YEARLY STATUS REPORT - 2020-2021

Part A	
Data of the Institution	
1.Name of the Institution	Kamaraj College of Engineering and Technology
• Name of the Head of the institution	Dr. Senthil S
• Designation	Principal-in-Charge
• Does the institution function from its own campus?	Yes
• Phone No. of the Principal	04549278171
• Alternate phone No.	04549278171
• Mobile No. (Principal)	9894471176
• Registered e-mail ID (Principal)	principal@kamarajengg.edu.in
• Address	S. P. G. C. Nagar, K. Vellakulam, Near Virudhunagar
• City/Town	Madurai
• State/UT	Tamilnadu
• Pin Code	625701
2.Institutional status	
• Autonomous Status (Provide the date of conferment of Autonomy)	26/09/2019
• Type of Institution	Co-education
• Location	Rural

• Financial Status	**Self-financing**
• Name of the IQAC Co-ordinator/Director	**Dr. Ganesh Moorthy I**
• Phone No.	**04549278171**
• Mobile No:	**9894746710**
• IQAC e-mail ID	**iqac@kamarajengg.edu.in**
3.Website address (Web link of the AQAR (Previous Academic Year)	http://kamarajengg.edu.in/docs/AQAR-2019-2020.pdf
4.Was the Academic Calendar prepared for that year?	**Yes**
• if yes, whether it is uploaded in the Institutional website Web link:	http://www.kamarajengg.edu.in/academicschedule

5.Accreditation Details

Cycle	Grade	CGPA	Year of Accreditation	Validity from	Validity to
Cycle 1	**A**	**3.03**	**2015**	**14/09/2015**	**30/09/2020**
Cycle 2	**A**	**3.03**	**2020**	**01/10/2020**	**31/12/2025**

6.Date of Establishment of IQAC	**20/10/2015**

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.)?

Institution/ Department/Faculty/School	Scheme	Funding Agency	Year of Award with Duration	Amount
EEE	**RPS**	**AICTE**	**22/11/2019**	**150000**
EEE	**Start-up Research Grant**	**DST**	**20/01/2020**	**2864400**

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	1
• Were the minutes of IQAC meeting(s) and compliance to the decisions taken uploaded on the institutional website?	Yes

• 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
• If yes, mention the amount	

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

Strategies have been made for implementing autonomy in the institution Feedback formats introduced for collecting feedback on curriculum from stakeholders Implementation of NEP in Regulations 2021 framed recently .

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
Preparation for the formation of Academic council, Board of Studies of various departments	All the statutory bodies are convened and regular meetings conducted
Preparation for the framing of autonomous regulations KCET R 2020	Successfully implemented our first own curriculum and regulations R2020
Preparation for NBA accreditation for the programmes BE (Mechatronics Engineering) and BTech (Information Technology)	The programmes BE (Mechatronics Engineering) and BTech (Information Technology) were accredited for three years (upto 2024)
Motivation of the members of faculty to attend FDPs, NPTEL courses etc for self development	The institution conducted around 9 sponsored FDPs and STTPs with support from AICTE.

13.Was the AQAR placed before the statutory body?	**Yes**
• Name of the statutory body	

Name of the statutory body	Date of meeting(s)
Academic Council	**27/11/2021**

14.Was the institutional data submitted to AISHE ?	**Yes**
• Year	

Year	Date of Submission
26/02/2022	**26/02/2022**

Extended Profile

1.Programme

1.1   **17**

Number of programmes offered during the year:

File Description	Documents
Institutional Data in Prescribed Format	[View File](#)

2.Student

2.1   **2196**

Total number of students during the year:

File Description	Documents
Institutional data in Prescribed format	[View File](#)

2.2   **783**

Number of outgoing / final year students during the year:

File Description	Documents
Institutional Data in Prescribed Format	[View File]()

2.3   **2241**

Number of students who appeared for the examinations conducted
by the institution during the year:

File Description	Documents
Institutional Data in Prescribed Format	[View File]()

3.Academic

3.1   **637**

Number of courses in all programmes during the year:

File Description	Documents
Institutional Data in Prescribed Format	[View File]()

3.2   **179**

Number of full-time teachers during the year:

Extended Profile

1.Programme

1.1	**17**
Number of programmes offered during the year:	

File Description	Documents
Institutional Data in Prescribed Format	View File

2.Student

2.1	**2196**
Total number of students during the year:	

File Description	Documents
Institutional data in Prescribed format	View File

2.2	**783**
Number of outgoing / final year students during the year:	

File Description	Documents
Institutional Data in Prescribed Format	View File

2.3	**2241**
Number of students who appeared for the examinations conducted by the institution during the year:	

File Description	Documents
Institutional Data in Prescribed Format	View File

3.Academic

3.1	**637**
Number of courses in all programmes during the year:	

File Description	Documents
Institutional Data in Prescribed Format	View File

3.2	**179**
Number of full-time teachers during the year:	

File Description	Documents
Institutional Data in Prescribed Format	[View File](#)

3.3	**187**
Number of sanctioned posts for the year:	

4.Institution	
4.1	**636**
Number of seats earmarked for reserved categories as per GOI/State Government during the year:	
4.2	**78**
Total number of Classrooms and Seminar halls	
4.3	**1434**
Total number of computers on campus for academic purposes	
4.4	**4,19,53,159/-**
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.

Our institution has been granted autonomous status on 2019 for a period of ten years. As a result, fromthe academic year 2020-2021, a new curriculum and syllabus was developed and implemented. With relevance to local, national, regional, and global developmental needs the courses were developed and implemented. To meet the needs of industry and many areas of regional and global development, the curriculum was developed according to AICTE

regulatory norms, recommendations from the governing body, and academic council of the institution.

The Programme Specific Outcomes (PSOs), courses given in each programme, their content, course outcomes (COs), and mapping COs with POs and PSOs are all framed by domain experts and domain course in-charges assigned by the relevant programme head and programme coordinator. The BoS committee comprises of internal faculty, academicians from reputed institution, expert from industry and alumni. The Board of Studies (BoS) committee of the relevant programme analyse the PSOs, courses, and their applicability to meet the demands at various levels before approving them. Every semester, a meeting will be held to make course revisions as needed, based on the feedback from stakeholders. The BoS meeting minutes of various programmes are presented for approval in the academic council meeting.

