systems Automation & Management
- Electronic Devices Development
- Analog Communication Devices Development
- Digital Communication Devices Development
- Embedded Systems & Devices Development
- Data Science & Analytical Products Development
- Software Applications & Products Development
- Network Infrastructure Development & Management
- Building Infrastructure Products Development
- Water Resource Infrastructure Products Development
- Civil Infrastructure Management
- Civil Infrastructure Automation
- Refrigeration & Air Conditioning Products Development
- Engine Technologies Products Development
- Boiler Products Development
- Industrial Automation & Robotics Products Development
- Manufacturing Products Development

The Institution has quite a number of industry supported labs

- National Instrumentations lab
- Embedded Systems lab
- Industrial & Home Automation Lab
- 3D Experience Lab

- ARC Lab
- Thermo Electricity Applications
- INTEL Intelligent Systems Lab
- CISCO Networking Lab
- Idea Lab
- Incubation Centre

Skill laboratories include

- Centre for Data and Data Science
- Centre for application Development
- Centre for Networking Infrastructure
- Centre for Geo Spatial Engineering
- Centre for Transportation Engineering
- Centre for Structural Engineering
- Centre for Parts and Products Development
- Centre for Thermo Electric Systems
- Centre for bio fuels
- Centre for Refrigeration and Air Conditioning
- Centre for Industrial & Home Automation

Centre for Embedded Systems Applications

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

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

QISCET understands and accentuates the significance of sports and games for students through sports, students can develop both physically as well as mentally and acquire design thinking apart from the regular curricular activities, the Institution has well equipped games and sports department headed by a proficient physical director Mr Venkat Rao for catering to the holistic development of the student.

The sports include both outdoor and indoor games. The outdoor facilities of the Institute covers a vast play area of 4.67 acres for playground and indoor area is 3600 sqft, allotted for gymnasium

as well as for other indoor games for boys and girls. Students are encouraged and trained to play various indoor and outdoor games and sports and also participate in competitions. Diverse sports such as Volley ball, Throw ball, Kabaddi, Tennikoit, Kho-Kho are also available in the campus for which proper training and participation is looked into. The Institution conducts tournaments in various games, sports and coaching camps to develop friendliness and sportsmanship and inculcating team spirit.

QISCET conducts games for students as well as the faculty, on various occasions like QIS Fest, International Women's Day, Department days, and any other special events in the college and present the participants with participation certificates. The College has spacious playgrounds and well-equipped gymnasiums for both boys and girls separately. The Institute encourages the students to take part in Inter-collegiate, District and Inter University Tournaments. As a part of motivating the students to participate in different sport the college provides Track suits and kits to college team players.

Students who play for the National and Zonal levels are acknowledged with mementoes for their participation and performance in the particular sport. The Institution also provides Travel Allowance (TA), Dearness Allowance (DA) and coaching camp refreshment allowance for all tournaments for the players who represent the college team as well as the coaches. The Institution has 3 volleyball courts, 2 basketball courts, 1 kabaddi field, 2 Throw ball courts, 1 Tennikoit field, 1 Kho-Kho ground, and 1 football field.

File Description	Documents
Geotagged pictures	View File
Upload any additional information	View File
Paste link for additional information	https://qiscet.edu.in/qiscet/FACILITIES_physical_education.php

4.1.3 - Number of classrooms and seminar halls with ICT-enabled facilities

106

File Description	Documents
Upload any additional information	View File
Upload Number of classrooms and seminar halls with ICT enabled facilities (Data Template)	View File

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

558.1

File Description	Documents
Upload audited utilization statements	View File
Details of Expenditure, excluding salary, during the years	View File
Any additional information	No File Uploaded

4.2 - Library as a Learning Resource

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

Name of the ILMS software: ECAP (Engineering Colleges Automation Package)

Nature of automation (fully or partially)-Fully

Version Year of automation: Version 5.0

Year: 2015

The Institute has a large collection (52084) of books as well as audio-visual material. The library is automated with ECAP software 5.0 version and the collection of library books can be browsed locally and remotely. Users can browse their holdings and other details using credentials from anywhere locally and remotely

Digital Library:

The Institute has a digital library with 35 systems. It has a collection of e-journals from IEEE-ASPP, ASCE, and ASME. The digital library is available at locally and remotely. Access to e-books from DELNET IP based within campus.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://qiscet.edu.in/qiscet/criterion4/4.2.1_ECAP_Software_Bills.pdf

4.2.2 - Institution has access to the following: e-journals e-ShodhSindhu Shodhganga Membership e-books Databases Remote access to e-resources

A. Any 4 or more of the above

File Description	Documents
Details of subscriptions like e-journals, e-books, e-ShodhSindhu, Shodhganga membership	View File
Upload any additional information	View File

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

64.72

File Description	Documents
Audited statements of accounts	View File
Any additional information	No File Uploaded
Details of annual expenditure for purchase of books/e-books and journals/e-journals during the year (Data Template)	View File

4.2.4 - Usage of library by teachers and students (footfalls and login data for online access)

4.2.4.1 - Number of teachers and students using the library per day during the year

549

File Description	Documents
Upload details of library usage by teachers and students	View File
Any additional information	View File

4.3 - IT Infrastructure

4.3.1 - Institution has an IT policy covering Wi-Fi, cyber security, etc. and has allocated budget for updating its IT facilities

QIS College of Engineering and Technology provides a large range of IT amenities and services with a state-of-the-art networking environment to support all students and staff for their learning, research, teaching, and administration. The IT infrastructure of the college is maintained by skilled professionals. The main aim of the system is to facilitate powerful hardware and software facilities and networking support for impregnable maintenance of all the activities in the College like Academics, Administration, Examinations and Research related activities.

The institute has services like powerful central servers that are well maintained in domain structure, Campus Management System, domain email system, Internet security system, anti-virus software and Network services. The Centre is headed by an expertise in the field of information and networking and well supported by a professional team of Network and System Administrators and also software developers

Implementation of Wireless and wired LAN helps the faculty and students to connect easily to the campus network within campus from their personal device. With this connectivity, all blocks of the college, laboratories, seminar halls etc and all the places in departments and administration have excellent Wi-Fi connection and CCTV/Video surveillance.

To protect the network and data from potential attack, the Institute has Bit Defender antivirus server incorporated along with a Kerio Firewall. The Security System runs round the clock and provides network services to cater to the needs of the IT system of the Institution. Software and hardware are upgraded periodically as when

a demand for the same arrives. Turnitin licensed software has been purchased by the institution for Internet-based plagiarism detection. Another four servers are also maintained in the institution for Domain, DHCP, Media Telecasting, Biometric and CCTV surveillance.

The old network bandwidth of 155 Mbps has been upgraded with 220 Mbps and is being utilized efficiently for both academic and research needs. The institute network control centre has been upgraded with Kerio Firewall. In addition to this, a minimum of 500 computers has the access to internet at any point of time, 1558 computers are having networking connection, 80 Wi-Fi access points are available all over the campus & 100 plus switches are also available. All labs are connected to Central server room via Fibre optic cable.

The entire institute is under 24-hour surveillance by 200 plus CC cameras. The campus is completely enabled with Wi-Fi. The Institute provides facilities of video conferencing through Zoom sessions to conduct different Seminars/workshops/FDPs through online mode.

It also provides services by systematizing and extending hardware & networking support to all the academic departments, examination branch, administration office, Central library, hostels, and other central facilities. The department is a whole and sole hub of support for all the IT related activities like designing, procurement, installing, interfacing, troubleshoot and maintenance of IT devices and peripherals. The department also developed, configured and established necessary software for different office and examination activities with a perspective to enhance productivity, cut down on cost, increase lucidity and provide support for online activities, site hosting, online learning, online examinations, etc.

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

4.3.2 - Student - Computer ratio

Number of Students	Number of Computers
4503	1631
File Description	Documents
Upload any additional information	View File
4.3.3 - Bandwidth of internet connection in the Institution and the number of students on campus	A. 750 Mbps
File Description	Documents
Details of bandwidth available in the Institution	View File
Upload any additional information	View File
4.3.4 - Institution has facilities for e-content development: Facilities available for e-content development Media Centre Audio-Visual Centre Lecture Capturing System (LCS) Mixing equipments and software for editing	A. All four of the above
File Description	Documents
Upload any additional information	View File
Paste link for additional information	Nil
List of facilities for e-content development (Data Template)	View File
4.4 - Maintenance of Campus Infrastructure	
4.4.1 - Expenditure incurred on maintenance of physical and academic support facilities, excluding salary component, during the year (INR in lakhs)	
2703	

File Description	Documents
Audited statements of accounts	View File
Upload any additional information	View File

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

The institute has an elaborate system of maintenance of its physical, academic and support facilities like laboratory, library, sports, computers, classrooms etc. As a part of the system, the institution has an infrastructure head and is allocated with an infrastructure coordinator in each department to maintain, supervise and report any problems related, to look upon the maintenance of overall infrastructure facilities which include civil works such as furniture repairs, masonry and plastering works, painting, carpentry, plumbing and housekeeping. There is a team of workers under the supervision of a Campus Clean and Green Head, to look after the maintenance of rest rooms, approach roads and cleanliness of the entire college premises. Housekeeping services are thoroughly implemented and kept track of. The overall maintenance of infrastructure is done consistently with the help of professional and skilled technical and administrative staff. The Institution also hires requisite number of in-house staff to diligently maintain hygiene and cleanliness in the campus so as to provide a hygienic and pleasant learning environment. The HODs report, recurrently on the requirements of maintenance and repairs of the particular department to the concerned Infrastructure Head. These requirements are processed during every semester breaks so as to keep things set up for the smooth running of the upcoming academic year/semester.

