



YEARLY STATUS REPORT - 2022-2023

Part A	
Data of the Institution	
1.Name of the Institution	Karunya Institute of Technology and Sciences
• Name of the Head of the institution	Dr. G. Prince Arulraj
• Designation	Vice Chancellor
• Does the institution function from its own campus?	Yes
• Phone no./Alternate phone no.	04222614311
• Mobile no	9487846516
• Registered e-mail	registrar@karunya.edu
• Alternate e-mail address	vc@karunya.edu
• City/Town	Coimbatore
• State/UT	Tamil Nadu
• Pin Code	641114
2.Institutional status	
• University	Deemed
• Type of Institution	Co-education
• Location	Rural

• Name of the IQAC Co-ordinator/Director	Dr. D. Tensing				
• Phone no./Alternate phone no	04222614572				
• Mobile	9487846515				
• IQAC e-mail address	director_gaa@karunya.edu				
• Alternate Email address	dtensing@karunya.edu				
3.Website address (Web link of the AQAR (Previous Academic Year))	http://www.karunya.edu/iqac/agar				
4.Whether Academic Calendar prepared during the year?	Yes				
• if yes, whether it is uploaded in the Institutional website Web link:	http://www.karunya.edu/academiccalendar				
5.Accreditation Details					
Cycle	Grade	CGPA	Year of Accreditation	Validity from	Validity to
Cycle 1	B	2.91	2016	25/05/2016	24/05/2021
Cycle 2	A++	3.53	2022	16/08/2022	15/08/2027
6.Date of Establishment of IQAC			14/06/2008		
7.Provide the list of Special Status conferred by Central/ State Government-UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.					
Institution/ Department/Faculty	Scheme	Funding agency	Year of award with duration	Amount	
Nil	Nil	Nil	Nil	Nil	
8.Whether composition of IQAC as per latest NAAC guidelines			Yes		
• Upload latest notification of formation of IQAC			View File		
9.No. of IQAC meetings held during the year			3		
• The minutes of IQAC meeting and compliance to the decisions have been uploaded on the institutional website.			Yes		

(Please upload, minutes of meetings and action taken report)	
<ul style="list-style-type: none"> (Please upload, minutes of meetings and action taken report) 	View File
10. Whether IQAC received funding from any of the funding agency to support its activities during the year?	No
<ul style="list-style-type: none"> If yes, mention the amount 	
11. Significant contributions made by IQAC during the current year (maximum five bullets)	
<p>1. The National Assessment and Accreditation Council (NAAC) has awarded KITS with A++ grade with a score of 3.53, valid from August 2022 to 2027. 2. Eight Programs including 3 B. Tech programs (ECE, CSE, & Biotechnology), 4 M. Tech programs (Structural Engineering, VLSI, CSE, Biotechnology), and 1 MBA program are accredited by NBA. 3. B.Sc Agriculture Program is accredited by ICAR for 5 year period from 2022 to 2027. 4. KITS was awarded with Diamond Rating by QS I-Gauge Rating. 5. In the National Institutional Ranking Framework (NIRF), KITS featured in the Rank band 101-150 in both Engineering and University categories. In NIRF Innovation Ranking, KITS featured in the Rank band 51-100.</p>	
12. Plan of action chalked out by the IQAC in 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
Ensure alignment with accreditation criteria and uphold high-quality standards	KITS has obtained an A++ grade with a score of 3.53
Plan and implement Faculty Development Programs to enhance Teaching and Research skills	The Internal Quality Assurance Cell (IQAC) has organized 29 Faculty Development Programs (FDPs) with active participation from faculty members
Perform a comprehensive self-evaluation of the Institution, Analyzing its strengths, Weakness, opportunities and Threats through a SWOT Analysis	Enhanced the key areas for improvement in terms of Publications, Projects and Patents
Evaluate existing policies related to Academics, Administration and Quality Assurance.	Revised and updated policies to meet current Educational Standards and Institutional goals.
Establish mechanisms for Student Feedback and address concerns raised through feedback.	Improved overall Student Satisfaction and Engagement
Establish a Monitoring and Evaluation framework to track progress throughout the Academic year	Regular Monitoring and Evaluation leading to Evidence-based Decision-making and Continuous improvement in terms of Academic Audit and Research Audit.
13. Whether the AQAR was placed before statutory body?	Yes
<ul style="list-style-type: none"> Name of the statutory body 	
Name	Date of meeting(s)
Academic Council	24/09/2022
14. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to Assess the functioning?	Yes