File Description	Documents
Upload additional information, if any	View File
Link for additional information	Nil

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

0

File Description	Documents
Minutes of relevant Academic Council/BOS meeting	No File Uploaded
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

52

File Description	Documents
Curriculum / Syllabus of such courses	View File
Minutes of the Boards of Studies/ Academic Council meetings with approval for these courses	**No File Uploaded**
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

5

File Description	Documents
Minutes of relevant Academic Council/BoS meetings	**No File Uploaded**
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

17

File Description	Documents
Minutes of relevant Academic Council/BoS meetings	**No File Uploaded**
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

In our Institution, equal chances are offered irrespective of the

gender of our student community. Both boys and girls are given equal importance in terms of admissions, placement training, curricular, extra-curricular and co-curricular activities. Hence, gender based issues will not emerge.

Currently we follow the autonomous regulation 2020. The institution strives its level best to integrate the cross cutting issues through curriculum.

Through Choice Based Credit System (CBCS) the students shal lundergo any one course related to ethics or gender or human values or environment and sustainability, as a core or as an elective course.

Awareness programmes, camps, rallies etc are organized through NCC and NSS schemes. Tree plantation is done around the campus and nearby villages periodically by the gardening club and NSS in view of environment and sustainability.

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

5

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	No File Uploaded

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

716

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

1083

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 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	http://www.kamarajengg.edu.in/NAAC22/AQAR/cr1/1.4.1.pdf
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	C. Feedback collected and analysed

File Description	Documents
Provide URL for stakeholders' feedback report	http://www.kamarajengg.edu.in/NAAC22/AQAR/cr1/1.4.2.pdf
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

410

File Description	Documents
Any additional information	View File
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)

235

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.

In our institution, faculty members are assigned with responsibility as mentor and each mentor will have an average of 13 to 15 students. The students are continuously evaluated through internal assessment and their performance is continuously monitored through the interaction in classroom & laboratory. Once the slow learners and advanced learners are identified through the continuous assessment and monitoring, various support systems are provided for the differentlevel of learners by our institution.

Methodologies to support Advanced Learners:

- Advanced learners are encouraged to participate in national level competitions like Hackathon.
- Students get more exposure on technical aspects, higher studies, Technopreneur Skills through PALS programme.
- Students are encouraged to clear national level exams like

GATE, and TANCET which increases the cognitive level of the students.

- **Students are motivated to do self-learning.**

Methodologies to support slow learners:

- **Mentors closely monitor the academic progress of the students and support them in improving their performance.**
- **Activity based content delivery is adopted during the lecture for better understanding of concepts.**
- **Remedial classes and Arrear coaching are given to the slow learners in order to support their graduation within the stipulated time.**

File Description	Documents
Upload any additional information	View File
Paste link for additional information	http://www.kamarajengg.edu.in/NAAC22/AQAR/cr2/2.2.1.pdf

2.2.2 - Student – Teacher (full-time) ratio

Year	Number of Students	Number of Teachers
01/06/2020	2196	179

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:

The institution ensures the use of student centric methodology such as experiential, participative learning and problem solving methodologies in teaching-learning process. This enables the students to be active participants rather than being passive listeners. The learning becomes more experiential, participatory and socialistic by organizing activities like group seminars, quizzes and assignments

a) Experiential Learning:

The institution imparts the following experiential learning practices to enhance creativity and cognitive levels of the students

- Students are encouraged to take up innovative projects and mini projects.
- NPTEL courses encourages experiential learning by involving both teachers and students to learn together.

- Professional chapters like ISTE helps to improve the learning skills of the students.

- Internship helps the students to work in industry projects.

b) Participative Learning:

Students participate in various activities such as

- Seminars
- Guest Lectures
- Conferences
- Group Activity

c) Problem Solving Methodologies

- Students develop mini projects beyond the curriculum.
- Students implement real time projects and participate in technical contests in order to improve critical thinking, creativity and problem solving skills.
- Case studies, aptitude and logical training are provided to students to enrich their problem-solving skills.
- Students solve their lab exercises through E-Box.

File Description	Documents
Upload any additional information	[View File](#)
Link for additional Information	http://www.kamarajengg.edu.in/NAAC22/AQAR/cr2/2.3.1.pdf

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

The institution continuously encourages modern innovative ICT-enabled tools in all aspects of the curriculum. The ICT-enabled

tools promote student engagement and enhance the learning ability of students. Thereby it forges a new path of teaching excellence thus contributing to quality education.

All the classrooms are well equipped with LCD projectors to deliver interactive lectures and demonstrations through animations, powerpoint presentations and videos. Campus is enabled with Wi-Fi internet facility with 155 Mbps bandwidth. This allows the students to enrich their knowledge and skills by exploring online platforms. The institution has a state of art digital library, well equipped with e-books and subscribed e-journals which serve as a knowledge resource centre.

a. ICT based Teaching Methodologies :

The following ICT Tools were used.

MS Teams

White board Tutorial point

Driodcam

8085 simulator App

NPTEL lectures

Slide share

Google classroom

Programiz

Blender

Weka

ZoomIt

Python visualizer

Bingo

b. ICT in Assessment Methods

Quiz Platforms

Kahoot

Outlook, Google Forms

Easy Test Maker

Interactive Assessments

Polly

Google classroom

Canvas

Quizziz

Easy test maker

Proprofs Quiz

Edmodo

Designing Posters/Charts

Canva

Padlet

Lab exercises

IIT Virtual Lab

E-Box

Lab View

MATLAB

8051 Neutrino virtual lab

Group Discussion

Online Discussion

Think Pair Share

Picture free writing

Innovative Class Games

Puzzles

Educaplay

Role play

File Description	Documents
Provide link for webpage describing ICT enabled tools including online resources for effective teaching and learning process	http://www.kamarajengg.edu.in/NAAC22/AQAR/cr2/2.3.2.pdf
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

179

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

Before the commencement of every academic year, the Institution prepares and publishes 'Academic Calendar' for all the programs. It is made known to the stakeholders through the Institution website. The Academic Calendar includes the details of various events to be organized, Examination schedules and holidays, etc. Every semester, Dean (Academic Courses)releases "Calendar for Academic Activities" duly approved by the Principal. Calendar for academic activities includes the details of various academic activities, tentative internal assessment schedules and the number of working days.