Classrooms: The Classrooms, Seminar halls, Departmental office, Staff rooms, Administrative office are routinely cleaned and maintained hygienically. The concerned staff is appointed for the purpose who are assigned to a particular location to ensure cleanliness of the location. A supervisor sees that the job is executed in a proper way.

Dustbins are placed in almost all the rooms in the campus. The Greenery of the campus is appropriately looked after by full time gardeners. The campus has access to Wi-Fi facilities. As a preventive measure from any accident all the blocks are connected with fire hydrant system. Fire extinguishers are also kept as a safety measure. Periodical checking is carried out to ensure the

safety and security of the students.

Laboratories: All the laboratories are well established as per the norms of AICTE and JNTUK, decently equipped and maintained to conduct laboratory courses. Based on the curriculum and strength of the class the number of equipment and infrastructure is maintained in the laboratories.

Based on the need and the list of experiments done in the respective domain, the equipment is augmented on a continual basis.

The equipment in the laboratory is maintained well and calibrated time to time to provide accurate results. The labs are ICT enabled in order to facilitate the smooth conduction of experiments. The lab classes are conducted regularly. A few unutilized lab slots per week are allotted for regular maintenance works in the laboratories. The equipment in the laboratory and workshop are maintained by qualified technical staff. All laboratories have a power backup system (UPS) and standby power generators. Above all, the point of utmost importance is, the safety of the student and staff in the institution. Hence every lab is provided with the safety equipment and student/staff are educated with necessary instructions to observe safety in the laboratories.

IT Infrastructure: Trained and experienced staff lab assistants maintain the college IT Infrastructure effectively and efficiently in the supervision of the system administrator. The IT infrastructure includes around 1600 computers hardware and peripherals, number of safety and security equipment like CC cameras and other accessories. There are fair number of system and application software available in the college. The system administrator ensures the validity of the software and also maintain them.

Library: The Library is headed by a qualified Librarian and supported by library staff who ensures smooth and efficient running of the activities of the library. Any issues relating to the library is dealt efficient by the Head. The feedback from the students and faculty is taken by placing a suggestion box in the library. The feedback helps in introducing new ideas to develop the library further to serve the needs of the users. Before taking the exams, it is a must that the students provide "no dues" to ensure return of books time to time. A log book is maintained separately for the students and staff and as well as visitors on a daily basis.

Electrical Works and Maintenance: The IT and electrical services

such as solar power panels and institutional lighting and electrical transformer, UPS backup, Generator, Air Conditioners, CCTV cameras, Water Purifiers etc are well maintained by a team of substantial in-house electricians and plumbers.

Sports facilities: The college indoor and outdoor games are being supervised and maintained by well qualified staff appointed for the purpose. The facilities are well maintained and supervised by the Director Physical Education. They also participate in administrative activities like campus discipline during their leisure hours.

Transport: The transport department and logistics are handled by an efficient and experienced technician in charge who effectively manages the transport department without any lapses. All the drivers are professionally trained and licensed and maintain punctuality. The transport in charge schedules the bus routes and timings of pickup and drop and maintain the flow of transport in an able and efficient manner to ensure safety of all the commuters.

Ambulance Service: The health and well-being of the students and faculty is of prime importance to the management. For which purpose the Institution is having a dedicated ambulance to cater to the students in case of any emergency. The College also has a dispensary and also MOU with a nearby hospital which monitors the health and well-being of staff and students. Regular health camps are conducted by the Institution for both the students.

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

STUDENT SUPPORT AND PROGRESSION

5.1 - Student Support

5.1.1 - Number of students benefitted by scholarships and freeships provided by the Government during the year

2951

File Description	Documents
Upload self-attested letters with the list of students receiving scholarships	View File
Upload any additional information	No File Uploaded

5.1.2 - Number of students benefitted by scholarships and freeships provided by the institution and non-government agencies during the year

1527

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

5.1.3 - The following Capacity Development and Skill Enhancement activities are organised for improving students' capabilities Soft Skills Language and Communication Skills Life Skills (Yoga, Physical fitness, Health and Hygiene) Awareness of Trends in Technology

A. All of the above

File Description	Documents
Link to Institutional website	https://qiscet.edu.in/qiscet/criterion5/5.1.3_proof.pdf
Details of capability development and schemes	View File
Any additional information	No File Uploaded

5.1.4 - Number of students benefitted from guidance/coaching for competitive examinations and career counselling offered by the institution during the year

5985

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

5.1.5 - The institution adopts the following mechanism for redressal of students' grievances, including sexual harassment and ragging: Implementation of guidelines of statutory/regulatory bodies Creating awareness and implementation of policies with zero tolerance Mechanism for submission of online/offline students' grievances Timely redressal of grievances through appropriate committees

A. All of the above

File Description	Documents
Minutes of the meetings of students' grievance redressal committee, prevention of sexual harassment committee and Anti-ragging committee	View File
Details of student grievances including sexual harassment and ragging cases	View File
Upload any additional information	View File

5.2 - Student Progression

5.2.1 - Number of outgoing students who got placement during the year

839

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

5.2.2 - Number of outgoing students progressing to higher education

1

File Description	Documents
Upload supporting data for students/alumni	View File
Details of students who went for higher education	View File
Any additional information	View File

5.2.3 - Number of students qualifying in state/ national/ international level examinations during the year

5.2.3.1 - Number of students who qualified in state/ national/ international examinations (e.g.: IIT-JAM/NET/SET/JRF/ GATE /GMAT /CAT/ GRE/ TOEFL/Civil Services/State government examinations) during the year

2

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

5.3 - Student Participation and Activities

5.3.1 - Number of awards/medals for outstanding performance in sports and/or cultural activities at inter-university / state /national / international events (award for a team event should be counted as one) during the year

3

File Description	Documents
e-copies of award letters and certificates	View File
Any additional information	No File Uploaded

5.3.2 - Presence of an active Student Council and representation of students in academic and administrative bodies/committees of the institution

One of the most important components of Institution's vision and mission is to develop the various skills of our students. In QISCET, there opportunities are provided through various committees and club activities. The details of various important academic and administrative committees that have student representatives' roles

are Anti-Ragging committee, Class Review Committee, Hostel Committee, Canteen Committee, Sports & Cultural committee: Community Services committee, Alumni Committee, Internal Quality Assurance Cell, Women Development Cell Committee etc.

- In Anti ragging committee, the student members along with staff member will prevent ragging in college campus, college hostels and outside by addressing the senior students related to ragging and its consequences, displaying the details of punishment in all notice boards, Vulnerable spots such as Canteen, Corridors of 1st Year classes, Library, Office, Hostels, Buses, Department Classes & Labs etc.
- Class Review Committee: The student members are included in class review committee to assist the faculty in monitoring the class so that the students, in every way, maintain the highest standards in academic performance, behaviour, conduct and discipline.
- Hostel Committee: The student members of this committee help the hostel authorities in developing the annual hostel plan and manual, preparing annual hotel budget for approval, developing hostel rules and regulations and guide lines for conducting orientation programmes, developing supporting plan for academic activities, developing monitoring and control mechanism for hostel plan.
- Canteen Committee: The student members collect inputs from peers along with staff members continuously monitors the hygiene, quality and quantity of the food.
- Sports & Cultural committee: Two students from each department are the members of this committee to promote sports activities to promote physical fitness and it will identify various cultural implications which have positive effect in their academic and professional arena, planning cultural events for the academic year, Preparation and submission of the Annual Budget for various cultural events, Scheduling the cultural events (Preparing annual cultural calendar). Monitoring conduction of the scheduled events in coordination with various departments, Collecting and analysing feedback from stakeholders to improve the quality of events.
- Community Services committee: The student members of this committee will identify the villages to be adopted for providing community services, Planning for conducting surveys to identify various types of community service for the development of adopted villages, Preparation of road map for rendering community service, Preparation and submission of the Annual Budget for various community services, Collecting and analysing feedback from stakeholders to improve the quality of

service, Auditing the community services rendered at various adopted villages, Rendering community services through NSS, student voluntary organization of community services.

- **Alumni Committee:** The students' alumni meetings are a regular feature of acknowledges the alumni contributions to the college in terms of establishing alumni awards to the students in academic excellence, which are given away during annual day. Their contributions in the form of guest lectures, and referrals through strong networking are considered to be an appreciable wealth of the college.
- **Internal Quality Assurance Cell (IQAC):** A Student nominee in the cell to ensure quality initiatives of academic and administrative performance of the institution.
- **Women Development Cell Committee:** The girl student members of the cell ensure to create awareness on equal opportunity for women.

