



YEARLY STATUS REPORT - 2020-2021

Part A

Data of the Institution

1.Name of the Institution		USHA RAMA COLLEGE OF ENGINEERING AND TECHNOLOGY
• Name of the Head of the institution	Dr G V K S V Prasad	
• Designation	Principal	
• Does the institution function from its own campus?	Yes	
• Phone No. of the Principal	08662527567	
• Alternate phone No.	08662527558	
• Mobile No. (Principal)	9177712255	
• Registered e-mail ID (Principal)	principal@usharama.in	
• Address	Usharama College of Engineering & Technology NH-16, Telaprolu, Ungutur Mandal, Near Gannavaram, Krishna District, AP - 521109.	
• City/Town	Vijayawada	
• State/UT	Andhra Pradesh	
• Pin Code	521109	
2.Institutional status		
• Autonomous Status (Provide the date of conferment of Autonomy)	24/06/2019	
• Type of Institution	Co-education	

• Location	Rural												
• Financial Status	Self-financing												
• Name of the IQAC Co-ordinator/Director	Dr A Madana Mohana Rao												
• Phone No.	08662527557												
• Mobile No:	9177412255												
• IQAC e-mail ID	viceprincipal@usharama.in												
3.Website address (Web link of the AQAR (Previous Academic Year))	https://cdn.usharama.edu.in/documents/naac/aqar-2019-20.pdf												
4.Was the Academic Calendar prepared for that year?	Yes												
• if yes, whether it is uploaded in the Institutional website Web link:	https://cdn.usharama.edu.in/documents/academic-calendars/btech/btech-1st-year-2020-batch.pdf												
5.Accreditation Details													
<table border="1"> <thead> <tr> <th>Cycle</th> <th>Grade</th> <th>CGPA</th> <th>Year of Accreditation</th> <th>Validity from</th> <th>Validity to</th> </tr> </thead> <tbody> <tr> <td>Cycle 1</td> <td>A</td> <td>3.04</td> <td>2016</td> <td>11/07/2016</td> <td>31/12/2024</td> </tr> </tbody> </table>	Cycle	Grade	CGPA	Year of Accreditation	Validity from	Validity to	Cycle 1	A	3.04	2016	11/07/2016	31/12/2024	
Cycle	Grade	CGPA	Year of Accreditation	Validity from	Validity to								
Cycle 1	A	3.04	2016	11/07/2016	31/12/2024								
6.Date of Establishment of IQAC	09/11/2015												
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.)?													
<table border="1"> <thead> <tr> <th>Institution/ Department/Faculty/School</th> <th>Scheme</th> <th>Funding Agency</th> <th>Year of Award with Duration</th> <th>Amount</th> </tr> </thead> <tbody> <tr> <td>Nil</td> <td>Nil</td> <td>Nil</td> <td>Nil</td> <td>Nil</td> </tr> </tbody> </table>	Institution/ Department/Faculty/School	Scheme	Funding Agency	Year of Award with Duration	Amount	Nil	Nil	Nil	Nil	Nil			
Institution/ Department/Faculty/School	Scheme	Funding Agency	Year of Award with Duration	Amount									
Nil	Nil	Nil	Nil	Nil									
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? 	Yes	
<ul style="list-style-type: none"> • If No, please upload the minutes of the meeting(s) and Action Taken Report 	No File Uploaded	
10.Did IQAC receive funding from any funding agency to support its activities during the year?	No	
<ul style="list-style-type: none"> • If yes, mention the amount 		
11.Significant contributions made by IQAC during the current year (maximum five bullets)		
<p>1.To increase the number of publications in Scopus and SCI journals and strive to achieve an average of one publication per faculty per year. 2.To motivate the faculty members and the students to register and attend various online training programs conducted by reputed institutions. 3.To give more emphasis on the academics of the weak students and improve the mentor mentee relationships for better results. 4. To conduct the webinars, workshops and Faculty development programs. He opined that these kinds of programs would fill the gap between academic curriculum and industry needs. 5.To counsel the students to register for membership in professional bodies for Civil engineering, Electrical and Electronics engineering, Mechanical engineering, Electronics and Communication engineering students, Computer Science engineering and Information and Technology in maximum numbers as mandatory. Also encourage the Faculty members to get membership in at least two professional societies.</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:		

Plan of Action	Achievements/Outcomes
Post Covid class work	The class work was conducted in online mode for all branches
Faculty Training	Some Faculty attended UHV program conducted by AICTE.
Research Publications	Frequent meetings are conducted with faculty members to motivate to do quality research. A growth in Research and faculty publications was observed.
Conducting of Labs	After conducting online classes through TEAMS app in online mode, the time table for the lab classes in offline mode has been given to faculty and students
Research and consultancy projects	Some faculty members have applied for R&D project to AICTE and various prestigious funding agencies.
Steps to improve academics at UG and PG level	Mentoring system has been implemented successfully for all classes. Remedial classes have been given to weak students for better results.
Extra and Co-Curricular activities	Co-curricular activities have been resumed
Final year students projects	Guidelines for conducting final year student's project have been given to HOD's to implement in their respective departments for better quality projects.
13. Was the AQAR placed before the statutory body?	No
<ul style="list-style-type: none"> Name of the statutory body 	

Name of the statutory body	Date of meeting(s)
Nil	Nil
14. Was the institutional data submitted to AISHE ?	Yes
<ul style="list-style-type: none"> Year 	
Year	Date of Submission
31/01/2022	31/01/2022
Extended Profile	
1. Programme	
1.1 Number of programmes offered during the year:	10
File Description	Documents
Institutional Data in Prescribed Format	View File
2. Student	
2.1 Total number of students during the year:	1984
File Description	Documents
Institutional data in Prescribed format	View File
2.2 Number of outgoing / final year students during the year:	479
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:	1880

File Description	Documents
Institutional Data in Prescribed Format	View File
3.Academic	
3.1 Number of courses in all programmes during the year:	434
File Description	Documents
Institutional Data in Prescribed Format	View File
3.2 Number of full-time teachers during the year:	163
File Description	Documents
Institutional Data in Prescribed Format	View File
3.3 Number of sanctioned posts for the year:	162
4.Institution	
4.1 Number of seats earmarked for reserved categories as per GOI/State Government during the year:	410
4.2 Total number of Classrooms and Seminar halls	47
4.3 Total number of computers on campus for academic purposes	520
4.4 Total expenditure, excluding salary, during the year (INR in Lakhs):	40,01,682
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.