15. Whether institutional data submitted to AISHE

Year	Date of Submission
2021-2022	02/03/2023

16. Multidisciplinary / interdisciplinary

Delineating the Vision/Plan of the Institution to transform into a holistic Multidisciplinary Institution: Karunya Institute of Technology and Sciences (KITS) is an institution with social concern to address the problems of humanity through Technical Education, Research and Development, Products, Patents and Extension. The faculty and students of Karunya will be nurtured in character, ethics and spiritual discernment to serve the society with fervor and zeal. In order to fulfill the mission, various academic and supporting departments have been established. They offer courses in cutting edge and diversified technological fields. Students choose the courses of their interest from other disciplines in order to widen their knowledge in various disciplines. KITS has Water, Sustainable Energy, Health Care and Food as its Thrust areas. In order to do research and develop products, the thrust areas are supported by 25 Technological Missions. Students and faculty members from various disciplines like Engineering, Science and Agriculture are working in groups to address the needs of the society through their Technological Mission. Entrepreneurship, Management, Skill development and Value education courses are taught to students. Students involve in Co-curricular activities through Seminars, Workshops, Hackathons and other Technical Competitions conducted by the various Academic departments. They also participate in sports, cultural and other extra-curricular activities.

Delineating the Institutional approach towards the integration of Humanities and science with STEM: KITS strongly believes that, students getting primarily trained in Science - Technology - Engineering - Mathematics (STEM) disciplines when exposed to subjects in Arts and Humanities, it leads to enhancement of their Communication skills, Critical thinking and Problem solving skills. Similarly, students pursuing programs on Arts and Humanities can enhance their ability to think and create beyond their boundaries when they are integrated with subjects in Arts and Humanities. Adequate measures will be taken to build faculty capacities and to augment infrastructural capabilities to formulate and implement integrative education in STEM and Science and Humanities. Physics and Chemistry Courses pertaining to specific engineering disciplines have been designed and integrated in the curriculum Language courses have been integrated to curriculum of STEM disciplines Community

Engagement and Service: KITS has a specific director for Community Engagement and services who will coordinate with the academic departments and local community. The academic departments engage the faculty and students in community related projects.

Environmental Studies and Value Education courses have been included in the curriculum as per NEP and AICTE guidelines. Institutional plan for offering a Multidisciplinary flexible curriculum that enables Multiple Entry and Exits at the end of 1st, 2nd and 3rd years of undergraduate education while maintaining the rigor of learning: KITS is working on framing the curriculum structure to offer the Level 5 to Level 10 Qualification types based on the UGC guidelines. Modular curriculum for UG to fulfill certificate, diploma and degree levels are under preparation to be introduced in the curriculum of 2023-25. Major and Minor programmes have also been included. Institutional plans to engage in more Multidisciplinary Research endeavors to find solutions to society's most pressing issues and challenges: 1. KITS has 25 Technology Missions in all the cutting-edge Technologies. Faculty and Students from various disciplines are involved in Learning, Research and Innovation through the Technological Missions. 2. The Institution has been oriented towards research in the four key areas: Food, Water, Energy and Healthcare. The objective is to address societal problems through research. 3. Research funds have been awarded to KITS for Multidisciplinary Research projects Good practice/s of the institution to promote Multidisciplinary / interdisciplinary approach in view of NEP 2020: KITS has established Karunya Innovation and Design Studio from which various Workshops and Hackathons are conducted. Students from various discipline work as a team to participate in all the events.