Faculty members prepare the course file as per the format prepared

by Internal Quality Assurance Cell of the Institution. The course file comprises of syllabus, teaching plans, detailed course information with course outcomes, lecture notes, presentations, model question papers and sample assignments. To check for compliance with the set standards, the course files are verified by the Head of the Department at the beginning of the semester and during the semester regularly. At the end of every academic year, the institution conducts academic audit to check for the adherence to the academic calendar and teaching plans.

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

179

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	View File

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

69

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	View File

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

1671

File Description	Documents
List of teachers including their PAN, designation, Department and details of their experience	View File
Any additional information	View File

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

6

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

Examination procedures

All theory courses, practical courses and project work are evaluated for a maximum of 100 marks. Performance in each course of study is evaluated based on:

i) Continuous Internal Assessment System

ii) End Semester Examination

The institute has Examination Cell headed by the Controller of Examination for smooth conduct of internal and end semester examinations.

Processes integrating IT

Continuous internal assessment comprises of three cycle tests of Multiple Choice Questions (MCQ) pattern and three assignments. Continuous Internal Assessment for theory courses are conducted through Microsoft Teams.

End semester Theory Examinations

The end semester theory examinations of MCQs are conducted through HireMee platform.

HireMee (Image Proctored) is used for conducting examination in online mode

End semester Laboratory Examinations

The end semester laboratory examinations are conducted in video proctored mode through Microsoft Teams. Students turn on their camera for the entire duration of the examination. A faculty member is assigned as squad member for each practical course to ensure the smooth conduct of the examinations.

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

- **Institution has stated the programme outcomes as described by NBA for all the programmes. Programme specific outcomes are framed by the concerned department and approved by Programme Assessment Committee (PAC).**
- **Course outcomes of each courseare framed by the subject experts and are approved by the head of the concerned**

- department.
  - ○ After Autonomous, Regulation 2020 (R2020) curriculum and syllabus are framed by the Institution. All the courses are grouped into various domains and the faculty members in each domain frame the course outcomes. Course Outcomes are approved by the subject expert and the Head of the Department. The syllabus along with the course outcomes are presented in the Board of Studies (BoS) meetings. The suggestions and modifications given by the BoS members are incorporated in the syllabus.
  - ○ The course outcomes are disseminated to the students through
    - ○ Course introduction class by the course instructor
    - ○ Course plans
    - ○ Lab manuals/Records
    - ○ Project reports
    - ○ Internal examination question papers
    - ○ PAC meeting
  - ○ Programme outcomes and programme specific outcomes are disseminated to the teachers and students through

  - Institution Website
  - Displays in Departments
  - Displays in Laboratories
  - Lab manuals/Records
  - Parents Teachers meetings

File Description	Documents
Upload COs for all courses (exemplars from the Glossary)	View File
Upload any additional information	View File
Link for additional Information	Nil

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

- ○ Program Outcome and Course Outcome are evaluated using the in-house tool (copyrighted excel sheet-Reg No: SW13027/2019) developed by our faculty members.
- ○ Attainment levels of the programme outcomes and course outcomes of the courses are calculated for both R2017 and R2020

The Institution ensures the attainment of COs-POs-PSOs through the following assessment:

S.No.	Direct Assessment Assessment tools	Evaluation methods
1	Cycle tests	Periodical online mode of MCQs based tests are conducted as per academic calendar.
2	Assignments	1. Tutorial problems 2. Seminar presentation
3	Laboratory exercises	1. Through the rubrics 2. Model examinations
4	Mini and main projects	Through the rubrics for periodical project reviews
5	End semester examinations	Evaluating the end semester examination results

S.No

Indirect Assessment

Assessment tools

Evaluation methods

1

Co-curricular activities

1. Project Competition
2. Conference presentation
3. Symposium presentation/Achievement
4. Inplant training/Internships

2

Graduate exit survey

Exit feedback from the students at the time of completion of the programme.

3

Student feedback

Feedbacks are collected for all the subjects at the start and end of every semester

File Description	Documents
Upload any additional information	[View File](#)
Paste link for additional Information	http://www.kamarajengg.edu.in/NAAC22/AQAR/cr2/2.6.2.pdf

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

765

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

http://www.kamarajengg.edu.in/NAAC22/AQAR/cr2/2.7.1.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

Kamaraj College of Engineering and Technology has a well-defined policy for promoting research. The research policy is available in the Human Resource Manual (HR Manual) of the institute (section 2.22 & 5.8) and it is approved in the governing council meeting. The main highlights of research policy are as follows: 1) Cash incentive for publishing in refereed National/International SCI Journals. 2) Three increments for the faculty members those who have Patent. 3) An incentive of 3% of the fund released in that financial year to the Principal Investigator and 1.5% for all the other Co investigators from the institute overhead charges received from the funding agency will be given. 4) One full day per month is allowed for discussion with the Ph. D Supervisor. 5) Paid leave for the preparation of synopsis, submission of the thesis, and Viva is allowed to a maximum period of 30 days. 6) Two half days per week is permitted during the course work period or One full day per week is permitted if staff guide's work place is more than 60 km from our institution during the course work period.

In order to strengthen the research profile of the Institute, our institute has established a research forum in which faculty members from each department act as members and it is led by Dean Research. The faculty members are encouraged to undertake

sponsored research and consultancy projects. Our institute supports research by providing research lab/facility in each department and the faculty can utilize after working hours also. Institute supports faculty member's research by providing accommodation and food if required.

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	http://www.kamarajengg.edu.in/Research_Policy.php
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

2

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	**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)

31.199

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

8

File Description	Documents
Upload any additional information	View File
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

35

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

2

File Description	Documents
Supporting document from Funding Agencies	View File
Paste link to funding agencies' website	http://www.kamarajengg.edu.in/NAAC22/AQAR/cr3/3.2.4_fa.pdf
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.

Kamaraj college of Engineering and Technology has seven dedicated research centres with advanced instruments to promote research activities. These centres have also received substantial funding from DST-SERB, DBT, DRDO, etc. It has a Research Forum that supports interdisciplinary research, encouraging faculty members to conduct research and publish papers in reputed journals. As an outcome of the research, three faculty members from MECH and EEE have been listed by Elsevier BV, Stanford University, as top 2% scientists worldwide as well as patent being granted and copyrights being filed.