The Curriculum is designed to ensure that the students have the required domain knowledge, skills and attitude. The factors considered for design of curriculum are: (i) Syllabus of various reputed Indian and International Universities (ii) Model curriculum prescribed by AICTE,

The initial phase for ensuring academic quality is the design of the curriculum, in particular, the types of courses, the number of electives, and the curricular structure, with complete details of the course title and course contents as per the regulations.

An effective implementation of this Outcomes Based Education (OBE) ensures that our graduating engineers have all the 12 POs defined by NBA, and hence can compete on a global platform, and have expected global attributes. Specific to every program, we have 3-5 Program Educational Objectives (PEOs) that are measured through the performance of the alumni.

The initial version of the curriculum is prepared by having the above design criteria, through discussions with stakeholders. The proposed curriculum is then discussed in DBOS (Department Board Of Studies) and is put forth to BOS (Board of Studies) where the experts from industry, academia, Alumni in addition to senior faculty members. The curriculum is then placed for approval during the Academic Council (AC).

File Description	Documents
Upload additional information, if any	No File Uploaded
Link for additional information	Nil

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

10

File Description	Documents
Minutes of relevant Academic Council/BOS meeting	View File
Details of syllabus revision during the year	View File
Any additional information	No File Uploaded

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

63

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	No File Uploaded
Any additional information	No File Uploaded

1.2 - Academic Flexibility

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

134

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

10

File Description	Documents
Minutes of relevant Academic Council/BoS meetings	View File
Any additional information	No File Uploaded
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 courses on Ethics, Human Values, Human Resources & Organizational Behaviour and Community Outreach (HVCO) through NSS, Environmental Studies are embedded in the curriculum of all programmes.

1. Gender Sensitivity

There are many platforms for hands-on experiences related to gender sensitivity which enable students to interface with real life situations such as field work, community outreach, and gender sensitization activities under Women Empowerment Cell. The events such as Quiz, Miss-Ethnic, Role-Play and Elocution Competitions on Women Empowerment and Great Women Personalities are conducted.

A course of 2 credit on human values "Professional Ethics and Human Values" is offered as Subject / open elective to all the students to take at least once during the programme of study. IN view of Social development activities like organizing blood donation camps, health check-up camps, hygiene and health workshops, environment awareness camps, workshops on social issues, Cloth distribution to poor, public health, gender issues etc.

A course of Environmental Studied is included in all UG programmes. In order to sensitize students about the environment and sustainability issues, a number of activities such as seminars, workshops, guest lectures, industry visits and field excursions were organized for students of all programmes.

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	No File Uploaded

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

7

File Description	Documents
List of value-added courses	View File
Brochure or any other document relating to value-added courses	No File Uploaded
Any additional information	No File Uploaded

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

1848

File Description	Documents
List of students enrolled	View File
Any additional information	No File Uploaded

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

232

File Description	Documents
List of programmes and number of students undertaking field projects / internships / student projects	View File
Any additional information	No File Uploaded

1.4 - Feedback System

1.4.1 - Structured feedback and review of the syllabus (semester-wise / year-wise) is obtained

A. All 4 of the above

**from 1) Students 2) Teachers 3) Employers
and 4) Alumni**

File Description	Documents
Provide the URL for stakeholders' feedback report	Nil
Upload the Action Taken Report of the feedback as recorded by the Governing Council / Syndicate / Board of Management	No File Uploaded
Any additional information	No File Uploaded

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	Nil
Any additional information	No File Uploaded

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

445

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)

219

File Description	Documents
Any additional information	No File Uploaded
Number of seats filled against seats reserved (Data Template)	View File

2.2 - Catering to Student Diversity

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

The institution has well-planned multi-level strategies that are implemented from time to time to address the issues of diversity in students' learning levels.

Special remedial classes are arranged for the slow learners before or beyond the regular class schedule on specific days for each course and individual attention is paid for improving the students' level of learning, problem solving and presentation.

Slow learners are further assisted through individualized counseling by the resident faculty in Educational Psychology of the institution and the regular counseling sessions by the class in charges. Most of the students' problems resolved by these efforts and if felt necessary, the parents are called in for additional help to their ward.

Slow learners are paired with good performers to enhance their learning abilities (Peer group learning)

The soft and communication skills are given special emphasis for the students from rural Background to improve these skills and thereby bring them at par with regular learners.

Programs like coding contests, special training programs on problem solving approaches, campus specific training etc.

It is quite often noted that the slow and average learners become more motivated and start performing well in academics after participation in the technical, sport and cultural activities.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	Nil

2.2.2 - Student – Teacher (full-time) ratio

Year	Number of Students	Number of Teachers
01/06/2020	1998	160

File Description	Documents
Upload any additional information	No File Uploaded

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:

The teaching-learning process is one major objective and the strength of our college. Students are given a right blend of traditional and modern methods to make learning student-centric and a rewarding experience.

Design/development of solutions: Students attempt to develop solutions for complex engineering problems and design system components/processes that meet the specified needs of real-time cases through group analysis, brainstorming etc.

Project works involving latest technologies. On an average, 40 to 50 different problems are investigated to a reasonable level by final year students under the supervision of project guides, within the constraints of time and resources in each department.

Participation in professional societal activities of IEEE, ISTE, CSI etc. are currently mandatory.

Industry projects and collaborations are undertaken to enrich students with pre-employment training.

Periodical Guest lectures on topics relevant to employment skills by personnel from respective organizations / industry.

Different learning methods viz. problem-based, case-based, project-based, inquiry based, computation-based, co-operative (work- or community-based) are implemented wherever feasible.

Students are encouraged to take up innovative projects and mini projects.

Problem solving methodologies adopted are

Giving assignments and quizzes at the end of instruction of each unit.

Product Design and development.

File Description	Documents
Upload any additional information	No File Uploaded
Link for additional Information	Nil

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

Effective content delivery by using ICT tools in the class room for better understanding and reinforcement of the concepts and problem-solving is adopted by all the faculty of the institution. ICT tools complement the traditional teaching-learning methods, and the institute is highly interested in providing innovative methods for enriching the learning experience.