Library Committee: The student members of this committee ensure to have necessary library resources and also create good learning atmosphere in the library.

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

5.3.3 - Number of sports and cultural events / competitions organised by the institution

4

File Description	Documents
Report of the event	View File
List of sports and cultural events / competitions organised per year	No File Uploaded
Upload any additional information	No File Uploaded

5.4 - Alumni Engagement

5.4.1 - The Alumni Association and its Chapters (registered and functional) contribute significantly to the development of the institution through financial and other support services

One of the most important components of Institution's vision and mission is to develop the various skills of our students. In QISCET, there opportunities are provided through various committees and club activities. The details of various important academic and administrative committees that have student representatives' roles are Anti-Ragging committee, Class Review Committee, Hostel Committee, Canteen Committee, Sports Cultural committee: Community Services committee, Alumni Committee, Internal Quality Assurance Cell, Women Development Cell Committee etc. • In Anti ragging committee, the student members along with staff member will prevent ragging in college campus, college hostels and outside by addressing the senior students related to ragging and its consequences, displaying the details of punishment in all notice boards, Vulnerable spots such as Canteen, Corridors of 1st Year classes, Library, Office, Hostels, Buses, Department Classes Labs etc. • Class Review Committee: The student members are included in class review committee to assist the faculty in monitoring the class so that the students, in every way, maintain the highest standards in academic performance, behaviour, conduct and discipline. • Hostel Committee: The student members of this committee help the hostel authorities in developing the annual hostel plan and manual, preparing annual hotel budget for approval, developing hostel rules and regulations and guide lines for conducting orientation programmes, developing supporting plan for academic activities, developing monitoring and control mechanism for hostel plan. • Canteen Committee: The student members collect inputs from peers along with staff members continuously monitors the hygiene, quality and quantity of the food. • Sports Cultural committee: Two students from each department are the members of this committee to promote sports activities to promote physical fitness and it will identify various cultural implications which have positive effect in their academic and professional arena, planning cultural events for the academic year, Preparation and submission of the Annual Budget for various cultural events, Scheduling the cultural events (Preparing annual cultural calendar). Monitoring conduction of the scheduled events in coordination with various departments, Collecting and analysing feedback from stakeholders to improve the quality of events. • Community Services committee: The student members of this committee will identify the villages to be adopted for providing community services, Planning for conducting surveys to identify various types of community service for the development of adopted villages, Preparation of road map for rendering community service, Preparation and submission of the Annual Budget for various community services, Collecting and analysing feedback from stakeholders to improve the quality of service, Auditing the

community services rendered at various adopted villages, Rendering community services through NSS, student voluntary organization of community services. • Alumni Committee: The students' alumni meetings are a regular feature of acknowledges the alumni contributions to the college in terms of establishing alumni awards to the students in academic excellence, which are given away during annual day. Their contributions in the form of guest lectures, and referrals through strong networking are considered to be an appreciable wealth of the college. • Internal Quality Assurance Cell (IQAC): A Student nominee

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	https://qiscet.edu.in/qiscet/criterion5/5.4.1.pdf

5.4.2 - Alumni's financial contribution during the year

B. 10 Lakhs - 15 Lakhs

File Description	Documents
Upload any additional information	View File

GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 - Institutional Vision and Leadership

6.1.1 - The governance of the institution is reflective of an effective leadership in tune with the vision and mission of the Institution

Vision : To provide high quality education by introducing innovation and creativity in academics and research with societal commitment and to be the knowledge hub in the region and to produce skilled human resources with strong leadership capabilities to kindle the knowledge driven economy of the nation and to make ethically strong citizens.

Mission : The college is committed to develop through good governance, resource building, quality teaching-learning with strong fundamentals high impact research, constructive community engagement, well trained skilled human power in line with National development, capacity building, knowledge management and the continuing education programs.

Innovation, creativity, Research and developing leadership capabilities are the key parameters in the vision statement as perceived by the institution. The mission statements reflects the fundamental purpose of the institute's existence in the society in terms of good governance and Knowledge Management. In order to achieve these objectives, the teaching-learning process includes successfully imparting advanced and competitive technologies to students through various courses under different classifications, like Basic Sciences, Humanities, Engineering sciences, Professional core, Professional electives, Open Electives, Skill development courses and project work. Professional ethics and human values related courses are offered to students to enable them to build their professional and personal lives better.

- Perspective Plans:

The principal of the institute acts as an Ex-Officio member of the managing committee and he discusses the broad outlines/components of the Perspective Plan with the Managing Committee of the Institution and it is then finalized in consultation with the Governing Body of the institute.

Governing Body (GB) is the highest body of the Institute in taking decisions which constitutes as per the guidelines of University Grants Commission (UGC). The Governing Body comprises of Management representatives, Government Nominee, UGC nominee, University (JNTUK) Nominee, Industrialist, Educationalist, Faculty members of the College, in this body Principal acts as the Ex-officio member secretary.

It establishes and executes strategic plan involving all the stakeholders through bottom up and top down approaches. It evolves the director/principal in all the matters such as admission, budget, infrastructure, Teaching-Learning Process and placements, Institute's Vision, Mission and Quality Policy properly to reach the stakeholders properly and ensures the same in execution.

The GB follows democratic (participatory), de-centralized, and transparent governing approaches. It actively involves all stakeholders for smooth functioning of the college. It constitutes various academic and administrative committees like Finance Committee, Board of Studies (BOS), Board of Examiners (BOE),

Training and Placement Officer (TPO) and Heads of various Academic/Administrative committees through the contributions of senior faculty.

- Role of various committees

Here various committees are formed to monitor the institute progress towards realizing its vision, mission while adhering to quality policy. The GB monitors and controls the activities through the Institute Quality Assurance Cell (IQAC) for enhancing quality. The IQAC review the performances of all the activities periodically through conducting audits, awareness programs, student feedback, student survey and training programs for the faculty and staff, and students. Thus, the GB adopts good governing policies to monitor and ensure participative and productive involvement of various stakeholders to promote the growth of the College.

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	https://qiscet.edu.in/qiscet/ABOUT_US_governers.php

6.1.2 - Effective leadership is reflected in various institutional practices such as decentralization and participative management

Institutes has in its structure more than 25 committees that are entrusted with different roles and responsibilities and effective implementation of the academic and non-academic matters. The case study pertaining to College Academic Committee-Teaching learning process as mentioned hereunder to demonstrate decentralization and participative management.

At the institute level several committees have been established and are in place to control and effectively govern the institution in relation to academic and non-academic affairs. Academic Committee has been set up which includes the Principal and all the HODs. The primary objective of this committee is to meet frequently and to discuss various issues pertaining to academic enrichment. These include introduction of courses, reforms in examination and assessment, infrastructure augmentation etc., .This top down

approach of the governing body motivates the stakeholders and significantly contributed to the institute's development.

The Head of the department plays a major role in assigning the courses to the faculty based on the expertise and need. Faculty is given free hand to choose courses based on their own interest. Academic calendars of each department are prepared and followed. HODs make sure that academic calendar is well executed and academic discipline is maintained at all levels in the delivery of course content, conduct of examinations, assessment etc. The HOD as chairman of BOS authorised to discuss about introducing new courses and revising the content and syllabus of a particular course based on current trends and developments. Changes that have been made in the courses are then taken to the notice of BOS of the respective program which includes Industry experts and resource persons from Academia, Alumni etc., for discussion and approval. The recommendations of the BOS of the various Programmes are then taken to the notice of academic council which also consists of experts and resource persons from Academia, Industry and representing all the stakeholders for discussion and approval. The information is also shared with the employees via meetings and circulars frequently. Academic excellence can be achieved by making all the responsible people work together with role clarity, responsibility and authority.

- Class Schedules are prepared well before in advance with respect to curricular/co-curricular/extra-curricular activities and circulated among the students and staff members. HODs and respective faculty members are responsible for formulating and updating learning outcomes for the courses. They also responsible for calculation of course outcomes and program outcomes and this indicates the participation of the faculty concerned.
- One faculty member will be designated as Class teacher at the class room level and is made responsible for monitoring students in terms of academic performance and discipline and reports to the head of the department on the same.
- Mentoring system is also available in the college, where each mentor is assigned with students and constantly interacts with students and parents to address the academic needs and to make sure the needs are met.

To meet the objective of continuous improvement relating to the

teaching learning process, feedback is collected at different periods during the semester and the same is communicated to the concerned faculty and HOD for their recommendations.

File Description	Documents
Upload strategic plan and deployment documents on the website	View File
Upload any additional information	View File
Paste link for additional Information	https://qiscet.edu.in/qiscet/committees.php

6.2 - Strategy Development and Deployment

6.2.1 - The institutional Strategic/ Perspective plan has been clearly articulated and implemented

The college has a five year strategic plan which was drafted in 2016. It was developed through internal and external participation of stakeholders. The strategic Plan was prepared for five successive years from 2016-17 to 2020-21. The management vision is to provide qualitative, holistic education which inculcates academic excellence and professional ethics in the students during the course of their education at the College. It was also emphasized the need to accomplish the technological upgrade, global competence and inducing entrepreneurial skills in students and faculty members of the college. Therefore, the college created and developed strategic plan consists of the following seven important goals for creation of knowledge. They are: Institutional Holistic Development, Infrastructure Development, Strengthening Faculty, Research & Development, Student Career Development Cell, IQAC Cell, and Examination Reforms.