The Entrepreneurship Development Cell has initiated various activities aimed at enhancing the career of students through self-employment, start-up initiatives, collaborations with industries, and invitation ofeminent personalities from industries to seminars and workshops.

Our Industry Institute Interaction Cell provides closer links with

industry.The exposure of faculty members to the industrial sector is helpful in guiding students on latest industrial practices. The institute also has a Prototype cum production centre to kindle students' innovative thinking and facilitates fabrication of working models. Through the prototype centre some working models were completed for Industries.

Therefore, the institution has created an ecosystem for innovation and initiatives for creation and transfer of knowledge.

File Description	Documents
Upload any additional information	[View File](#)
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

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	C. Any 2 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	**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

11

File Description	Documents
URL to the research page on HEI website	http://www.kamarajengg.edu.in/NAAC22/AQAR/cr3/3.4.2.pdf
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

0.92

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

16

File Description	Documents
Upload any additional information	View File
Paste link for additional information	http://www.kamarajengg.edu.in/NAAC22/AQAR/cr3/3.4.4.pdf

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

1130

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

18

File Description	Documents
Bibiliometrics 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)

0.79250

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	View File

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

A strong contingent of one NSS Unit with 100 volunteers, a company of NCC Cadets comprising 52 Cadets and different service channels such as Youth Red Cross, Rotaract Club, Red Ribbon Club, Gardening Club conducted activities during last year aimed for the empowerment of nearby villages. The beneficiaries of these activities are people of the villages such as Kallikudi, Chatarediyapatti, Chinnamooppanpatti, Maittanpatti, K.Vellakulam, Nallamanaickenpatti, Kallupatti, Sengundrapuram etc., The majority of the awareness programmes were undertaken online due to the COVID pandemic. Various public awareness programmes such as COVID awareness, Anti-corruption, Anti-drug awareness rally, Health-

related webinars such as "Physiatrics for Women's Health" and "Affiche on Vaccination Against Viruses" were held to inform the public about the value of good health and the importance of vaccination against the rapidly growing COVID. A public awareness campaign on "Cyber Security and Mobile Addiction" was held to highlight the dangers of prolonged mobile phone use and its implications in daily life. The college contributes holistic development of students including empathy, kindness, love, honesty, hard work, mutual respect for others, co-operation, compassion, forgiveness, etc. and uplifting the nearby needy people to improve their standard of living for a dignified life.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	http://www.kamarajengg.edu.in/NAAC22/AQAR/cr3/3.6.3.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

5

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	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)

25

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

163

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

214

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)

7

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	**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.

FACILITIES FOR TEACHING LEARNING

The institute has enough classrooms to accommodate the teaching needs as per the existing norms laid by UGC. All facilities are

being used to the optimum according to a flexible time table generated. Each classroom in the department is provided with LCD projectors. Class rooms, Tutorial rooms, Laboratories and Workshops constructed as per recommendations given in the handbook of AICTE. Every department has been provided with adequate number of labs required as per curriculum. These labs are sufficient enough to cater to the existing strength of students. The Head of Department of respective department or the concerned faculty chalks out a plan/schedule for optimization of labs by the students. Optimal utilization is ensured by utilizing lab facility in an efficient manner. Along with a main library ten departmental libraries enhance the learning process. The modernized main library has a digital section to access e-journals and video lectures.

HOSTEL FACILITY

Separate Hostel for girls and boys are provided in the college campus.Hostel facilities are earmarked in such a way, that the students can feel homely and pursue their studies.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	http://www.kamarajengg.edu.in/NAAC22/AQAR/cr4/4.1.1.pdf

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

Apart from giving importance to academic activities, the institute is equipped with required recreation facility with the provision of indoor and outdoor game facilities inside the campus. An Indoor Stadium with state-of-the-art infrastructure is constructed at a cost of 5.5.Crores with 21,587 square feet facility with 4 badminton courts laid with synthetic flooring at par with international standards designed to further promote the health and fitness of the students' community. The college teams participate in many local as well as inter-university tournaments. Competitions with local clubs and other institutions are frequently organized to encourage vibrant sports culture. Physical Education hour (one hour per week) is made compulsory for all students to promote interest in sports for the students and yoga training is also offered. Well facilitated playgrounds for outdoor

and indoor games are available inside the campus. On Duties are given to participate in zonal, district and state-level sports meets. A separate gym is available for both boys and girls.

Auditorium/Multipurpose hall of size is located in the second floor of the administrative block can accommodate about 1300 people is used for conducting events like college day, seminars, conferences etc.

Separate gym facilities are available for boys and girls in the sports complex and are operational between 06:30 AM to 07:30 AM and 04:15 PM to 07:00 PM on working days and on weekends, holidays; it is open between 06:00 AM to 10:00 AM and 04:00 PM to 07:00 PM. Gym houses all the necessary equipment to keep fit. Girl's gym spreads over an area of 102.40 square meters and the boy's gym area is 291.14 square meters.

Yoga hall of area 125 square meters located in sports complex is utilized by the students during sports complex working hours to get trained in Yoga and practice.

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

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

69

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)

92.72

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)

Period of Automation: 2012 to Till Date

- **Name of ILMS software – Smart Campus**

- **Nature of automation (fully or partially) – Fully**

- **Version - 2012**

- **Year of Automation - 2012**

With a vision to enhance the reading habit of the student community, Unjha V. Dhanasamy Parimaladevi Library has established in a vast area of 1981.08 sq.m. and it has a seating capacity of 500. The fully automated library is well equipped with modern facilities such as Smart Campus ILMS software. Books, Journals, CD-ROMs, Online Journals, Question banks, Project reports etc. are available here. Video Cameras are placed at strategic points for surveillance. Open Access System is being followed to access the books and journals.

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	**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	**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)

0.19470

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

117

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

Totally 1443 computers are available in our college with the different RAM configurations of 2 GB, 4 GB and 8 GB. The OperatingSystem for the computers are Windows 10 (636 Nos), Cent OS 7 (771 Nos) & ubuntu (36 NoS) All the computers are connected with LAN with the speed of 1000 mbps and provided with internet facility. Total number of LAN connections with in the college is 1820 with 106 LAN switches. The internet speedof 155 mbps was provided through optical fiber cables. College campus provided

with Wi-Fi facilities with the speed of 108 mbps and 300 mbps for accessing both the Internet and Intranet using their personal laptop.