Teaching/Learning methodologies include the use of ICT tools for illustrations and special lectures, field study, case-studies, project-based-methods, experimental methods, flipped class room sessions etc.

The conventional lecture method facilitates the teacher to interpret, explain and revise the content of a topic, only for better understanding of the subject by the learners. At the end of instruction of each unit, the students are given specific assignment which enriches their learning.

ICT components are embedded in the course contents of all relevant engineering disciplines which include free / commercial software

used for computation / simulation such as the use of MATLAB for solving linear or differential equations and statistical analysis of experimental results in project works.

ICT enabled Teaching-Learning Process is supported with Regular Practical Sessions, access to Digital Library, Online Courses (MOOCS, NPTEL etc.), online journals, Online tests,

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	No File Uploaded

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

2.3.3.1 - Number of mentors

79

File Description	Documents
Upload year-wise number of students enrolled and full-time teachers on roll	No File Uploaded
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

1. Academic calendar

The Academic Committee that prepares a well-planned Academic calendar.

First and last day of instruction, schedules of internal and external exams, preparation holidays for final examinations, and vacation periods.

Academic calendar is strictly adhered to. However, in case of any unforeseen situations which are beyond the control of the

institution, necessary change is made by the authorities and the same is displayed in notice boards and websites.

2. Teaching Plan

Heads of the departments conduct meeting with their respective faculty well in-advance of commencement of the semester course work, and allocate subjects.

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.

Course prerequisites

Course objectives and outcomes

Mapping of course outcomes with program outcomes

Learning resources

Detailed unit wise lecture plan

Assignment and tutorial questions

Model question paper

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.

File Description	Documents
Upload the Academic Calendar and Teaching Plans during the year	No File Uploaded

2.4 - Teacher Profile and Quality

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

163

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	No File Uploaded
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

15

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)

163

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

30

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	No File Uploaded

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

0

File Description	Documents
Upload the number of complaints and total number of students who appeared for exams during the year	No File Uploaded
Upload any additional information	No File Uploaded

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

Examination reforms by the College The college keeps its examination system open for modifications and thus strengthens it from time to time, ensuring the system fool proof and address the grievances of students, if any. The institutional reforms in all the activities of the examination system are kept at par with the reforms pushed by the AICTE for various engineering disciplines. • Credit system was introduced for the benefit of the students. • Quizzes /Project works and assignments are made part of evaluation.

- 5 sets of question papers are maintained for each subject / course
- Setting the question papers from all the units with internal choice and moderation of question papers
- Preparation of detailed scheme of evaluation by internal subject / course experts
- Appointment of squad consisting of senior faculty members of other reputed institutions and internal faculty to monitor the semester end examinations
- Establishment of Spot evaluation center
- Encoding and decoding of answer booklets
- Automation of examination management system

- Personal verification and revaluation system

File Description	Documents
Upload any additional information	No File Uploaded
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

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 department offering the concerned program after rigorous consultation with all faculty and the stakeholders.

- 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/ISO 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 co-ordinators prepare the PSOs, usually two to four in number, in consultation with course coordinators.

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.

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

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.

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.

Mid Examinations are conducted twice a semester and each of them covers the evaluation of all the relevant COs attainment.

Semester End Examination is descriptive, and a metric for assessing whether all the COs are attained.

Rubrics are formulated for the assessment of Laboratory, Mini Project, Major Project, Seminar and Internship courses.

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.

File Description	Documents
Upload any additional information	No File Uploaded
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

271

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	No File Uploaded
Paste link for the annual report	Nil

2.7 - Student Satisfaction Survey

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

<https://cdn.usharama.edu.in/documents/student-satisfaction-survey-naac.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

The institute provides all necessary infrastructural facilities and a conducive environment to promote research activity in the campus. Due to limited resources, the institute may not be able to fund all the research activities taken up by the faculty and students. Faculty are encouraged to apply for various funding agencies and pursue their research. However, the institute is ready to provide seed funding or partial funding based on the merit of proposals submitted by faculty or student. The faculty and students are given

freedom to choose the research area of their choice and guidance is given to seek funding from various funding agencies and industries. The institute encourages the faculty by providing incentives for peer reviewed publications, writing books and filing patents. The institute takes care of patent filing process, which is governed by the Research policy of the institute. The institute gives a free hand to report research results and findings. However, a thorough review is done for all research proposals seeking funding from various funding agencies by consulting the research committee comprising the Director R& D, Head of respective department and subject expert(s) of the department.

File Description	Documents
Upload the Minutes of the Governing Council/ Syndicate/Board of Management related to research promotion policy adoption	No File Uploaded
Provide URL of policy document on promotion of research uploaded on the website	Nil
Any additional information	No File Uploaded

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)

0

File Description	Documents
Minutes of the relevant bodies of the institution regarding seed money	No File Uploaded
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	No File Uploaded
Any additional information	No File Uploaded

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

0

File Description	Documents
e-copies of the award letters of the teachers	No File Uploaded
List of teachers and details of their international fellowship(s)	View File
Any additional information	No File Uploaded

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)

1027667

File Description	Documents
e-copies of the grant award letters for research projects sponsored by non-governmental agencies/organizations	No File Uploaded
List of projects and grant details	View File
Any additional information	No File Uploaded

3.2.2 - Number of teachers having research projects during the year

2

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional Information	Nil
List of research projects during the year	View File

3.2.3 - Number of teachers recognised as research guides

7

File Description	Documents
Upload copies of the letter of the university recognizing teachers as research guides	No File Uploaded
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

1

File Description	Documents
Supporting document from Funding Agencies	View File
Paste link to funding agencies' website	Nil
Any additional information	No File Uploaded

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 provides a conducive environment for promotion of Innovation and Incubation. All required facilities are provided and Guidance is extended to the students. Students are encouraged to actively involve in the application of Technology for societal needs. Necessary support is provided for Documentation, Publication of Research Papers and also for obtaining patents.

Awareness meets, workshops, seminars and guest lectures on Entrepreneurship are organized. Students are provided opportunities to directly interact with outstanding entrepreneurs excelling in their field. Product service Training is provided for creating awareness on marketing the products.