The college is offering UG and PG programmes. The college successfully implemented its strategic vision and almost all the goals have been met adequately. The management strongly believes that strong Research can create knowledge for that several measures have been taken to strengthen the research and development. In this regard the college encourages faculty to strengthen their selves in research and also R & D. The Research and Development has uplifted the graph of development in terms of Research, Projects and Patents. The management introduced incentives to the faculty involved in

research work and college has paid more than ten lakhs toward the incentives. It may be noted that a number of papers published in prestigious journals like Scopus and SCI and UGC.

File Description	Documents
Strategic Plan and deployment documents on the website	View File
Paste link for additional information	https://qiscet.edu.in/qiscet/ACADEMICS_council.php
Upload any additional information	View File

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

The college has composed good organizational structure which clearly indicates and makes the people responsible for various activities. The Governing Body is the highest body of the college and also supreme in decision making. It meets three to four times in a year. The governing body formed a central agenda includes several issues related to various academic and administrative matters and taken appropriate decisions to develop the student. The Governing Body strongly believes and follows student centric environment to make the students to accomplish their desired goals with all efforts by itself. It follows the guidelines laid by the apex bodies like UGC, AICTE and JNTUK and abide them sincerely. The Governing Body continuously monitors the strategic plan and make suitable advice/direction to administrate and execute the plan.

Several committees such as Procurement committee, Examination committee, Admission committee, Grievance and redressal committee, Anti-Ragging Committee, R&D Committee, Finance Committee, Purchase Committee, Sports development committee Professional Bodies Committee, Anti-Sexual, harassment Committee, etc., have been constituted at the institute level involving faculty and students for smooth functioning of the institution. All these committees function under the overall guidance of the Principal.

In addition to the governing body there are several statutory and other committees have been in place to administrate various

activities related to academic, administrative and extension. Hence the governance of the college is more participatory and led by the governing body. It ensures holistic growth and development of the stakeholders. The Institute has given more importance and responsible to society in this regard it contribute, and also promote sustainable socio-economic development through global competitiveness.

A well-documented administrative manual has been in and this manual contains the details of the duties and responsibilities of various categories of employees working in the institute, leave rules, code of conduct , qualifications for recruitment and scales of pay of various categories of employee and Promotion Policy, etc.

The primary goal of the institute is to ensure holistic growth and development of the students. Corporate Social Responsibility is given prime importance by the Institute so as to contribute and promote sustainable socio-economic development by being competitive in the market.

Administrative Set-Up

Functions

Statutory Committees

Policy- making, Financial matters, Recruitments, approving annual budget

The Non-Statutory

Committees

Planning and Evaluation, Student welfare, Co-Curricular and Extra-Curricular

Activities, Industry Institute Interaction.

Service Rules and Procedures

Regulate the service conditions of all Teaching and Non-teaching staff of QIS College of Engineering, either regular or probationary /adhoc appointed in the vacancy of an approved post.

Recruitment Policy &

Promotion Policy

Identification of a vacancy, advertisement of the same, Short-listing of the applications, API score.

Grievances Redressal Cell

Helps students and Parents to record their complaints and solve their problems relevant to academics, resources and personal grievances.

Women Grievance Redressal Cell

Deals with the cases/complaints of sexual harassment and any other type of harassment of the female students, teaching and non-teaching women staff of the college. Also, assist the faculty for taking preventive measures in the matter of gender discrimination and sexual harassment.

File Description	Documents
Paste link to Organogram on the institution webpage	https://qiscet.edu.in/qiscet/ABOUT_US_organogram.php
Upload any additional information	View File
Paste link for additional Information	Nil

6.2.3 - Implementation of e-governance in areas of operation: Administration Finance and Accounts Student Admission and Support Examination	A. All of the above
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File Description	Documents
ERP (Enterprise Resource Planning) Document	View File
Screen shots of user interfaces	View File
Details of implementation of e-governance in areas of operation	View File
Any additional information	View File

6.3 - Faculty Empowerment Strategies

6.3.1 - The institution has effective welfare measures for teaching and non-teaching staff and avenues for their career development/ progression

The college takes care of its employees very well. It provides several welfare measures for the teaching and non-teaching staff. The college uplifts various welfare schemes to all the teaching and non-teaching staff to elevate the quality of work life of the employees and make them to motivate and work effectively. It also encourages the employees to utilize the welfare measures accordingly.

Welfare Measures for Professional Growth

- Here mentioned some welfare measures which provides are Promotion and increments based on self-appraisal, and incentives for publication of papers / research articles, motivating faculty members to conduct/organize guest lectures
- Encouraging faculty members to conduct/organize a conference/Seminar/workshop/FDPs and also provides transport facility on concession basis.

Personal Welfare measures:

1. Maximum of 15 days of Casual Leaves (CL) in calendar year is considered min half day and maximum 3 days can be avail of at any one time.
2. Compensation leave may be granted in case of he/she works on holiday / Second Saturday.
3. Medical leave may be granted in case of sickness of the employee 15 days to 30 days.
4. Earned Leave (EL) is admissible to an employee to a maximum of 5 to 7 days in a year.

5. Leave without pay shall also be got sanctioned in advance as any other leave.
6. Extra Ordinary Leave (EOL)- prolonged sickness, higher education, renunciation
7. On Duty (OD) Leave - 15 days in a calendar year.
8. Study Leave - PhD- 6 days with pay
9. Maternity leave - 90 days. 45 days salary paid after re-joining.
10. Maternity leave can be granted for a period of 90 days at the maximum.

The institution also furnishes the facility of Employee Provident Fund (EPF) for its employees. It grants Interest-free advance to staff, financial support in case of need in the form of festival advance. Here mentioned list of other existing welfare measures are 6th Pay commission recommendations as per the norms of AICTE; annual membership in Indian Professional Bodies like IEEE/IET,IST; sponsors incentives to encourage research activities, Registration fees, also sanctioning,TA&DA for attending conferences, seminars and workshops,FDP; offers Special Incentives for the best research work; Seed Money for research projects; also facilitates Sports, gym and yoga facilities in the institution; ATM facility in the campus, provides APSRTC transport facility to the students into the campus with special permission from APSRTC.

- In addition, the college also provides various leave benefits to all the employees such as casual Leave, Emergency leave, medical leave, maternity leave, marriage leave and Special Casual Leave (SCL) to both teaching as well as non-teaching staff. An employee can avail 19 casual leaves, 5 Emergency leaves in an academic year. It grants On Duty leave to faculty to represent the college either for administrative work or to present research project report at AICTE/ JNTUK/ Technical Education/UGC. The employees can avail the loan facility with the aid of The Bank of Baroda such as Personal Loan, Educational Loan, Housing Loan, Vehicle Loan, and Employee Provident Fund Scheme.

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

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

161

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

6.3.3 - Number of professional development / administrative training programmes organized by the Institution for its teaching and non-teaching staff during the year

18

File Description	Documents
Reports of the Human Resource Development Centres (UGC HRDC/ASC or other relevant centres)	No File Uploaded
Upload any additional information	View File

6.3.4 - Number of teachers who have undergone online/ face-to-face Faculty Development Programmes during the year: (Professional Development Programmes, Orientation / Induction Programmes, Refresher Courses, Short-Term Course, etc.)

261

File Description	Documents
Summary of the IQAC report	View File
Reports of the Human Resource Development Centres (UGC ASC or other relevant centers)	No File Uploaded
Upload any additional information	View File

6.4 - Financial Management and Resource Mobilization

6.4.1 - Institution conducts internal and external financial audits regularly

Financial planning and management place an important role in growth and development of the institution. The institution has a sound and efficient financial management structure in place. Recognized and authorised auditors conduct internal audits regularly. In addition state government also monitors and audits the institutional finance/accounts through AFRC (Admission and Fee Regulation Committee). AP Government pay the fees (through reimbursement) of all eligible students admitted into the college. Therefore transparency is maintained in all respects by the institution. All the expenditures incurred by the college is maintained by the college accounts department and duly submitted to the government from time to time. The state government (committee) approves the expenditure made by the institute after careful review. AFRC considers the report for fixing the revised fee for the next block period (the duration of a block period is three years).

The College has well established Finance Committee. The main objective of the finance committee is to reviews the financial planning periodically. The institute has been registered under section 12A of the Income Tax Act. The finance committee acts as an advisory body to Governing Body (GB) on matters of finances connected to the college. To ensure financial compliance The Institution accounts are audited by internal and external auditors. The third party qualified auditors prepare the institute level budget for every assessment year and present it to the governing body for further proceedings. The finance committee reviews the income/expenditure statements and report the same to the governing body for further recommendations and action plan. Optimal utilization and execution of the budget is monitored through internal and external auditing.