2020 - 2021

No of Computers Purchased

Computers Available: - 1443 No.

Updation in WIFI

Existing Speed:

Mixed environment

Internet Speed

Existing Speed: 85Mbps

Updated Speed: 155 Mbps

Updation Date: 30.10.2019

LAN Connection

No of LAN Connections: 1820

LAN Speed: Gigabit

Updation: 66 points

RAM

RAM Speed: 2GB

Updation in RAM: 4GB - 72 No. of 2GB RAM on 20.08.2018

OS

Updation in OS:

```
Windows 10- 636 No. & Cent 7 - 771 No. & Ubuntu - 36 No.
```

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
2435	1443

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. ?50 Mbps

File Description	Documents
Details of bandwidth available in the Institution	View File
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	D. Any one of the above

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)	No File Uploaded

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)

331.5

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

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 activity is an integral part of the regular activity of this institution. Budget is allotted for maintaining the buildings and equipment. In addition to it, the following are done to monitor the maintenance activity:

- **Annual Stock Taking**
- **Movement Registers to monitor equipments movement inside the college.**
- **Complaint / Servicing Register for Infrastructure maintenance of**
  - **Furniture**
  - **Intercom**
  - **Electrical work**
  - **Building**
  - **Plumbing**
  - **House Keeping**

  - **Log books for monitoring effective usage of the Equipment available in the departments on day to day basis in every department.**
  - **AMC for copier machines, computers etc.**

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

1205

File Description	Documents
Upload self-attested letters with the list of students receiving scholarships	View File
Upload any additional information	View File

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

106

File Description	Documents
Upload any additional information	View File
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	http://www.kamarajengg.edu.in/NAAC22/AQAR/cr5/5.1.3.pdf
Details of capability development and schemes	View File
Any additional information	View File

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

1542

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

C. Any 2 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	View File

5.2 - Student Progression

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

235

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

44

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

23

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

34

File Description	Documents
e-copies of award letters and certificates	View File
Any additional information	View File

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

Taking cognizance of important role of students in different academic and administrative activities, students are nominated as members of various committees.

Academic Bodies

- Class Committee
- Institution Quality Assurance Cell
- Programme Assessment Committee

Class Committee:

The four students from each class will be the member of the Class Committee along with Chairperson and subject handling faculties. The meeting will be arranged once in 15 days. The difficulties in learning, general facilities problem, performance etc. will be discussed. The student representative meeting with the heads of the department will be conducted once in a month to discuss about the academic, co-curricular, extra-curricular, student progress, organizing events for the students and training needed to the students. All the classes representative will meet with the Principal once in a semester.

Internal Quality Assurance Cell:

IQAC has student representatives and they work together to improve and sustain quality in each and every aspect of academic / Co-Curricular and Extra Curricular Activities.

Programme Assessment Committee:

One student from each class will be the member along with department faculty, alumni, industry person etc. They will discuss on Mission, Vision, PEO,PSO framing for the department. They will also involve in discussing on target fixing for each subject, co-curricular and extra-curricular activities

Administrative Bodies

- Anti-Ragging committee
- Hostel student Council Committee
- Complaints cum Redressal Committee Member

Anti-Ragging Committee:

Two Students from the institution will act as a member in the committee. The meeting will be organized once in three months.

Hostel Student Council Committee:

Separate Hostel student Council committee is available for Boys and Girls. Ten Students representatives will present in the committee to discuss the hostel related issues, menu etc. The meetings will be conducted once in three months.

Complaints cum Redressal Committee:

Two Students from each department will be the member of this committee. They will discuss the general grievances and remedial actions need to be taken.

Co-curricular Activities:

- Industry Institute Interaction Cell Member
- Pan IIT Alumni Leadership Series (PALS)

Industry Institute Interaction Cell Member:

Five Students from each class will be the member of this cell. The meeting with Industry person will be organized every Thursday of a week. The students will interact with the industry person. This cell will give guidelines for organizing Industrial Visit, Inplant training and Industrial projects. This cell will also conduct Techno Vision project competition for all the departments to display their final year projects and third year mini projects. The best projects will be awarded.

Pan IIT Alumni Leadership Series (PALS):

Two leaders will be selected and they will assist the Executive Committee members in PALS activity. They will communicate with students' community regarding PALS activity.

File Description	Documents
Upload any additional information	[View File](#)
Paste link for additional information	http://www.kamarajengg.edu.in/NAAC22/AQAR/cr5/5.3.2.pdf

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

3

File Description	Documents
Report of the event	[View File]()
List of sports and cultural events / competitions organised per year	[View File]()
Upload any additional information	[View File]()

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 of the institution is actively involving in activities of the college. It was registered as a trust on the 19th of August 2015 in the name of "Kamaraj College of Engineering and Technology - Alumni Association". As per the bylaws of the trust its' Executive Committee meetings, General Body meetings are periodically conducted. The measures have been taken to connect all the alumni of the college as life members of the association and are having 6000 life members as on date. As a nodal system, it promotes and encourages department level alumni get together. The lectures will be given by our alumni to the students on the industrial expectation and needs. They motivate the students by providing suggestions and tips to clear competitive exams of state and national level. They also recruit our students in their company. The achievements and advancements in the college is notified to all the members through email. This interconnects all the stakeholders of the college and it extends support for the welfare and development of the college. Our alumni contribute in various committees/cells/forums of the institution like IQAC, Board of studies of the Departments, Academic council which reveal the active participation of our alumni in holistic development of the college.

File Description	Documents
Upload any additional information	[View File]()
Paste link for additional Information	http://www.kamarajengg.edu.in/NAAC22/AQAR/cr5/5.4.1.pdf

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

Kamaraj College of Engineering and Technology (Autonomous) is governed by elected members of various Mahamai Tharappus of Virudhunagar, with the vision to make this Institution the unique of its kind in the field of Research and Development activities in this part of world and the mission to impart highly innovative and technical knowledge to the urban and unreachable rural student folks through total quality education. The Secretary leads the administration by who ensures liberal, democratic and barrier free management aided by Deans, Controller of Examination, Heads of the departments, Training and Placement Cell and other committees. Adequate freedom is provided to faculty members to formulate plans for strengthening teaching-learning process, academic advancement, nurturing multifaceted talent in students and encouraging enthusiastic learners to aim for professional competency. Our institution vision reflects in various needs of society through research forum.