17.Academic bank of credits (ABC):

Academic bank of credits as proposed in NEP 2020: 1. Awareness videos on ABC have been put on online.karunya portal for students to access. 2. The registration has been completed via DigiLocker NAD system and ABC ID has been obtained. The registration via www.abc.digilocker.gov.in has been made as a mandatory procedure for all the students. 3. KITS has already established strong collaboration with many institutions through MoUs. Following are the few Universities / Research Centers Ben-Gurion University of the Negev, Israel Valparaiso University, Indiana, USA The University of Manitoba, Canada BRNO University of Technology, Czech Republic Centre for Research and Advanced Studies, Mexico Centennial College, Canada The Brandenburg University of Technology, Germany Regent University, USA NASA, USA Bar-Ilan University, Israel Agricultural Research Organization, Israel Vilnius University, Lithuania National

Dong Hwa University, Taiwan Following activities are carried over through the collaborations: Exchange of Faculty; Exchange of Students; Reciprocal assistance for visiting Faculty and Students; Joint research, lectures and training; Internship; Development of online courses. Since, KITS has the experience of collaboration, joint programs have been planned for the coming academic years. Also, KITS serves as the Local Committee for IAESTE India, facilitating student exchange programs for technical internships abroad. IAESTE Karunya Institute of Technology and Sciences chapter holds the privilege of being one of the major pivotal points of contact for several aspiring students in India to go abroad for internships and a portal to international students who visit India in exchange. IAESTE offers students an opportunity to obtain practical training in Engineering, Technology, Natural Sciences, Arts and Management. IAESTE offers abroad training opportunities in International Universities, Research Institutions, Academic Institutions, Industries and Commercial organizations across the world covering around 90 countries.

4. In KITS, all the teachers are the members of curriculum development cell (CDC) of their disciplines. According to their expertise, a teacher can select a set of courses and develop the syllabi for the courses based on Their subject Knowledge Research Skill Technological Trends Feedback from the stake holders Teachers are formulating the syllabus with proper Course outcomes, Application & Skill based content, Text books and Reading materials. Faculty members are encouraged to participate in workshops, FDPs, SWAYAM/NPTEL courses and seminars to enhance their subject knowledge. Teachers can prepare their own teaching plan within the prescribed format which include topics and the corresponding teaching methodology, text books, reading materials, formative assessment pattern and quality assessment patterns. They are also given the flexibility to adopt their own teaching methods. They can adopt multiple methods for the course as per the topics they have taught. For assessment of students' performance, faculty members adopt the following methods. Also, they are free to follow their own assessment pattern. Literature Survey relevant to the topics on the Course Mini Project / Working Models or Prototype Fabrication Term Paper with Reports Assignments Poster Presentation Class Seminars Report on Industry visit / Field survey Multiple Choice Questions Test Case Studies Comparison of Technical features/specifications of Products Policy on Blended Learning has been developed based on the UGC guidelines. The blended learning has been implemented for theory and practical courses. Project based and skill-based assessment through rubrics and flexibility on the evaluation are ensured.

5. To support online learning of the students, a. KITS is maintaining a learning portal for students which contains MOOCs Link to NPTEL Courses EdX online Courses

Coursera Courses Virtual Labs Linked in Tutorial b. KITS is maintaining an online repository of course materials and video lectures prepared by the faculty members for the easy access of the students. Many students and faculty members have completed SWAYAM/NPTEL courses c. Mentors are continuously monitoring the registration of students for online courses and their progress.

18.Skill development:

Efforts made by the institution to strengthen the vocational education and soft skills of students in alignment with National Skills Qualifications Framework: The Institution has now the policy of offering value added courses for upskilling the technical knowledge of every graduate for a period of 30 hours where contents or demonstrations are delivered by industry experts and qualified academicians. More focus is now given on Domain specific technologies to improve the employability on Entrepreneurial skills. Soft skills are integrated to the curriculum and 2 modules as Soft Skills-I and Soft Skills-II is offered to every student in alignment with National Skills Qualifications Framework. All the engineering divisions have added a separate category "Skill Based Courses" in their curriculum. Specific trainings have been given to the students

Details of the programmes offered to promote Vocational education and its integration into mainstream education: KITS has planned to offer vocational courses in the forthcoming years. Skill development and vocational courses will be offered in the following skills. They will be offered as electives. Digital Marketing Animation Foreign Languages Translation Marketing & Advertising Communication and IT Multimedia Electrical Wiring Welding PCB Mobile Service EV Mechanism