The sole objective of the Incubation Center is to facilitate students to convert their Ideas into Technological Innovations. Students are provided facilities to build prototypes useful for promotion of Agriculture and Rural Development. Financial Assistance is provided for major and minor Research Projects. Workshops on emerging trends in Technology are held. Model Expos are held. Students are awarded cash prizes for best models. Students are

encouraged to gain hands on experience and better Industrial Exposure.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	Nil

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

9

File Description	Documents
Report of the events	No File Uploaded
List of workshops/seminars conducted during the year	View File
Any additional information	No File Uploaded

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

E. None 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	No File Uploaded
Any additional information	No File Uploaded

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

10

File Description	Documents
URL to the research page on HEI website	Nil
List of PhD scholars and details like name of the guide, title of thesis, and year of registration	View File
Any additional information	No File Uploaded

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

28

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

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

0

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

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**

218

File Description	Documents
Any additional information	No File Uploaded
Bibliometrics of the publications during the year	No File Uploaded

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

17

File Description	Documents
Bibliometrics of publications based on Scopus/ Web of Science - h-index of the Institution	No File Uploaded
Any additional information	No File Uploaded

3.5 - Consultancy

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

0

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	No File Uploaded
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

0

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	No File Uploaded
List of facilities and staff available for undertaking consultancy	No File Uploaded
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

Our college NSS unit organized blood donation camp in association with Govt. Hospital Eluru on 09-02-2021 at our college. Camp commenced at 9 a.m. 84 students and some staff members donated blood. NSS volunteers participated in the programme. Hospital doctor and staff supervised the camp. T

GRAM PANCHAYATHI ELECTIONS-2021

In the view of Gram Panchayathi Elections 2021, twenty students of Usharama College of Engineering & Technology have volunteered at Unguturu, Telaprolu to guide the voters in the correct way of cast their votes under the protection of Veeravalli village police. The students were appreciated by the Director and Principal.

YOUTH RED CROSS SOCIETY CYCLE RALLY

Youth Red Cross society conducted a cycle rally on 24/032021. Our NSS students (200 students) gave grand welcome to the RED CROSS team and provided needful things.

On 5th Feb we conduct an orientation program on road safety. The honorable chief guest P. Ramachandra rao Traffic CI addressed the students regarding the traffic rules and road safety. The other dignitaries to the function Venkata Ramana SI Principal Dr.G.V.K.S.V. Prasad and NSS program officer Dr.V.Srihari babu we

feel proud to say thanks to each and every one who participated in the programme.

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

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

0

File Description	Documents
Number of awards for extension activities in during the year	View File
e-copy of the award letters	No File Uploaded
Any additional information	No File Uploaded

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)

5

File Description	Documents
Reports of the events organized	View File
Any additional information	No File Uploaded

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

300

File Description	Documents
Reports of the events	View File
Any additional information	No File Uploaded

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**

2

File Description	Documents
Copies of documents highlighting collaboration	View File
Any additional information	No File Uploaded

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)

13

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

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.

The institution ensures adequate availability and optimal utilization of physical infrastructure as it is critically linked to the vision of the college. At the beginning of the academic year need-assessment for replacement / up-gradation/ addition of the existing infrastructure is carried out based on the suggestions from BOS members, Heads of the departments, lab technicians and system administrator after reviewing course requirements, computer-student ratio, budget constraints, working condition of the existing equipment and also students' grievances.

The Time Table committee plans ahead for all requirements regarding

classrooms, laboratories, furniture and other equipment's. • Optimal deployment of infrastructure is ensured through conducting workshops/awareness programs/training programs for faculty on the use of new technology. • Effective utilization of infrastructure is ensured through appointment of adequate and well qualified lab technicians/system administrator. • The optimal utilization is ensured through encouraging innovative teaching-learning practices. • The available physical infrastructure is optimally utilized beyond regular college hours, to conduct certificate courses, co-curricular activities/extra - curricular activities, parent teacher meetings, Campus Recruitment Training classes, campus recruitments, meetings, seminars, conferences etc.,. • It is used as an examination center for Government examinations/University Examinations like GATE, EAMCET, etc.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	Nil

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

College has provided a number of facilities for supporting extracurricular activities related to culture, creativity, arts and recreation. Two Seminar Halls with a seating capacity of 500 and 1000 respectively established for conducting Literary and cultural events.

The college also has various student clubs like Programming Club, Entrepreneur Club, Sports Club, Literary Club, Cultural Club, Photo and Film Club, Women Empowerment and Grievance Cell. The club activities are regularly held. Every year

Each department in the college has Department level student associations which regularly organize events like Technical seminar, Guest Lectures, Technical Quiz and Project Expos which exposes the students to latest Technical developments and these events let the students learn event organizing skills.

The Physical Education Department of Usha Rama College of

engineering has been established in 2008. It took the responsibility not only to provide the necessary infrastructure that helps the students to inculcate good habit of playing games but also to develop the sportsmanship and comradeship.

The college had earmarked 2.5 acres of land for Outdoor games namely: Cricket, Volley Ball, Basket Ball, Throw Ball, Tennycoit and multipurpose ground for Foot Ball.

File Description	Documents
Geotagged pictures	No File Uploaded
Upload any additional information	No File Uploaded
Paste link for additional information	Nil

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

21

File Description	Documents
Upload any additional information	No File Uploaded
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)

449.6

File Description	Documents
Upload audited utilization statements	No File Uploaded
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)

The Library plays a central role in enhancing the quality of academic and research environment in Education institutions. The Institute library is a place in the Institute where huge collections of academic books, journals, magazines, research projects, rare books, other knowledgeable books and newspapers are kept. These books are made available to the students to increase their knowledge and understanding on various subjects. The college library is an important hub of student life. There, student can check out books, conduct their research, find a quiet place to study, and maybe even flip through magazine. The students can extend their search with use of internet, e-books, e-journals etc. made available in the digital library. The Institute library exhibits positive impact on the academic achievement of the student. Students can perform better during examination and placement as students are explored to the knowledge through various means.