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

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

The management of our Institution provides effective academic leadership to the principal by setting goals. The principal involves all faculty members at various levels in participative decision-making process to achieve the goals.

CASE STUDY: Monitoring of Teaching-Learning Process

At the Institutional level, Principal, Dean and Associate Dean of

Academic courses and all HoDs are involved. The principal organizes meeting with Dean-Academic courses, Controller of Examination (COE) and HoDs for structural delegation of authority and responsibilities. The HoD, at program level, is responsible for assigning courses to faculty members based on competency matrix. They ensure follow up of Academic calendar, issued by Dean-academic courses office. The Time-tables are prepared well in advance incorporating curricular/co-curricular/extracurricular activities and circulated. At department level, Program Assessment Committee is responsible for deliberating on attainment of course outcomes and program outcomes. At the class room level, Class Chairperson monitors the academic needs of the students and reports to the HoD. The Mentor system is followed where faculty members mentor students and address all their academic and personal needs for an overall development. For continuous improvement of teaching learning process, feedback taken from all stakeholders on various aspects of academics is taken into account.

File Description	Documents
Upload strategic plan and deployment documents on the website	View File
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 Institution has a well-defined structure for strategic planning and overall management of resources. Targets are set on consultation with stakeholders including faculty members, alumni, management and the industry representatives.

Activity: Progress in Industrial Institute Interaction Activities:

The Industry Institute Interaction Cell (III Cell) has been functioning in the college actively to promote closer interaction between the institution and the industry. The purpose of the cell is to find out the gap between need of the industry and the end product of the institute. The cell is the bridge between the industry, the real world and the institute. The strategic plan and

the deployment activities are uploaded separately. With all the efforts taken towards III Cell activities, Our Institution participated in ARIIA 2021 ranking and Our Institution is adjudged in "Band-Promising" by the Survey. Our Institution is also registered in Institute Innovation Council.

File Description	Documents
Strategic Plan and deployment documents on the website	[View File]()
Paste link for additional information	**Nil**
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.

Our Institution attained autonomous status in 2019 and based on the UGC / AICTE regulations, our institution has the following statutory bodies (Governing body, Academic Council, Board of Studies and Finance Committee) to ensure proper management of academic, financial and general administrative affairs. The Principal is the Academic Head.

The Dean Academics Courses organizes the academic council meeting, board of studies meeting, frames the academic regulations, and communicates the resolutions to the Academic council for approval. The Dean Research monitors the research activities like Intellectual Property Rights (IPR) cell and consultancy projects of the institution. The Controller of Examination constantly reviews the system of examinations in order to enhance the quality of the assessment process. The Head of the Department promotes the departmental activities to achieve the vision and mission of the institution. The administrative office, physical education, estate office, human resources, hostels work under the supervision of general administration through the principal. The Coordinator, Internal Quality Assurance Cell (IQAC) takes measures to sustain standards in curriculum, teaching-learning and evaluation process through feedback mechanism and prepares the Annual Quality Assurance Report of the College every year.

File Description	Documents
Paste link to Organogram on the institution webpage	http://www.kamarajengg.edu.in/organisation_chart
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	View File
Screen shots of user interfaces	View File
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

The institution has an effective welfare measures for teaching and non-teaching staffs both technical as well as mentally strong work force is highly important for any institution. Our Institution is taking high level of care to motivate and enrich the knowledge level of both teaching and supportive staff members.The institution provides opportunity to all the employees to achieve their professional, organizational as well as personal goals. Institution encourages teaching and supportive staff to participate in seminars, workshops, conferences and faculty development programmes for their continuous development. Research activities are motivated through various incentives measure.

The various Welfare Schemes for Teaching Faculty and Non Teaching Faculty members were listed below

1. Financial Welfare Schemes

2. Leave Benefits

3. Academic Benefits for Teaching Faculty

4. Other Benefits

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

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

12

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.)

135

File Description	Documents
Summary of the IQAC report	View File
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

Yes, the accounts of the institution are audited regularly.

The institution follows adequate mechanism of auditing by both Internal and external auditors. During the course of Internal Audit, all required steps are taken to regularize the accounts. The credit balances, documentary evidences wherever inadequate with respect to payments, compliances of TDS., Statutory Formalities, Reconciliation of Student wise balances with the Control Accounts and Bank Reconciliations were documented. External Audit is carried out by the Auditors after 30th June of the subsequent year. External Audit is conducted by the auditors and the final audit report with audit findings are submitted to the College Management. All the details regarding the budget and the audited statement of accounts are uploaded in the college website.

File Description	Documents
Upload any additional information	**No File Uploaded**
Paste link for additional information	http://www.kamarajengg.edu.in/docs/nba/2020-2021.pdf

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)

4510000

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	No File Uploaded

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

The College has an effective mechanism to monitor the use of financial resources. For any requirement for Procuring equipment's or other major items, the requisition is initiated by the Staff member, forwarded by the respective HOD and is approved by the Principal and the Secretary. The institution purchases quality equipment of higher specifications. The quotations are evaluated & a comparative statement is prepared. Suppliers are called for price negotiation. This ensures that the right equipment is purchased at most competitive price. Further, the financial accounts of the institution are subjected to internal and external audit. Internal and External audits are conducted periodically and any discrepancy observed is brought to the notice of the Principal. Budget is prepared well in advance before the start of every academic year and actual expenses incurred during the year are compared with proposed budget. Any major variation is discussed by the principal with concerned HoD.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional Information	http://www.kamarajengg.edu.in/docs/nba/2020-2021.pdf

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 is continuously monitoring and ensuring the quality at all levels of the institution

task as mentioned below:

1. Performance Based Appraisal System (PBAS)
2. Feedback on curriculum
3. IndustryInstitute Interaction Cell (III Cell)
4. Research Forum
5. Framing curriculum based on Industry Expectations

Best Practice 1

Performance Based Appraisal System (PBAS)

A well-structured format is available for performance based appraisal system, which is duly filled by the faculty members at the end of every year. Performance based appraisal form is evaluated by HOD and submitted to Principal for review.