At the beginning of every financial year the annual budget for institute is prepared and proposed for recurring and non-recurring

potential income and expenditures involved for the year. The departmental level budget proposals are also prepared and submitted for the approval of the Governing Body. Channelization of funds in the institute is through resource and fund channelization policy. The primary source of collection is tuition fees. Besides, revenue is generated through the financial grants obtained through external research projects and through the consultancy works carried out by the faculty.

Internal Audit: Qualified and certified internal auditors appointed to do the audit on regular basis. The college auditors conduct the audit of accounts quarterly, scrutinizes and verifies all payments, receipts and journals vouchers of the transactions, cash books, ledger account and all bank accounts in every financial year. The accounts are also subjected to external auditor. The auditors prepare and submit the income and expenditure statement and Balance Sheet and Depreciation statement. All government Scholarships and Funds received from government as Grants are audited separately by the Auditor appointed by government. As an act of transparency, the audited financial statements are published on the college website and also sent to the statutory and regulatory bodies.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://qiscet.edu.in/qiscet/committees.php#

6.4.2 - Funds / Grants received from non-government bodies, individuals, and philanthropists during the year (not covered in Criterion III and V) (INR in lakhs)

965050

File Description	Documents
Annual statements of accounts	View File
Details of funds / grants received from non-government bodies, individuals, philanthropists during the year	View File
Any additional information	View File

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

The College implements academic and non-academic reforms within their self-conceived development programs that focus on quality and relevance, excellence, resource mobilization, greater institutional autonomy with accountability, research and equity. The receipts primarily generated through the fees paid by the students joining in the programmes offered by the college. Any deficit in the receipts would be managed by seeking funds from the parent trust or borrowed from the banks in the form of OD. Another form of receipts is obtained grants received through faculty projects submitted to the funding agencies through Research proposals. These funds are utilized for the research and laboratory development for the benefit of society and students. The institute has a well-defined mechanism to examine effective and efficient utilization of available financial resources for the development of the academic processes and infrastructure development,

The institutional budget is prepared by Principal every year taking into consideration of recurring and nonrecurring expenditures. Accordingly, all the administrative and academic heads are requested to submit the budget required for the subsequent financial year. Along with this all coordinators of different cells viz., R& D Cell, Exam Cell, T&P Cell, NSS Cell, etc. were also instructed to submit their budget through the Principal. All the major financial decisions are taken by the Institute's Governing Body (GB). All the major financial transactions are analysed and verified by the governing body under different heads like Research & Development, Training & Placement, Software & Internet charges, Library Books/ Journals, Repair & maintenance, Printing & stationary, Equipment & Consumables, Furniture & Fixtures. Wherever funds are inadequate, the management borrows loans to meet out the expenditure, given the nature of the institute, it stands a limited scope for fund mobilization. Despite of this, the college management never compromised on providing high quality engineering education with an affordable cost to the students as per the directions of the state government. It clearly indicate that the management has the social commitment of serving the society and thus sincerely contribute to the mission of the state government and partnered in the progress of the state in a little manner through empowering the young minds.

Optimum utilisation of resources:

The departments and other functional bodies prepare their respective estimates and based on this estimates budget is prepared annually to

make sure that optimum utilisation of financial resources. The budgeted amount will be pursued by the Managing Committee/ Board of Governors and will be sanctioned. Income and expenditure statements are prepared on monthly basis. Audit is performed periodically to ensure that the budget is optimally utilized for the purpose it is intended. The resources in the form of facilities and equipment are maintained to ensure optimum performance.

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

6.5 - Internal Quality Assurance System

6.5.1 - Internal Quality Assurance Cell (IQAC) has contributed significantly for institutionalizing quality assurance strategies and processes visible in terms of incremental improvements made during the preceding year with regard to quality (in case of the First Cycle): Incremental improvements made during the preceding year with regard to quality and post-accreditation quality initiatives (Second and subsequent cycles)

The Internal Quality Assurance Cell (IQAC) is a central mechanism which develops consistent, conscious enhancement of quality levels of the institution. The prime responsibility of IQAC is to guide, plan, monitor and supervise various activities which increases the quality of the education in the college. The role of IQAC is to maintain quality standards in academics, evaluating and assessing the performance of the employees in teaching-learning process. The IQAC Cell assures the institution's academic practices through some measures taken such as Faculty Self-Appraisal, FDPs, and Training Programs for Teaching and Non-Teaching, Workshops, Conferences, Educational Reforms, Setting Quality Bench Marks, Key Performances Indicators, Auditing and Impact Mentoring, and Academic and Administrative Audit. The IQAC monitors and improves the quality of academic activities. The College entrenched two best practices such as Performance Indicators, and Setting the quality Bench Marks.

Key Performance Indicators:

The various parameters has been taken in to consideration to assess the quality of a department in the assessment of quality. In order to assess the quality of the institution some performance measures

are done on regular basis and reports are prepared by all the departments every month, every semester and every year. Here some parameters are used to measure the quality such as performance of the students in academics, academic audits, number of publications which published in reputed journals, encourage the faculty to be awarded PhD degrees in the year, furnishing number of funded research projects, grants received, patents applied and granted. Besides these increases the consultancy works and supports faculty contribution in writing books, articles and chapters in various journals.

Setting the quality Bench Marks:

The IQAC has initiated performance settings to improve standards at two levels such as Faculty level and the Department Level. Firstly sets a bench mark for the faculty to improve the papers publications in reputed International Journals like IEEE, Elsevier, also encourages to write up proposal for funding projects, Faculty refresher courses, one week FDP program, guiding UG and PG projects, pursue online certificate courses, student's feedback and maintenance of academic performance index (API) score. The bench mark has been set to assess the departments performance such as, maintaining no of paper publications with a minimum set at 1:1 ratio, funding projects starting with minimum 20 Lakhs per annum, consultancy work with minimum 20 lakhs PA, Faculty Development Programs, Workshops, Hands-on training Programs, guidance for Higher education, and career counselling programs, Student publications, Student Innovations, Student hardware working prototypes, Outcome-based education through computing CO-PO attainment, increasing success rate of the students from first year onwards. To measure efficiency and effectiveness of the processes at department level a metric was used to give score to identify and improve various internal activities at department level.

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

6.5.2 - The institution reviews its teaching-learning process, structures and methodologies of operation

and learning outcomes at periodic intervals through its IQAC as per norms

The institution periodically conduct reviews on its teaching learning processes, structure and methodologies of operations and learning outcomes. The institute generally monitors regularly various operations and reviews teaching-learning processes and adopted various methodologies/practices for achieving expected outcomes. This process is continuous and monitored by the Institutional Quality Assurance Cell (IQAC). In addition, the IQAC also initiates some measures to improve the quality of education through regular and continuous follow-up actions.

The institution follows Choice Based Credit System (CBCS) and adopted the AICTE model Curriculum of 160 credits since 2018-19. The faculty of the College designed a curriculum which follows brainstorming sessions which involves various stake holders. Here introduced some courses to encourage and make them involve in more lab/practice-based courses. In addition to expose the students to learn global methodologies and also inculcate the life skills related courses which reflects on self-development. Courses that enable students to become entrepreneurs also introduced. Regarding this some suggested changes were added in the curriculum with the support of all departments and their BOS and forwarded to the academic council for approval. To achieve the target levels of attainment through COs and POs necessary changes are made in the teaching methodology. The Attainment of the student learning outcomes were done through measuring the Course Outcomes (COs), Programme Outcomes (POs) and Programme Specific Outcomes (PSOs).

Students are required to earn a certification before completion of the course from prominent agencies such as NPTEL, Course era, etc. based on their interest. Faculty are also advised to undergo a certification course in each semester through prominent agencies such as NPTEL, Course era, etc which would strengthen their interest to remain as a learner forever.

The Institution used several assessment tools at different levels to measure the learning Outcomes. The first level is used for assessing the student on a continuous basis through the assessment tests (formative) such as slip test/class test and continuous assessment test (CAT-1) and CAT2. After getting result from CAT1, the students are divided into two categories, Category-I (fast learners) and Category-II (slow learners). To enhance the academic performance of

the students initiated remedial classes for the slow learners and for fast learners introduced a project-based assessment programme. This helps the students to upgrade their knowledge levels, build the capability of adopting new learning techniques in the classroom. At the end of the semester, the students undergo the Semester End Examination (SEE) which results in awarding the SGPA based on their performance in each examination.

The college follows Semester based grading policy and grade points based on an average, cumulative average at the semester level and at the end of the program respectively. The question papers were made to assess the quality and the knowledge of students at different levels referred by Bloom's Taxonomy. Thus, the IQAC reviews institution's teaching learning process, structures & methodologies of operations and learning outcomes periodically.