Library Services:

- Books, Journals, e- Journals, Project & CD Access.
- Reference Section with knowledgeable books
- News Papers
- OPAC Facility
- Digital Library

- Student & Staff Membership Entries
- Books Entries
- Books Issue & Returns
- News Paper Entries
- Dues Collection
- OPAC
- Students Barcode Print
- Books Barcode Print
- Books Spine Labels Print
- Stock Checking
- View the Reports

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

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

C. Any 2 of the above

File Description	Documents
Details of subscriptions like e-journals, e-books, e-ShodhSindhu, Shodhganga membership	View File
Upload any additional information	No File Uploaded

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

28630

File Description	Documents
Audited statements of accounts	No File Uploaded
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

170

File Description	Documents
Upload details of library usage by teachers and students	View File
Any additional information	No File Uploaded

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

Usha Rama College of Engineering and Technology is facilitated with extensive computing infrastructure. Profiles of the College are made accessible to all stakeholders through the College website. The students also can view their profile. Confidential data are accessible only to the authenticated persons. The same is available to other responsible persons with due permission from the Principal. The College upgrades ICT enabled infrastructure periodically by procuring suitable software and hardware for the enhancement of teaching-learning and networking capabilities. The IT policy of the College ensures authenticity of installation of software tools, responsibility of maintenance and timely renewal of all software of the Institution. Hardware Facilities

- The College has 589 computers, and they are periodically updated and replaced.
- Systems with Dual Core Processors, Pentium i3 and i5 are available.
- 21LCD projectors, one LED TV cum interactive display, one LED 4K TV and one interactive board are at service.
- One LED Digital Board is installed to display the events and academic activities of the College.
- There is a Communication and Skills Development Centre for developing language skills.

Software Facilities

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	Nil

4.3.2 - Student - Computer ratio

Number of Students	Number of Computers
1913	595

File Description	Documents
Upload any additional information	No File Uploaded

4.3.3 - Bandwidth of internet connection in the Institution and the number of students on campus	A. 250 Mbps								
<table border="1"> <thead> <tr> <th data-bbox="76 311 550 376">File Description</th> <th data-bbox="550 311 1476 376">Documents</th> </tr> </thead> <tbody> <tr> <td data-bbox="76 376 550 483">Details of bandwidth available in the Institution</td> <td data-bbox="550 376 1476 483">No File Uploaded</td> </tr> <tr> <td data-bbox="76 483 550 584">Upload any additional information</td> <td data-bbox="550 483 1476 584">No File Uploaded</td> </tr> </tbody> </table>	File Description	Documents	Details of bandwidth available in the Institution	No File Uploaded	Upload any additional information	No File Uploaded			
File Description	Documents								
Details of bandwidth available in the Institution	No File Uploaded								
Upload any additional information	No File Uploaded								
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	E. None of the above								
<table border="1"> <thead> <tr> <th data-bbox="76 887 550 952">File Description</th> <th data-bbox="550 887 1476 952">Documents</th> </tr> </thead> <tbody> <tr> <td data-bbox="76 952 550 1059">Upload any additional information</td> <td data-bbox="550 952 1476 1059">No File Uploaded</td> </tr> <tr> <td data-bbox="76 1059 550 1167">Paste link for additional information</td> <td data-bbox="550 1059 1476 1167">Nil</td> </tr> <tr> <td data-bbox="76 1167 550 1267">List of facilities for e-content development (Data Template)</td> <td data-bbox="550 1167 1476 1267">View File</td> </tr> </tbody> </table>	File Description	Documents	Upload any additional information	No File Uploaded	Paste link for additional information	Nil	List of facilities for e-content development (Data Template)	View File	
File Description	Documents								
Upload any additional information	No File Uploaded								
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)									
3956722									
<table border="1"> <thead> <tr> <th data-bbox="76 1541 550 1606">File Description</th> <th data-bbox="550 1541 1476 1606">Documents</th> </tr> </thead> <tbody> <tr> <td data-bbox="76 1606 550 1671">Audited statements of accounts</td> <td data-bbox="550 1606 1476 1671">No File Uploaded</td> </tr> <tr> <td data-bbox="76 1671 550 1776">Upload any additional information</td> <td data-bbox="550 1671 1476 1776">View File</td> </tr> </tbody> </table>	File Description	Documents	Audited statements of accounts	No File Uploaded	Upload any additional information	View File			
File Description	Documents								
Audited statements of accounts	No File Uploaded								
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.									
Maintenance of civil works is needed for getting uninterrupted services which facilitate smooth and efficient functioning of the institution. The maintenance of civil works include									

The standard procedure followed for service and maintenance of equipment/machinery as follows

Department of electrical engineering deals with power supply and maintenance. Following SOP is followed for uninterrupted power supply in college premises.

Checking diesel in storage tank daily and Replenishing stock of diesel.

Checking distilled water level in radiator daily, and if any shortage is found, it is refilled.

Laboratory maintenance:

Regular Upkeep and maintenance of equipment as well as repair of equipment is important for proper functioning of any engineering laboratory.

CENTRAL LIBRARY

The order list shall be prepared on the basis of suggestions of the faculty

The list shall be forwarded to the principal for approval who makes any necessary changes, approves it and forwards the same to Library for procurement.

The books are received by librarian from the supplier. An inspection activity will be carried out by librarian to check quantity, Title, Author, etc, as per the invoice.

Repairs and maintenance of Computer / Network (LAN) / Projector / UPS / WiFi/ EPABX:

File Description	Documents
Upload any additional information	No File Uploaded
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	
1444	
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	
9	
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	Nil
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	
128	

File Description	Documents
Any additional information	No File Uploaded
Number of students benefited by guidance for competitive examinations and career counseling during the year (Data Template)	View File

5.1.5 - The institution 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	No File Uploaded
Details of student grievances including sexual harassment and ragging cases	No File Uploaded
Upload any additional information	No File Uploaded

5.2 - Student Progression

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

150

File Description	Documents
Self-attested list of students placed	View File
Upload any additional information	No File Uploaded

5.2.2 - Number of outgoing students progressing to higher education

15

File Description	Documents
Upload supporting data for students/alumni	No File Uploaded
Details of students who went for higher education	View File
Any additional information	No File Uploaded

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**

17

File Description	Documents
Upload supporting data for students/alumni	View File
Any additional information	No File Uploaded

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**

0

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

The Institute also encourages participation of student representatives in various decisions making, academic and administrative committees, this enable them in acquiring better academic environment.