Best Practice 2

Feedback on Curriculum

Feedback questionnaire is prepared by IQAC and explained to the students before filing the feedback form and the students were asked to fill the feedback form. Feedback is collected at the mid and end of the semester.

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

Periodic monitoring carried out through various committees and reports like Class committee and Class representative meetings, Cycle test and Chairperson analysis reports etc.

The class committee meeting, comprising student representatives, class chairperson and all subject handling faculty members, are held periodically where Subject difficulties faced by students, Targets to be achieved in Curricular, Co-Curricular and Extra-Curricular activities and student's academic performance are discussed. The report, prepared as per IQAC format, consisting of

percentage of syllabus completion and other points discussed in the meeting, is submitted to Dean-Academic courses through HoDs periodically. Based on the report, class chairperson takes necessary action to help the students through arrangement of coaching classes, placement training, mentoring etc.

Cycle test question papers, set as per IQAC format, includes Blooms taxonomy knowledge levels. Question paper is verified by subject expert on appropriateness, Course Outcome coverage and knowledge levels. The evaluated answer sheets are also scrutinized by subject expert to assess the fairness of valuation. Cycle Test Analysis Report is submitted to HoD by course instructors. Further, chairpersons submit overall result analysis report to Dean Academic Courses for scrutiny. The Dean (Academic Courses) then discusses the overall performance of the students with individual HoD's and gives suggestions for improvement.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	http://www.kamarajengg.edu.in/NAAC22/AQAR/cr6/6.5.2.pdf

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	http://www.kamarajengg.edu.in/NAAC22/AQAR/cr6/6.5.3-a.pdf
Upload e-copies of accreditations and certification	View File
Upload details of quality assurance initiatives of the institution	View File
Upload any additional information	No File Uploaded

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

Measures initiated by the Institution for the promotion of gender equity

The College is very keen on the desires, aspirations, abilities and professional skills of human resources as men and women, without any discrimination about their gender. Further extensive efforts are taken into account for the communal and artistic factors involved in gender-based exclusion and prejudice in the most diverse spheres of community and personal life.

Committees like Complaints cum Redressal and Anti ragging are established to monitor and address safety, security and social issues of the students. CCTV cameras are installed inside the college premises which provide 24 hours surveillance in order to observe the ongoing activities.The College organizes seminars/special talks on a regular basis in order to endorse social values such as gender equality, gender sensitivity and highlights social problems such as women's safety, dowry issues, women's health etc.,

Mentoring is provided to the students for onehour inevery week in all the departments.Counselling focuses on the problems faced by the students during examinations like fear, lack of concentration, time management and failure. Such students were identified and special counselling was given to them.

Repose room, Rest zone, gym and hostel facilities are available

for both boys and girls with all necessary amenities.

File Description	Documents
Upload any additional information	[View File](#)
Paste link for additional Information	http://www.kamarajengg.edu.in/NAAC22/AQAR/cr7/7.1.1-a.pdf

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

B. Any 3 of the above

File Description	Documents
Geotagged Photographs	[View File](#)
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)

7.1.3 Describe the facilities in the Institution for the management of the following types of degradable and non-degradable waste

Degradable and non- degradable waste bins segregate wastes generated inside campus.

Solid waste management

Food wastes produced from hostel and canteen are approximately 35 kg/day and 27 kg/day respectively is sent to isolated secured dump yard, converting into manure.

- **Stationery wastes produced inside the campus are sold to personnel's concerned for recycling. Sanitary napkin incineratoris available in girlshostel for safe disposal.**

Green waste

Green wastes from trees & plants are collected, filled with soil to produce manure.

Liquid Waste Management

Waste water collected is recycled in Sewage Treatment Plant for gardening purpose.

Biomedical waste management

- Microbes (Non-Pathogenic) in agar medium are properly decontaminated at 120°C for 20 minutes in autoclave, collected in bins and sent to dumpyard. Fumigation is done periodically in Bio-technology laboratories to curb microorganisms' growth.
- Dispensary wastes are incinerated; non-degradable wastes from chemical laboratories are collected and discarded safely and no hazardous wastes are produced.

E-Waste Management

E-waste collected from our institution is sent for recycling and reuse.

Hazardous chemicals and radioactive waste management

We don't use isotopes because of restrictions to use radioactive products.

File Description	Documents
Relevant documents like agreements/MoUs with Government and other approved agencies	No File Uploaded
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	View File
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**

D. Any 1 of the above

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

7.1.7 - The Institution has 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.	**A. Any 4 or all of the above**

File Description	Documents
Geotagged photographs / videos of facilities	View File
Policy documents and brochures on the support to be provided	View File
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).

Institutional efforts/initiatives in providing an inclusive environment/Cultural and Socioeconomic Diversity

Diversity in college campus enriches the experience in various ways. Our college manifests a mixed ethnic community area where multiple culture and tradition exists.

- Based on that in the past five years Kamaraj College of Engineering and Technology has admitted students from all the religion.
- Similarly, faculty members also belong to different religions.
- Special privilege has been given to the Muslim faculty members and students to offer prayers on all Fridays in both the boys and girls hostel.
- Similarly, Christian faculty members and students are also given privileges to offer prayers on all the days and especially on Sundays in the hostel.
- We have Ganapathy temple at the entrance of our college as a holy place to bless all of us for our well-being.
- Students from various parts of Tamil Nadu and from various states across the country join in our institution. In the academic year 2020-2021 fourteen students have been admitted in the college from other states.

Linguistic Diversity

To give importance and promote other languages our college has established Hindi Cluband many language related activities and certified courses are conducted in these clubs.

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:

Citizen Duties National Day Celebrations

- Independence Day, the 15th of August and Republic day, the 26th of January are being celebrated every year.

Constitution of India – Audit Course

- As per the AICTE recommendations students mandatorily study the Constitution of India as the audit course.

Tax Payment by the Teaching Faculty

- It is our prime duty to pay tax for our country's well-being and so all faculty members pay their tax as per Indian law.

Citizen Rights

- Our college organizes activities like Voters day celebration and Voter ID enrollment awareness programme.
- Students of our college start with an Oath Taking Ceremony during which everyone takes his/her Pledge.

Citizen Responsibilities Gender Equity For Lady Faculty and Girl Students

- Our college has been providing a platform for women faculty members and girl students to bring out their talents and ideas under various forums.