KITS is an institution known for human values and compassion. It has integrated value based education aimed at holistic development of every individual who enroll through the portals of Karunya. The three-week induction programme at the start of the academic Programme ensures holistic development with focus on human values of truth (satya), righteous conduct (dharma), peace (shanti), Curriculum also has noncredit mandatory courses on Constitution of India, addressing gender issues etc. Depending on the programs of study, Professional Ethics and Bioethics are offered to inculcate positivity amongst the learner. According to the guidelines of AICTE, Universal Human Values -I is offered during the three week SIP. It is also made mandatory for every student to undergo value added courses to upskill the technical knowledge to improve the employability or entrepreneurial skills. KITS has visiting/adjunct faculty provisions available to engage Industry veterans to provide technical knowhow to the students. Engagement of industry personals on hourly/weekly and monthly basis are also encouraged by KITS Steps

are being taken to offer vocational education in ODL/blended/on-campus modular modes to learners Registration to ABC is initiated. NSDC association will be facilitated by creating a unified platform to manage skill mapping, and certification Karunya Technology Business Incubation Park (K-TBIP) has been established to support the students in start-ups and motivating them to enhance their skills Department-wise industrial linkages have been established where, Students can solve the industrial problems and provide solutions. In turn students' skill level is improving Karunya Innovation and Design Studio conducts competition for students to bring out their innovative ideas Project based learning has been introduced

19.Appropriate integration of Indian Knowledge system (teaching in Indian Language, culture, using online course)

The course "Indian Knowledge System" has been included in the curriculum. Each divisions are conducting seminars on "Indian Contributions for the Specific Disciplines". KITS will train the faculty through the Training Division of KITS. Efforts of the institution i. Indian languages (Sanskrit, Pali, Prakrit and classical, tribal and endangered etc.) ii. Indian ancient traditional knowledge iii. Indian Arts iv. Indian Culture and traditions. A non-credit mandatory course "Indian Knowledge Systems" has been introduced as per the AICTE guidelines and Text Book Independence day, Republic Day are celebrated regularly The Martyrs Day and Armistice Day are observed The Rastriya Ekta Diwas is celebrated. Christmas, Diwali, Pongal, Onam and Holi are celebrated

20.Focus on Outcome based education (OBE):Focus on Outcome based education (OBE):

Karunya Institute of Technology & Sciences (KITS) has adopted Outcome-Based Education (OBE), aligning with its core mission of academic excellence. Since 2012, KITS has been actively implementing OBE, integrating a student-centric approach that focuses on clear learning outcomes. KITS Vision and Mission statements are reflected in well-defined Program Educational Outcomes (PEOs), which are correlated with Program Outcomes (POs) and, Program Specific Outcomes (PSOs). This approach equips students with not just academic knowledge but also essential skills, values, and attitudes relevant to their chosen disciplines. In the OBE framework at KITS, Program Outcomes (POs) are meticulously designed to measure the knowledge gained, skills acquired, and values and attitudes developed by students at the end of their academic program. These outcomes are assessed through a variety of methods, including coursework, projects, internships, and extracurricular activities.

The institution places importance on both direct and indirect assessment methods. Direct assessments involve internal assessments, real-time projects, presentations, internships, and end-semester examinations, all mapped to Bloom's Taxonomy to ensure a comprehensive evaluation. To cater to the unique needs of each program, Program Specific Outcomes (PSOs) are formulated with input from relevant professional societies, such as ASME, ASCE, IEEE, CSI, BIO, ABLE, AIMA, CII, CMA, AICPA, AIAA. These PSOs are integral in shaping the specific skill set and knowledge base expected of graduates in their respective fields. KITS adopts transparent practices to publicize learning outcomes. PEOs, POs, and PSOs are made accessible through various channels, including department websites, faculty rooms, classrooms, seminar halls, and laboratories. The institution ensures that students are well-informed about these outcomes during the induction program and are provided with detailed information about the curriculum, learning outcomes, and assessment patterns. Additionally, faculty members receive training through organized programs on Bloom's Taxonomy, ensuring uniformity in the implementation of OBE. This commitment to Outcome-Based Education exemplifies KITS' dedication to producing graduates who are not only academically proficient but also well-equipped for the challenges of their respective industries and contribute meaningfully to society.