Women Grievance Cell:The girl students are part of the committee to address issues on women welfare.

Hostel Committee:They play major role regarding food quality, hygiene and other general facilities. They voluntarily monitor day to day activities and bring to the notice of the warden immediately.

Clubs : The college also has various student clubs like Programming Club, Entrepreneur Club, Sports Club, Literary Club, Cultural Club, Photo and Film Club, Women Empowerment and Grievance Cell. The club activities are regularly held and organized by student representatives.

NSS is also encouraged in the institute enabling the student to participate in service activities like organizing blood donation, rural health & sanitation, adult education, and environmental awareness camps in the neighbouring areas as a social responsibility.

In addition to the above, the students are involved in organizing Technical fest, Cultural fest and National Level Sports Day. Student members of all professional societies and student clubs actively take part in hosting their respective events.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	Nil

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

0

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

Alumni Association is not registered. Every year Alumini meet will be conducted.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional Information	Nil

5.4.2 - Alumni's financial contribution during the year

E. <2 Lakhs

File Description	Documents
Upload any additional information	No File Uploaded

GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 - Institutional Vision and Leadership

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

Vision The Vision of Usha Rama College of Engineering & Technology is to become pioneer Institute in Education and Research. **Mission** The Institute's mission is to confer the best technical education to students with commitment to enable the students to face the challenging environment and cut-throat competition in the global world. URCET focus on research and education as the twin goals of the organization. Faculties are well qualified, motivated and are able to advance with both ideas and technological developments in their fields which would benefit the society and nation as a whole. The Unique Practices at URCET ? Work Study - a unique feature of the institution. ? Usha Rama Innovation and Incubation Center(SPECIAL TEAM) ? Industrial Visits, Case studies, Mini Projects and Modelling. ? Reasoning, Aptitude and soft skills training through TREAT Program - Special Campus Placement Training. ? Self-study based on ICT through NPTEL. ? Psychological Counseling (1:20 ratio). ? The college organizes Annual Day in the month of March/April every year to facilitate Academic toppers with Gold Medals. T ? The college every year celebrates Women?s Day. ? The WEGC (Women Empowerment and Grievance Cell) is very active and organizes special events for girl students.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional Information	Nil

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

The administration is decentralized across the departments and among cadres. The Principal is supported by The Director, Dean Academics and HoD's who look after administration, academic affairs of UG & PG, Industrial Relations & Sponsored Research, Infrastructure & Planning, Placements & Parent Relations, and Student Affairs. Heads of the Departments closely monitor the academic and administrative functioning of their respective branches and keep the Principal updated with relevant information.

File Description	Documents
Upload strategic plan and deployment documents on the website	No File Uploaded
Upload any additional information	No File Uploaded
Paste link for additional Information	Nil

6.2 - Strategy Development and Deployment

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

The College Governing Body, comprising members from the sponsoring Society, AICTE, JNTUK and AP State Technical Education, Industry and eminent Educationalists, conducts at least two meetings in an academic year and discusses various academic issues and developmental activities, problems faced in the past and how to rectify them in the future etc. The developmental activities like extension of a building, providing additional facilities, introduction of new courses, inclusion of new faculty, employing staff, student admissions, etc., are supervised by the management. The management conducts periodical staff meetings to review the quality policy and development of the institution. It also arranges for the confidential evaluation of the teachers and the overall institutional performance by the students, which is perused by the

Principal to take necessary steps towards institutional development. The income and expenditure of the Institution are closely monitored by a Chartered Accountant which in turn is cross verified by the Management. All the permanent staff is permitted to avail leaves like CL, CCL, OD, Maternity Leave and Medical Leave as per Leave Rules and Service Rules of the Institution.

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

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 Governing Body, comprising members from the sponsoring Society, AICTE, JNTUK and AP State Technical Education, Industry and eminent Educationalists, conducts at least two meetings in an academic year and discusses various academic issues and developmental activities, problems faced in the past and how to rectify them in the future etc. The developmental activities like extension of a building, providing additional facilities, introduction of new courses, inclusion of new faculty, employing staff, student admissions, etc., are supervised by the management. The management conducts periodical staff meetings to review the quality policy and development of the institution. It also arranges for the confidential evaluation of the teachers and the overall institutional performance by the students, which is perused by the Principal to take necessary steps towards institutional development. The income and expenditure of the Institution are closely monitored by a Chartered Accountant which in turn is cross verified by the Management. All the permanent staff is permitted to avail leaves like CL, CCL, OD, Maternity Leave and Medical Leave as per Leave Rules and Service Rules of the Institution.

File Description	Documents
Paste link to Organogram on the institution webpage	Nil
Upload any additional information	No File Uploaded
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

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

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

- Employees Provident Fund as per PF rules
- Medical Leave & Maternity leave for eligible staff members
- Transport on reasonable cost.
- Employee gets fees concession for their ward.
- As Institution has a multicultural environment in the campus, the Management ensures the celebration of all the festivals together.
- Internet and free Wi-Fi facilities are also available in campus for staff
- Teaching and Non-Teaching Staff Club organizes tour, and sports activities for the staff.
- 15 days - Summer Vacations for faculty members
- Faculty development programs(FDP) for faculty members on regular basis
- Skill development courses are organized for non- teaching

staff to enhance their skills in work environment.

- Automation of attendance and leave using biometric system.
- The management also extends financial assistance to the needy students for pursuing higher education in our institution as per the requirement.
- All the staff members are treated on par with each other in obtaining benefits from the institution.
- Worker Engagement is a key perspective which helps to comprehend and portray, both subjectively and quantitatively, the nature of the connection between an association and its representatives.
- Women Empowerment Cell is established for creating venues for women members to flourish and gain momentum.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	Nil

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

0

File Description	Documents
Upload any additional information	No File Uploaded
Details of teachers provided with financial support to attend conference, workshops etc during the year (Data Template)	View File

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

0

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

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.)