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

6.5.3 - Quality assurance initiatives of the institution include Regular meeting of the IQAC Feedback collected, analysed and used for improvement of the institution Collaborative quality initiatives with other institution(s) Participation in NIRF Any other quality audit recognized by state, national or international agencies (such as ISO Certification)

File Description	Documents
Paste the web link of annual reports of the Institution	https://qiscet.edu.in/qiscet/IQAC_audits.php
Upload e-copies of accreditations and certification	View File
Upload details of quality assurance initiatives of the institution	View File
Upload any additional information	View File

INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 - Institutional Values and Social Responsibilities

7.1.1 - Measures initiated by the Institution for the promotion of gender equity during the year

7.1.1.1 Gender Equity:

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

Describe gender equity & sensitization in curricular and co-curricular activities, facilities for women on campus etc., within 500 words

Our institution has been committed to the concept of gender equality by giving female students equal treatment in terms of their identity and personality expression.

- Our institution has established a women's cell and an anti-ragging cell to raise student knowledge of their rights and to teach them about women's empowerment. These cells produce a yearly action plan for students to promote gender sensitization and empowerment through various programmes and activities.
- Gender sensitization was one of the goals to be included in the curriculum to educate the students on these issues when they arrive on school to pursue their degrees.
- Moreover, our N.S.S. unit has been involving students in a variety of activities in order to instil traits of leadership, social service, responsible and awakened citizenship, and to cherish the ideals of equality, social justice, and tolerance.
- By forming a Discipline Committee and a Safety & Security Committee, the College has taken many steps to improve

discipline, safety, and security on campus. The College's discipline committee oversees all disciplinary proceedings, with a special focus on safeguarding female students from all forms of harassment and ensuring their privacy.

- 215 CC Cameras are working 24X7, in campus dispensary, round-the-clock security, female assistance, in campus girls hostel, security guard at girls hostel, complaint boxes, and other measures are taken by our college to ensure and prioritise women's safety and security.
- Additional facilities for female students include a females canteen, a separate gym, indoor and outdoor sports courts for physical training, a beauty parlour in the girls dormitory for body care, waiting rooms, and a day care centre to help working female employees, among other things.
- Under the direction of faculty, student counselling has been working to provide informal counselling to students in order to maintain them psychologically healthy and confident enough to combat any sorts of depression they may face.

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	https://qiscet.edu.in/qiscet/ACCRIDATION_PROCESS_naac2_Criterion7.php

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

A. Any 4 or All of the above

File Description	Documents
Geotagged Photographs	View File
Any other relevant information	View File

7.1.3 - Describe the facilities in the institution for the management of the following types of degradable and non-degradable waste (within a maximum of 200 words)

1. Solid waste management

The solid waste in the campus is collected using dustbins placed at

various locations like College Canteen, Boys Hostel, Girls hostels, Classrooms and in and around the college buildings. The material like plastic and iron (wrappers, covers, empty bottles, iron waste from construction and mechanical laboratories...etc) are separated and sent for recycling through an which has MOU with the college. The food waste from the college canteen, Girls and Boys Hostel is collected every day in the big sized drums and dumped in the specific places suggested by the Local municipality away from college campus as there is a scope for insect breeding which can lead to infections and diseases to the people not only in the campus near and around the campus.

Liquid Waste:

The major part of the liquid waste is contributed by the sewage water from the washrooms a, canteen, boys and girls hostel respectively. The waste water coming from the canteen is due to the hand wash and cleaning of the vessels, that is taken away by the local villagers in order to feed their cattle. The sewage water from the college, boys and girls hostel washrooms are directed to the water recycling unit for the reuse in college garden and washroom again which reduces the impact of water scarcity in the campus.

2. Biomedical Waste Management

The biomedical wastage from the college dispensary is collected using disposable covers with utmost precautions by trained people every day and dumped in the places specified by the local municipality. The expired medicines are properly crushed and packed so that no misuse is done and then they are dumped. Materials like used needles and sharp tools are placed in a particular container for the disposal in order to avoid injuries.

3. E-Waste Management

E-waste generated in the campus such as old batteries, chargers, bulbs, keyboards, Computers, and Monitors are collected and handed over to the third party for the disposal. If some obsolete components which are functioning are donated to the needy people in villages near the college like monitors, mouse and keyboards and some of the Components are used to explain Laboratories to the Students.

4. Waste Recycle System

The sewage water from the wash rooms and the and canteen are sent to

the recycling unit and the water which is recycled is again utilized in the wash rooms and for watering the trees and the plants in the campus.

The water coming from the RO purification unit is also used for the watering plants in the gardens and washrooms in the college, boys and girls college hostels.

File Description	Documents
Relevant documents like agreements/MoUs with Government and other approved agencies	View File
Geotagged photographs of the facilities	View File
Any other relevant information	No File Uploaded

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

A. Any 4 or all of the above

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

7.1.5 - Green campus initiatives include

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

1. Restricted entry of automobiles
2. Use of bicycles/ Battery-powered vehicles
3. Pedestrian-friendly pathways
4. Ban on use of plastic
5. Landscaping

A. Any 4 or All of the above

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

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

7.1.6.1 - The institution's initiatives to preserve and improve the environment and harness energy are confirmed through the following:

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

A. Any 4 or all of the above

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

7.1.7 - The Institution has a disabled-friendly and barrier-free environment: Ramps/lifts for easy access to classrooms and centres Disabled-friendly washrooms Signage including tactile path lights, display boards and signposts Assistive technology and facilities for persons with disabilities: accessible website, screen-reading software, mechanized equipment, etc. Provision for enquiry and information: Human assistance, reader, scribe, soft copies of

A. Any 4 or all of the above

reading materials, screen reading, etc.

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

7.1.8 - Describe the Institutional efforts/initiatives in providing an inclusive environment i.e. tolerance and harmony towards cultural, regional, linguistic, communal, socio-economic and other diversities (within a maximum of 200 words).

7.1.8 Inclusion and Situatedness:

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

Provide Web link to:

- Supporting documents on the information provided (as reflected in the administrative and academic activities of the Institution)
- Any other relevant information.

The QISCET has run a number of programmes aimed at creating a more inclusive environment. It has taken a number of steps to promote tolerance and harmony among people of varied cultural, regional, linguistic, communal socioeconomic, and other diversities. QISCET is also involved in programmes, such as celebrating the birthdays of Notable People, National Festivals, NSS, and other similar activities help to create an inclusive environment by bringing students and teachers from various backgrounds together on a common platform. These roles aid in the development of cultural, regional, and language tolerance, as well as communal social economics and other differences. The

QISCET also hosts a variety of cultural events to honour India's cultural diversity. In such programmes, students from various

regional and cultural backgrounds perform regional or cultural folk songs and dances. These cultural activities are held at many levels, including departments, hostels, and institutions, and on various holidays, such as Independence Day and Republic Day. Further, at QIS CET, seminars, workshops, and outreach initiatives are held by many departments to promote communal harmony and tolerance.

All B.Tech students in all fields are required to take the subject of Indian Constitution and professional ethics. Every year, a convocation event is held, during which the convocation address is presented in order to inspire and motivate the students for their future endeavours. Every year, QIS CET celebrates two key national holidays: Independence Day and Republic Day. For the sake of the nation, all teaching and non-teaching professionals, as well as students, participate. The motivational talks are delivered.

Motivational talks by famous experts of the field are conducted for all around development of the students to make the students as a responsible citizens who adhere to national values of social and communal peace and national integration.

Aside from the academic and cultural activities, QIS established a number of solid infrastructures to conduct wide range of sport activities to the students.

In this way QIS provides and establishes an inclusive environment for students who are tolerance and harmony towards cultural, regional, linguistic, communal socioeconomic and other diversities

File Description	Documents
Supporting documents on the information provided (as reflected in the administrative and academic activities of the Institution)	View File

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

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

Response: Yes.

Our institution offers a course on Human Values and professional ethics and Universal Human Values in their Curriculum. Various Activities Conducted to impart the Human Values, duties, Professional Ethics and responsibilities of citizens in students and staff

File Description	Documents
Details of activities that inculcate values necessary to transform students into responsible citizens	View File
Any other relevant information	View File

7.1.10 - The institution has a prescribed code of conduct for students, teachers, administrators and other staff and conducts periodic sensitization programmes in this regard: The Code of Conduct is displayed on the website There is a committee to monitor adherence to the Code of Conduct Institution organizes professional ethics programmes for students, teachers, administrators and other staff Annual awareness programmes on the Code of Conduct are organized

A. All of the above

File Description	Documents
Code of Ethics - policy document	View File
Details of the monitoring committee composition and minutes of the committee meeting, number of programmes organized, reports on the various programmes, etc. in support of the claims	View File
Any other relevant information	No File Uploaded

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

Yes, the Institute hosts national events honoring famous Indians.

To nurture the feeling of national integration and patriotism among the young generation the institution celebrates National festivals like Independence Day and Republic Day every year. For students, it is a great way to understand the rich heritage of India and learn

about the importance of various festivals. It is an integral part of learning and building a strong cultural belief. On the day all the staff- teaching and non-teaching, students, and management attend the flag hoisting ceremony. Cultural programs are also conducted like singing, dancing, creative art, elocutions, etc are held a fortnight before the events and the winners are awarded prizes as well as participation certificates for the participants after the Flag hoisting ceremony.

To mark the birthday of Dr. Sarvepalli Radhakrishnan, Teachers Day is celebrated on September 5th every year in the Institution. On the eve of the day the staff members are honoured with mementos. Games are conducted for the staff and Prizes are distributed to the winners.