21.Distance education/online education:

KITS is yet to offer courses for Distance Education/Online Education.

Extended Profile

1.Programme

1.1	45
Number of programmes offered during the year:	

File Description	Documents
Data Template	View File

1.2	17
Number of departments offering academic programmes	

2.Student

2.1	7455
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Number of students during the year		
File Description	Documents	
Data Template	View File	
2.2	2134	
Number of outgoing / final year students during the year:		
File Description	Documents	
Data Template	View File	
2.3	14844	
Number of students appeared in the University examination during the year		
File Description	Documents	
Data Template	View File	
2.4	1543	
Number of revaluation applications during the year		
3.Academic		
3.1	1356	
Number of courses in all Programmes during the year		
File Description	Documents	
Data Template	View File	
3.2	509	
Number of full time teachers during the year		
File Description	Documents	
Data Template	View File	
3.3	509	
Number of sanctioned posts during the year		

File Description	Documents
Data Template	View File
4.Institution	
4.1 Number of eligible applications received for admissions to all the Programmes during the year	15414
File Description	Documents
Data Template	View File
4.2 Number of seats earmarked for reserved category as per GOI/ State Govt. rule during the year	2659
File Description	Documents
Data Template	View File
4.3 Total number of classrooms and seminar halls	149
4.4 Total number of computers in the campus for academic purpose	1812
4.5 Total expenditure excluding salary during the year (INR in lakhs)	6776.59

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 is reflected in Programme outcomes (POs), Programme Specific Outcomes(PSOs) and Course Outcomes(COs) of the Programmes offered by the University

KITS has designed and developed an innovative curriculum that is oriented towards societal needs, technology-driven, compliant with industry standards, and inclined towards product development. This curriculum is guided by the Program Educational Objectives (PEOs)

aligned with the institution's Vision and Mission, catering to the requirements of stakeholders at the local, regional, and global levels.

Apart from the core concepts, the curriculum addresses challenges related to water, food, environment, energy, climate change, irrigation, health, and emerging technologies like AI, ML, Robotics, and Automation. These efforts aim to mitigate societal issues reflected in learning outcomes such as Program Outcomes (POs), Program Specific Outcomes (PSOs), and Course Outcomes (COs).

The curriculum incorporates domain-specific requirements from professional societies, aligning with the PSOs of programs. Mapping COs to POs and PSOs allows for the assessment of learning outcomes. Furthermore, the curriculum adheres to higher education policies and guidelines set by the Ministry of Education, UGC, AICTE, and ICAR.

The technology-driven approach enhances students' skills in analyzing and solving problems. The industry-compliant curriculum facilitates internships for students in various industries. Additionally, the project-based curriculum provides opportunities for students to conduct research projects with international institutions through IAESTE. The society-driven aspect of the curriculum engages students in social surveys in neighboring tribal and rural areas.

File Description	Documents
Upload relevant supporting document	View File

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

11

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

1.1.3 - Total number of courses having focus on employability/ entrepreneurship/ skill development offered by the University during the year

1.1.3.1 - Number of courses having focus on employability/ entrepreneurship/ skill development during the year

1099

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

1.2 - Academic Flexibility

1.2.1 - Number of new courses introduced of the total number of courses across all programs offered during the year

92

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

1.2.2 - Number of Programmes in which Choice Based Credit System (CBCS)/elective course system has been implemented during the year

45

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

1.3 - Curriculum Enrichment

1.3.1 - Institution integrates crosscutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability into the Curriculum

KITS has a well-organized curriculum that includes courses addressing cross-cutting issues to instill qualities such as integrity, dedication, inclusiveness, commitment, justice, harmony, and a sense of belonging among students. Many courses are offered across disciplines, creating awareness on a host of issues pertaining to social and gender justice, constitutional rights, security issues in food, water, healthcare and sustainable energy, and work ethics. The courses on Environment Studies and Constitution of India are common to all the B.Tech. Programmes.