45

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

6.4 - Financial Management and Resource Mobilization

6.4.1 - Institution conducts internal and external financial audits regularly

The Institution has established a mechanism for conducting internal and external audits on the financial transactions every year to ensure financial compliance. Internal audit is conducted half yearly by the internal financial committee of the institution. The committee thoroughly verifies the income and expenditure details and the compliance report. External audit is conducted once in every year by an external agency. The mechanisms used to monitor effective and efficient use of financial resources are as below: ? Before the commencement of every financial year, principal submits a proposal on budget allocation, by considering the recommendations made by the heads of all the departments, to the management. College budget includes recurring expenses such as salary, electricity, internet charges, maintenance cost, stationery, other consumable charges etc., and non - recurring expenses like lab equipment purchases, furniture and other development expenses. ? The expenses will be monitored by the accounts department as per the budget allocated by the management. ? The depreciation costs of various things purchased in the preceding years are also worked out..

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	Nil

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)

0

File Description	Documents
Annual statements of accounts	No File Uploaded
Details of funds / grants received from non-government bodies, individuals, philanthropists during the year	View File
Any additional information	No File Uploaded

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

- Finance has never been a constraint neither in the past nor in the present.
- No developmental activity in the campus has ever been delayed for want of funds.
- The sponsoring society has been extending all the necessary financial support to the institution since its inception.
- Present financial position enables us to take up any developmental activity that is required.

File Description	Documents
Upload any additional information	No File Uploaded
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 IQAC ensures that the college maintains a consistent good academic record.
- The IQAC monitors teaching and student performance for proper improvement of academic standards. Feedback is regularly taken to facilitate the process. The
- IQAC offers suggestions for development of intellectual property, language skills, the teaching learning process and infrastructure and in many other fields related to the college.
 - The IQAC ensures a regular attendance of students and teachers round the year. The IQAC inspects and tries to improve the maintenance of college infrastructure. The IQAC ensures that students grasp over all areas of curriculum through periodical assessments.
 - The teachers are encouraged to
- participate in Research, Seminars, Workshop and FDP etc. for the upgradation of knowledge base. The IQAC regulates the processing of career advancement scheme of the teachers. All teachers are encouraged to take part actively in research work.
- They are encouraged to send proposals for major and minor research projects of
- UGC, DIST etc. • Departments are encouraged to regularly hold Tutorial and special classes to address the specific needs of students. The IQAC regulates the arrangements for holding seminars, workshops etc. by individual departments to
- upgrade the knowledge base of the students. Faculty Students are encouraged to undergo NPTEL Online courses and attend for the exams

File Description	Documents
Upload any additional information	No File Uploaded
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

IQAC monitors the teaching learning process regularly through their organizing committee members. All the Head of the departments are the members of it. IQAC conducts meeting every year to check the learning process, structures & methodologies of operations and learning outcomes. These annual meetings are intended to check the

overall result analysis and to check the planned goals and achievements of IQAC. • In every tri quarterly meeting of IQAC few decisions and modifications will be taken in the regular process. • Every department conducts workshops, training programs and guest lecturers periodically addressed by the eminent persons from Industry, Academic and Research Institutions. Eminent experts of National reputed people are invited from academia/organization/industries for seminars and conferences related to the subjects in course curriculum , basic practical , hands on experience fundamental and advance topics as planned in the IQAC. • As part of the closure of teaching learning process the content delivered for the respective subjects along with evaluation outputs are summed up as course files and are made available in the Departments. • Class Teachers, Class Representatives, HoDs and Staff meetings are conducted periodically to review teaching and learning process.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	Nil

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)

A. Any 4 or all of the above

File Description	Documents
Paste the web link of annual reports of the Institution	www.usharama.edu.in
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**

Usha Rama College of Engineering and Technology sensitizes students and employees regarding gender equity and takes the social responsibility of reacting to the events happened in the society by various activities. The institute promotes gender equity in admissions, recruitment, administrative functionality and academic activities.

- Separate NSS unit is started exclusively to encourage the girl students and the unit is successfully conducting various activities to serve the society.
- Girls waiting halls are provided in each block in the campus with required facilities. Two girl's hostels are provided with gym facility and dispensary with lady doctor and a nurse.
- Separate space is provided for girls in the central library and the college canteen to avoid inconvenience.
- During orientation programs and other events, awareness is created on gender equity among the students. Boys are sensitized to participate in Rangoli competitions or to respond to Nirbhaya and Disha incidents.
- The institute celebrates Women's day in a grand manner and presents success stories of famous women to inspire the girl students and to make them understand their potential.
- WEGCis organising various events including guest lectures to empower and support young minds in achieving their goals.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional Information	Nil

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

C. Any 2 of the above

File Description	Documents
Geotagged Photographs	No File Uploaded
Any other relevant information	No File Uploaded

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

Solid waste management

1. Liquid waste management
2. Biomedical waste management

Usha Rama College of engineering and Technology has designed methods for the management of waste generated in the campus using the basic waste management strategy of 3R's: Reduce, Reuse and Recycle i.e., Reduce the amount of waste generated, Reuse everything to its maximum after proper segregation and cleaning and keeping things which can be Recycled aside and handed over to appropriate agencies.

The waste generated is classified into the following types:

1. Solid waste Management

The non-biodegradable solid waste generated in the campus include, paper, plastics, metal cans etc. Biodegradable waste includes food waste, vegetable peels, leaves etc.

2. Liquid waste Management

Liquid waste that is generated in the institute falls into three following categories.

1. Septic tank effluents from various sanitary blocks, water used for washing and cleaning of utensils etc. from canteen
2. Wastewater from RO plant

Waste water generated from the laboratories is very small in quantity; hence they are handled along with septic sewage.

RO plant wastewater is diluted with canteen wastewater and used for gardening, watering trees etc.