Engineers' day is celebrated every year on 15th September in commemoration of the greatest Indian Engineer, Sir Mokshagundam Visvesvaraya, on his birth anniversary. On Engineer's Day, the institution conducts conferences/seminars/competitions to highlight the importance of engineers in society. Many competitions and technical programs on engineer-based problems and finding their solutions are conducted to all the streams of engineering. Technical competitions are conducted and prizes are distributed.

The institution celebrates Swami Vivekananda's birthday with great pomp on January 12 i.e National Youth Day because it believes that the philosophy and teachings of Swami Vivekananda could be a source of great inspiration for the youth of India. On the day students are motivated to attend the Seminar depicting life and teachings of Vivekananda. The volunteers prepared charts and wrote slogans given by Vivekananda.

In remembrance of his contributions to India, Dr. Babu Jagjivan Ram's Birth day is celebrated every year by the institution. All heads of the departments, teaching and non-teaching staff along with the students in the campus offered floral tributes to Dr. Babu Jagjivan Ram. All the staff and students remembered his valuable contributions to the nation. Safety measures were taken throughout the programme.

Children's Day is celebrated each year on November 14 in India as a tribute to the country's first Prime Minister Pandit Jawaharlal Nehru. Due to the Covid pandemic, the children's day of 2020 was celebrated in a unique fashion through the virtual platform.

Sadbhavana Diwas 2021: It is observed on 20 August every year to

commemorate the birth anniversary of former Prime Minister Rajiv Gandhi. The institution believes in promoting national integration and communal harmony among people of all religions and languages by conducting various programs and seminars on the subjects. The students take the sadbhawana diwas pledge and also are motivated to follow the oath.

To honour his contribution and service to the country, Dr B R Ambedkars birthday is celebrated every year on the 14th of April. Various activities like east writing and creative art and cultural activities are conducted and also the students are enlightened on his contribution to the framing of Indian constitution.

Gandhi Jayanthi Every year on October 2nd, Gandhi Jayanthi is being celebrated by National Service Scheme. Every year on that day NSS students voluntarily clean the Gandhi Temple at Kavindhapadi located in our area. Quiz competition is being organized on this day on Gandhiji. All the students who answered correctly were awarded prizes.

National Mathematics Day Srinivasa Ramunujan's Birthday is celebrated on 22nd December every year by the Department of Mathematics in a grand manner to honour the great Mathematician.

International Women's day Celebrated on March 8th every year by the Women Empowerment Cell in a grand manner

File Description	Documents
Annual report of the celebrations and commemorative events for during the year	View File
Geotagged photographs of some of the events	View File
Any other relevant information	No File Uploaded

7.2 - Best Practices

7.2.1 - Provide the weblink on the Institutional website regarding the Best practices as per the prescribed format of NAAC

Best Practices

Best Practice-1

1. Title of the Practice:

Community Enhancement and Engineering Exploration through Innovative projects to Students.

2.Objectives of the Practice

- To provide platform for student/staff communities to learn and explore product development skill and research based programs (by considering the fast growing and advanced technologies).
- To identify & fill the gaps between academia and industry in various fields with research/product development contributions (by collaborating with industries).
- To understand the legal/non-legal rights in every stage of product development life cycle.
- To explore cognitive intelligence and to follow agile way of methodology in developing various products to satisfy the needs of industry/society.
- To develop innovative industry oriented low-cost products targeting towards societal issues (by following Industry 4.0 and 5.0 standards).
- Extension of Product Development Division's (PDD) growth towards commercialization of products.
- To extract abundant research outcomes in terms of research papers, patents, grants etc.
- Obtaining research projects from a variety of financing sources.
- To improve the quality of UG and PG projects.
- To Obtain IPRs.
- To engage in joint projects and consulting with academia and industry for the long term.

3.The Context

The Product Development Division (PDD) of QISCET is divided into five engineering sections and twenty respective sub-sections. PDD identifies and fills research/product development gaps between academia and industry in various core fields. PDD is a platform for students and staff to learn about product development skills and research-based programmes by considering the fast growing and advanced technologies. Here, by following Industry 4.0 and 5.0 standards, low-cost, industry-oriented innovative products will be produced to address societal challenges. It recognizes PDD community needs and, by inviting industry and academic experts, offers the appropriate training. It teaches PDD communities about legal and non-legal rights at each level of the product development life cycle. In order to meet the needs of industry and society, cognitive intelligence and an agile approach are used in the development of numerous products. It expands its involvement in product commercialization. PDD's results include the extraction of several research articles, patents, awards, research grants and participation in various prestigious contests and hackathons, etc. Furthermore, it entails the production of course materials in order to improve the student's/staff's practical knowledge.

Vision:

The vision of Product Development Division (PDD) of QISCET is to facilitate techno-business oriented infrastructure to inculcate various knowledge strengthen and business drive programs for young leaders and dynamic community. By targeting needs of industry and the social community, a student/staff-community may encouraged to design and develop abundant of smart, innovative and research oriented products by considering Product Development Life Cycle and Industry 4.0 and 5.0 centric standards into account. To provide platform for students to develop innovative products with global recognition and generate business opportunities. Further, PDD establishes the network and collaborations across the global market.

Mission:

The Product Development Division (PDD) of QISCET is dedicated to encourage students to develop social community targeted innovative products with the available resources such as highly knowledgeable and experienced faculty, high impact product development and research teams, various smart and creative student clubs, abundant of software tools, well established laboratory infrastructures to accomplish the vision.

4.The Practices

The team of PDD inculcates students and staff communities a variety of best practices as follows:

- As a first step an extensive investigations will be performed to identify the resource-rich villages/mandals/districts in the state and thereby country.
- The economic role and contribution of each resource-rich village/mandal/district will be analyzed in the national wide.
- Field inspections targeting towards villages will be conducted by the students and feedback will be collected from the villagers.
- The societal issues will be identified and problem statements will be extracted.
- Low-cost industry-oriented innovative products will be developed targeting these societal issues.
- The live demonstration of products and product utilization awareness programs will be conducted.
- The student and staff communities are encouraged to exhibit technological solutions for the societal issues by participating in various prestigious contests.
 - Providing high end computing facilities, with internet, Wi-Fi, and other facilities.
- To develop a consultancy programs for providing services to industry and community.
- To students/staff communities will write the research proposals on societal issues and seeks for product development fund the funding agencies.
- Students/staff communities will work on identification of societal issues and may fill IPR against these issues with innovative and simple solutions.
- Students/staff communities are encouraged to do extensive research on societal issues and relevant solutions existing, and new

solutions may be proposed and published in terms of research papers.

Best Practice-2

1. Title of the Practice:

1. initiative towards developing entrepreneurship through Technology Business Centre for Innovation and Entrepreneurship (TBCIE).

2. Goal

Technology Business Centre for Innovation and Entrepreneurship (TBCIE) is dedicated to promote and support the spirit of entrepreneurship among the graduated and graduating students of QISCET and in and around the district.

3. Objectives

- To act as an institutional mechanism for providing various services including information to budding student entrepreneurs.
- To create Entrepreneurial culture in the Parent Institution and other institutions in the region and to promote the objectives of NSTEDB, including programmes related to women and weaker sections of the society
- To foster better linkages between the Parent Institution, Industries and R&D institutions in the region and other related organizations engaged in promoting Small & Medium Enterprises (SMEs) including NGOs and other Voluntary Organizations.
- To catalyse and promote development of S&T based Enterprises and promote employment opportunities
- To respond effectively to the emerging challenges and opportunities both at national and international level relating to SMEs and Micro Enterprises.

4. The Context

TBCIE, QIS College of Engineering And Technology wishes to

facilitate the creation of centre and inventions that benefit to the society. To this end, QIS College of Engineering And Technology has established an Nidamanuri Foundation for Technology Incubation and adopted Incubation Policy to provide guidance and management structure to facilitate the development of entrepreneurship.

Technology Business Centre for Innovation and Entrepreneurship at QIS College of engineering AND technology is registered as section 8 company with name "Nidamanuri Foundation for Technology Incubation Pvt. Ltd." and all the incubated firms are registered under this firm.

Nidamanuri Foundation for Technology Incubation, under the aegis of Sri Nidamanuri Education Society and supported by QIS College of Engineering and Technology that funds, mentors and nurtures ideas, startups and entrepreneurs. Virtual incubates can operate from anywhere in India. Incubation center supports:

- Early-stage startups
- Mid to large sized companies with developed ideas
- Mentors to help our startups
- Family business startups

We have defined our own Incubation policy and IPR policy. The below mentioned procedures for the operational matters are covered under incubation policy. However, the policy is subject to periodical review and amendments. It will be the responsibility of the companies admitted to NFTI to update themselves from time to time on amendments in the Incubation policy and procedures.

1. Eligibility & Process to apply for incubation
2. Intellectual Property (IP)
3. Infrastructure
4. Consideration
5. Assessment
6. Regular Updating

7. Exit

8. Confidentiality

9. Disclaimer

QIS College of Engineering and Technology reserves the rights to make an exception of all or any of the terms of the policy for a particular company or a promoter on a case-to-case basis. QIS College of Engineering and Technology has applied for funding support from the following agencies.