Earth Day Celebration

- Our college's NCC and NSS students conducted activities and events on the topic "Reduce, Reuse and Recycle" and Tree Plantation.

Collection of Anti Ragging Forms

- The students and parents/ guardians are required to submit online affidavit at the beginning of the Semester with regard to curbing ragging menace.

File Description	Documents
Details of activities that inculcate values necessary to transform students into responsible citizens	[View File](#)
Any other relevant information	No File Uploaded

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	D. Any 1 of the above

staff Annual awareness programmes on the Code of Conduct are organized	

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	[View File](#)
Any other relevant information	**No File Uploaded**

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

Institution commemorates National and International festivals by organizing various events on the birth and death anniversary of great personalities. Due to Corona pandemic majority of the festivals were celebrated through Online mode.

- **Important days like International yoga day, Kargil Vijay Diwas Day, Constitution day, Earth day, Independence day, Republic dayetc., are celebrated and various competitions are conducted. Prizes and certificates are distributed to the winners.**
- **To commemorate the birth anniversary of Bharat Ratna. Dr.A.P.J.AbdulKalam, every year 15th October is celebrated as World Students' Day.**
- **The son of soil, K. Kamaraj strived to eradicate illiteracy by introducing free and compulsory education up to the eleventh standard. To honor such a great leader, his birthday is celebrated as Educational Day on 15th July of every year.**
- **Indian liberation warrior, Netaji Subhash Chandra Bose, birthday is celebrated on 23rd January by conducting various events for students.**
- **The birth anniversary of Sardar Vallabhbhai Patel is observed on 31st October as National Unity Day. The day is celebrated with patriotic events.**
- **With the help of NSS volunteers and NCC cadets, International yoga day is celebrated on 21st January and**

various competitions are conducted for students.

File Description	Documents
Annual report of the celebrations and commemorative events for during the year	View File
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

7.2.1. Best Practice I Title of the Practice:

System and Process of Effective Implementation of OBE

Objective of the Practice:

To ensuregraduating engineers from all programs demonstrate expected Graduate attributes to their global recognition.

The Context:

Traditionally, higher education in India has been teacher centric. As a result, a large number of graduates had poor employability. In the OBE, higher education focus shiftsfrom teacher centric to student centric.

The Practice:

- **Improve instruction methods to focus on student centric learning, to achieve the Graduate attributes (POs)**
- **Establish the Assessment and Evaluation pattern**
- **In House CO & PO attainment calculation tool to assess the attainment of CO & PO.**
- **Revision of Course target, CO statement and teaching learning pedagogy for the next batch of students based on course closure report.**

Evidence of Success:

- Enhanced content delivery, quality of project and assessment have been changed.
- Enhanced number of awards secured by students in National and International technical competitions/professional body activities.
- Enhancedcampus placement.
- Continuous improvement in the average and highest pay package offered
- Problems Encountered and Resources Required:
- OBE implemented from January 2017. Faculty traininedto adopt OBE from traditional method of teaching.

7.2.1. Best Practice II Title of the Practice:

Online Teaching and Assessment Methodology using online platforms

Objective of the Practice:

Online teaching - learning and Formative assessments methodology through Microsoft Teams and Summative assessment through Hiremee app

The Context:

- Due to pandemic situation, there exists a need for the academic institutes to shift from the traditional Teaching – Learning and evaluation practice to online mode.

The Practice:

- Students can attend the classes through their mobile app itself.
- Faculty can download attendance in the class.
- Learning Materials shared in MS-CLASS ROOMS
- Diagnostic assessment by using "poll".
- Formative assessment through MS-FORMS and MS-ASSIGNMENTS.
- Summative assessment are conducted through Hiremee app, AI based proctoring where the students are continuously monitored and during the entire duration of exam.

Evidence of Success:

More than 95 % of students used to attend classes and the examination results of pass percentage being more than 90% show the effectiveness of the implemented system.

Problems Encountered and Resources Required:

- **A capable device with good network connectivity.**
- **Rural students faced network connectivity**

File Description	Documents
Best practices in the Institutional website	http://www.kamarajengg.edu.in/NAAC22/AQAR/cr7/7.2.1.pdf
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)

Placement plays an integral part of the academic structure and is a priority to our institution, which continues to steer towards the Educational vision of Karmaveerar "Bharat Ratna" K. Kamaraj. Besides constantly providing highly innovative technical knowledge to urban and rural students, KCET always has prioritized training the underprivileged students to empower them with Industry ready (employability skills). The institution has a well-established Training Development & Placement Cell (TDP Cell) that helps students improve their skills and uplift them by providing more placement opportunities.

For the benefit of students, the institution, through TDP Cell, has facilitated well-designed and structured trainning programs, including soft skill programs, communication skills, life skills, and computing skills. In addition, these programs develop students' leadership qualities, responsibility, work coordination, communication and presentation skills, and ethical values.

The employability skills are often modified through the close association with numerous companies and also based on the feedback of employers and alumnusthat keep us up to date in planning and executing the training modules for students.

In 2020- 2021, TDP Cell enabled 367 students to get placed in reputed companies, resulting in 481 offers with an average salary package of 2.57 LPA.

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File Description	Documents
Appropriate link in the institutional website	**Nil**
Any other relevant information	[View File](#)

7.3.2 - Plan of action for the next academic year

IQAC Plan of Action for the next Academic Year 2021-2022

- **To revise and implement the Curriculum based on industry needs.**
- **To conduct funded seminars or workshops on quality improvement in the process of institution.**
- **To conduct an International Conference on Recent Trends in Technology.**
- **To implement new HR manual and performance based appraisal system for faculty members.**
- **To apply for NBA reaccreditation for the B.Tech., Biotechnology, B.E., Mechanical Engineering, B.E., Computer Science and Engineering and B.E., Electronics and Communication Engineering Programmes.**
- **To establish Intellectual Property Rights Cell.**
- **To establishStart-up incubation centres.**
- **To convert more projects into products and patents.**
- **To increase in intake inemerging areas.**
- **To get a rank in NIRF.**
- **To increase research publications and research projects.**
- **To motivate the faculty members to undergo the industrial training**
- **To collaborate with foreign university for dual degree or twinning programme.**

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