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

B. Any 3 of the above

File Description	Documents
Geotagged photographs / videos of the facilities	No File Uploaded
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	No File Uploaded
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

<p>7.1.6.1 - The institution's initiatives to preserve and improve the environment and harness energy are confirmed through the following:</p> <ol style="list-style-type: none"> 1. Green audit 2. Energy audit 3. Environment audit 4. Clean and green campus recognitions/awards 5. Beyond the campus environmental promotional activities 	<p>A. Any 4 or all of the above</p>										
<table border="1"> <thead> <tr> <th data-bbox="86 698 550 757">File Description</th> <th data-bbox="557 698 1471 757">Documents</th> </tr> </thead> <tbody> <tr> <td data-bbox="86 766 550 898">Reports on environment and energy audits submitted by the auditing agency</td> <td data-bbox="557 766 1471 898" style="text-align: center;">No File Uploaded</td> </tr> <tr> <td data-bbox="86 907 550 1003">Certification by the auditing agency</td> <td data-bbox="557 907 1471 1003" style="text-align: center;">No File Uploaded</td> </tr> <tr> <td data-bbox="86 1012 550 1108">Certificates of the awards received</td> <td data-bbox="557 1012 1471 1108" style="text-align: center;">No File Uploaded</td> </tr> <tr> <td data-bbox="86 1117 550 1171">Any other relevant information</td> <td data-bbox="557 1117 1471 1171" style="text-align: center;">No File Uploaded</td> </tr> </tbody> </table>	File Description	Documents	Reports on environment and energy audits submitted by the auditing agency	No File Uploaded	Certification by the auditing agency	No File Uploaded	Certificates of the awards received	No File Uploaded	Any other relevant information	No File Uploaded	<p>B. Any 3 of the above</p>
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Any other relevant information	No File Uploaded										
<p>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 reading materials, screen reading, etc.</p>											

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).

Usha Rama College of engineering and Technology is always at the forefront of inviting diversity, eradicate stereotypes, enhance self-esteem, encourage students to have a voice and demand educational achievement.

Along with curriculum, additional communication and soft skills classes are conducted to make the students from different backgrounds communicate effectively.

Antiragging cell, Grievance Redressal cell and WEGCaims at social protection, ensuring tolerance and harmony, reducing vulnerability, building human capital, empowering women and girls, cultural, regional inclusion.

Industrial visits expose students to the practical challenges and also make the students from different backgrounds adapt to one another to create a tolerance and harmony in the organization.

NSS activities of our institution mitigate the socioeconomic diversities and progress them towards leading to a tolerant and harmonious living.

Cultural and Literary Club, through various clubs organizes plays, skits, competitions and invited lectures, educates the students and makes them aware of their social responsibilities and understand the implications of their actions.

Central Library has a facility to issue books from Book Bank to students belonging to SC/ST communities supplied by the social welfare department for upliftment of the SC/ST students.

File Description	Documents
Supporting documents on the information provided (as reflected in the administrative and academic activities of the Institution)	No File Uploaded
<p>7.1.9 - Sensitization of students and employees of the institution to constitutional obligations: values, rights, duties and responsibilities of citizens:</p> <p>Usha Rama College of engineering and Technology sensitizes the students and the employees of the institution to the constitutional obligations about values, rights, duties and responsibilities of citizens which enables them to conduct as a responsible citizen.</p> <p>The institute hoists the flag during national festivals and invites eminent persons to inspire students and staff by informing the qualities of freedom fighters and to emphasize the duties and responsibilities of citizens.</p> <p>The college curriculum is framed with mandatory courses like Professional ethics and human values, Constitution of India, Essence of Indian Traditional Knowledge, three weeks Orientation Program as a small step to inculcate constitutional obligations among the students.</p> <p>The institute organized awareness program on "Traffic rules" by traffic Transport Authority is invited to give guidelines to students on road safety and to emphasize their responsibility of following rules.</p> <p>NSS Unit of our institution has the affinity for Philanthropic initiatives which include donation of time or resources to government, charities and organizations at local, national levels to help victims during natural disasters.</p> <p>Every day National Anthem is being played through campus PA System. The Campus has unique feature of 100 ft height National Flag.</p>	
File Description	Documents
Details of activities that inculcate values necessary to transform students into responsible citizens	No File Uploaded
Any other relevant information	No File Uploaded

<p>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</p>	<p>C. Any 2 of the above</p>
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File Description	Documents
Code of Ethics - policy document	No File Uploaded
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	No File Uploaded
Any other relevant information	No File Uploaded

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

The college conducts a 2-Day Nationallevel Technical and Cultural symposium "yoUR fest" every year in the month ofJanuary, in which the students from other colleges across the nation willparticipate in technical and cultural events. Every Department conducts eventslike Paper Presenta tion, technical quiz, poster presentation and project expo. • Engineer-ka- Mahasangram is a flag ship event of "yoUR fest" which carries a cash prize of 1 Lakh. The college conducts intra-mural sports meet every yearto encourage overall development of students and staff. The winners are suitably rewarded on "Sports Day". The college every year organizes and celebrates Engineers Day and Teachers Day. Every day National Anthem is beingplayed through campus PA System. The Campus has unique feature of 100 ft heightNational Flag.

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File Description	Documents
Annual report of the celebrations and commemorative events for during the year	No File Uploaded
Geotagged photographs of some of the events	No File Uploaded
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

The Unique Practices at URCET are: Work Study - a unique feature of the institution. Usha Rama Innovation and Incubation Center -URIIC-(SPECIAL TEAM) Industrial Visits, Case studies, Mini Projects and Modeling. Reasoning, Aptitude and soft-skills training through TREAT Program- Special Campus Placement Training. Self-study based on ICT through NPTEL. Psychological Counseling (1:20 ratio) where every student is counseled regularly about his academics, progress and future plans. Quality enhancement in engineering education through active industry relations and offerings like IBM Career Education Program, APSSDC, ORL Industries. The college conducts a 2-Day National level Technical and Cultural symposium "yoUR fest" every year in the month of January, in which the students from other colleges across the nation will participate in technical and cultural events. Every Department conducts events like Paper Presentation, technical quiz, poster presentation and project expo.

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File Description	Documents
Best practices in the Institutional website	www.usharama.edu.in
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)

1. to imbibe technical and industry ready skills to the rural students, the college has MOU with different organizations.
2. to promote research and innovative thoughts the institute has self funded URIIC which is responsible for bringing out innovative projects.

File Description	Documents
Appropriate link in the institutional website	www.usharama.edu.in
Any other relevant information	No File Uploaded

7.3.2 - Plan of action for the next academic year

1. To go for NBA Accreditation.
2. To improve research facilities.
3. Motivate faculty to get funded research projects.
4. To have more MoUs with industry.
6. To improve training and placement activities
7. Encourage faculty to publish their research articles in SCI/Scopus journals