MSME - Technology Business Incubation Centre

MSME- Livelihood Business Incubator Centre

EDII - Entrepreneurship Awareness Camps

DST - Entrepreneurship

5. Practice

In today's ultra-competitive business world, entrepreneurs face numerous hurdles; thankfully, modern times have provided entrepreneurs with more resources than ever before to address those challenges. Entrepreneurship education teaches pupils how to recognize and seize a variety of financial opportunities. This helps people to work in situations that are authentic to them. As a result, compared to conventionally employed workers, there is a higher level of individual satisfaction. Market diversification broadens a consumer's choices while also fostering more dynamic competition.

In many societies, unemployment is a major issue. Entrepreneurship education strives to provide people with the skills they need to create jobs. The goal of this programme is to prepare these individuals to launch small and medium businesses, which are critical to any country's progress. In India, this industry employs half of the private workers. The majority of job seekers rely on entrepreneurs to start new businesses and recruit them.

Entrepreneurship education instils skills like self-motivation and financial prudence. Furthermore, because entrepreneurship necessitates taking measured risks, this education equips people with self-discipline. People who have undergone this type of training are better able to spot chances. Entrepreneurship education also helps firms to be more innovative in their operations.

People can get control of their circumstances by teaching them new ways to make a living. Entrepreneurship education is being used to empower women in Tanzania, for example. Women with technical training, for example, have a difficult time finding work in a male-dominated field. The education is aimed at boosting their self-esteem and giving them the opportunity to become self-sufficient so that they are not completely reliant on jobs. Self-awareness is also enhanced through this type of instruction. It provides a dynamic platform for an individual to discover his or her capabilities through practical application rather than theoretical knowledge earned through basic learning.

Entrepreneurship Activities on campus

Various Activities are organized regularly to encourage and support students and faculty members. Frequency of the activities will be weekly, monthly and annually.

1. Entrepreneurship Talk series
2. Entrepreneurship Awareness camps
3. Ideation camp
4. Business Development Bootcamps
5. Visit to nearby industries and startups
6. Faculty development workshops
6. Problems Encountered and Resources Required

Support for entrepreneurship has its limits. It trains students for potential entrepreneurial and entrepreneurial professions and encourages research results to be commercialized. A key success

element is the close collaboration and integration of the College's internal and external support infrastructure and services. It is critical to bring in private actors who contribute to college entrepreneurship support as early as possible to expose would-be entrepreneurs and support providers to the "business industry".

File Description	Documents
Best practices in the Institutional website	Nil
Any other relevant information	Nil

7.3 - Institutional Distinctiveness

7.3.1 - Highlight the performance of the institution in an area distinct to its priority and thrust (within a maximum of 200 words)

7.3.1

Ever since its foundation, QIS College of Engineering and technology, strives to be a pioneer institute and leader in engineering education to address societal needs through education and practice and persistently excels in adapting innovative methods to meet the ever transposing and demanding global needs of technical education time to time to enhance the quality of higher education. The holistic outlook of the college is to model the students to distinctly understand the values, foster skills and work towards gaining knowledge. We have always aspired to be unique using a variety of aspects such as interdisciplinary research, motivating start-ups, innovative teaching pedagogy, value-based education, empowering society through introducing projects and motivating entrepreneurship. The content is often rooted in life experiences, giving an authentic purpose for learning and connecting it to a real-world context

QIS College of Engineering and technology firmly believes that the holistic development is through academic learning programs along with various extracurricular activities of the students which also are a great way to exhibit the interests and talents of the students. The Institution conducts various activities in service oriented, social, cultural, traditional programmes etc. like Inaugural day followed Orientation programme for first year students,(A carefully facilitated induction programme in the first

year ensuring students are educated on the benefits of inter-disciplinary studies) Gender Sensitization, COVID awareness campaigns, Vaccination drives, National festivals, Social awareness programmes, National Farmers day, National Voters Day, Clean and Green Environment, Planting Saplings, Local festivals to encourage the social responsibility and awareness both in the students and faculty. This helps in developing the competence in students as well enhance their leadership skills and adapt to different social conditions around them. Also conducting such activities on the campus has made the students more enterprising, boosting up their confidence levels, increased creativity and also making them sensitive towards social causes.

The Institution conducts Yoga and social awareness programmes every year. These programmes instigate faith noble values among the students, raising them to higher levels of maturity leading to the overall development of spiritual, moral, and eternal values. Seminars and guest lectures by eminent personalities, FDPs on various social issues and celebrations such as, National Youth Day, International Women's Day are also conducted.

Every Year the students are created awareness on Road Safety and Traffic Rules by the district Police Officials and conducted a run to create awareness on healthy heart in today's life in Association with STEP (Society for Training and Employment Promotion) and Nehru Yuva Kendra where the NSS Volunteers participated.

QIS College of Engineering and Technology is one among the 47 colleges in India who got sanctioned prestigious Idea labs by AICTE for motivating students to develop Innovative projects. The Idea Lab is an Intensive, Interactive and free-thinking environment, where a diverse group of students from a range of disciplines and backgrounds develop collaborative research Projects.

The Institution also has an advanced skill labs which include Robotics Lab under the Department of Mechanical Engineering with Collaboration with the European Centre for Mechatronics, Germany from 2019 onwards. It is an initiative to upskill the students in Embedded Systems, Robotics, Sensors, Information and Communication technology with an adequate guidance and support by the faculty. This program is sponsored by Andhra Pradesh State Skill Development Corporation, A.P. The moto of establishing skill labs is to empower the students with ingenious and enterprising skills. The objectives

of these labs are to

- Enable resource of open source projects and tutorials and enhance the quality of final year projects in Embedded Systems and Robotics.
- Lay out a platform for new and creative ideas in projects .
- Draw local industries for internships and placements.
- Provide platform to design, develop, program and test of robots to various applications.
- Encourage usage of robots to solve real life problems.

QIS College of Engineering and technology also involves the student's participation in philanthropic services such as helping the poor, and the needy by distributing blankets in winters and uplifting the weaker sections of the society through many awareness programmes, free medical camps, providing health assistance visiting nearby villages and educating them on the importance of clean environment. There by the students become more aware of their social responsibility and betterment of the society. It also conducts programmes on, sensitizing students towards gender issues and access to medical health. Involving students in welfare programs such as free eye and dental colleges, distribution of stationery to schools and provisions for a blind school waken the feelings of self-satisfaction for both the students and the committee.

CISCO Networking Academy in the Institution is established to create globally focussed student centric learning environment and nourishing its students technically and transfiguring them into pioneers and young entrepreneurs. CISCO globally started collaborating with the best Engineering colleges and QISCET CISCO Academy is a derivative of CISCO' search for knowledge-seeking partners. The academy strives to build reputation for innovation / progressiveness to attract new students and improves career and economic opportunities round the world. Students are prepared to meet the challenging ever transforming technical challenges and also supported through fellowships and career opportunities. It is committed to continue the legacy of quality, inspiration and widen the horizons of thinking.

E-CAP on Edu portal has set its own guidelines by drawing up varied outlook both in academics and administration to reach excellence and

perfection of the curriculum. In this regard, the college has set up ECAP, an Edu portal to look after every detail of the students as well as the faculty related to admission, attendance, sessional and final marks, faculty-wise feedback and class-wise feedback etc. This portal also sends daily automated attendance alerts (SMS) to parents, generating parent communication letters with attendance and sessional marks to parents and students. The Central Library has fully automated LAN version of E-CAP (Engineering College Automation Package). The portal is continuously monitored by the in-charge, the HODs of the departments and the principal. Consequently, the college is always well versed with the whereabouts of the students properly and helps in disciplining them.

The Institution has adopted creative teaching pedagogy by using Smart Classrooms to help teacher excel in explaining the concept, and fabricate more meaningful learning experiences by using audio/visual aids.

Role plays are a distinctive way of helping students explore how other people are likely to respond to different approaches. They can get a sense of what other people are likely to be thinking and feeling in the situation. Also, by preparing for a situation using role-play, they build up experience and self-confidence with handling the situation in real life, and can develop quick and instinctively correct reactions to situations. This means that they'll react effectively as situations evolve, rather than making mistakes or becoming overwhelmed by events. Students take on the role of a person affected by an issue and studies the impacts of the issues on human life and/or the effects of human activities on the world around us from the perspective of that person.

The institution believes in "learning by doing". In the pursuit models and projects are used as demonstrative tools which are known to be quite effective to explain a particular concept. The student to recall important background information. Students are encouraged to participate in an activity that lets them work directly with the material. This approach turns a lecture into a guided discussion wherein the instructor poses thoughtful questions to students.

Educational institutions boost high-minded spirit and ethical values to produce socially acceptable conduct, disposition and persona which aids transformation, tranquillity, similar chances and justification among individuals, society and nation.

File Description	Documents
Appropriate link in the institutional website	Nil
Any other relevant information	No File Uploaded
7.3.2 - Plan of action for the next academic year	
dsdd	

NAAC