Professional Ethics and Human Values:

A total of 21 courses focus on professional ethics, while 21 courses center around human values, offered across different disciplines.

Gender Sensitization:

Few courses cover areas such as Gender and Crime, Society and Culture, Women's Rights and Empowerment, shedding light on women-centric issues like victimization, victim counseling, female delinquency, women harassment, assault, gender inequality, and cyberstalking.

Environmental Conservation:

A comprehensive set of 29 courses, spread across departments, aims to make students environmentally conscious.

Sustainable Development:

KITS has integrated sustainability-related topics into the curriculum with 35 courses covering areas like renewable energy sources, sustainable building materials, global climate change, and green and smart building across various programs.

File Description	Documents
Upload relevant supporting document	View File

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

38

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

1.3.3 - Total number of students enrolled in the courses under 1.3.2 above

1.3.3.1 - Number of students enrolled in value-added courses imparting transferable and life skills offered during the year

4081

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

1.3.4 - Number of students undertaking field projects / research projects / internships during the year

1596

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

1.4 - Feedback System

1.4.1 - Structured feedback for design and review of syllabus – semester wise / is received from Students Teachers Employers Alumni

- All 4 of the above

File Description	Documents
Upload relevant supporting document	View File

1.4.2 - Feedback processes of the institution may be classified as follows

- Feedback collected, analysed and action taken and feedback available on website

File Description	Documents
Upload relevant supporting document	View File

TEACHING-LEARNING AND EVALUATION

2.1 - Student Enrollment and Profile

2.1.1 - Demand Ratio

2.1.1.1 - Number of seats available during the year

2627

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

2.1.2 - Total number of seats filled against reserved categories (SC, ST, OBC, Divyangjan, etc.) as per applicable reservation policy during the year (Excluding Supernumerary Seats)

2.1.2.1 - Number of actual students admitted from the reserved categories during the year

2282

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

2.2 - Catering to Student Diversity

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

KITS conducts a 3-week Induction Programme for first-year UG students, adhering to the guidelines set by the AICTE as part of the Student Induction Program (SIP). This program is crucial in assimilating a heterogeneous group of students from various Secondary Education Boards. To assess communication and computational skills, an online test is conducted during this period.

Advanced Learners:

Advanced learners at KITS are encouraged to go beyond the regular curriculum, leveraging online platforms such as SWAYAM, NPTEL, edX, and Coursera. These students gain valuable hands-on experience at industry laboratories established in collaboration with prominent organizations like Siemens, Salzer, Cisco, IBM, Suse, AMZ-Automotive, and Tessolve Pvt. Ltd. The institution provides coaching for competitive examinations such as GATE, CAT, GRE, and eligibility tests like IELTS, TOEFL, NET, and BEC Vantage. Additionally, advanced learners actively participate in student chapters of professional bodies such as IEEE, ASME, CSI, IETE, and explore internship opportunities through IAESTE-Karunya, as well as prestigious institutions like IITs, NITs, and National Labs.

Slow Learners:

KITS has dedicated initiatives for slow learners. Proficiency classes in Mathematics and Computing are organized for two weeks. Remedial teaching, tutorial classes, and bridge courses are conducted to equip slow learners and lateral entry students with the necessary skills. The institution records and uploads online lectures to facilitate flexible learning. The Mentor-Mentee system has proven to be effective in providing personalized guidance and support. All students undergo comprehensive training encompassing aptitude, reasoning, critical thinking, programming, problem-solving, and soft skills.

File Description	Documents
Upload relevant supporting document	View File
Link For Additional Information	https://karunya.edu/technology-mission

2.2.2 - Student - Full time teacher ratio during the year

Number of Students	Number of Teachers
7455	509

File Description	Documents
Upload relevant supporting document	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

KITS prioritizes a learner-centric approach across all departments, implementing a variety of strategies to enrich the educational experience for students. These include flipped classrooms, domain-specific workshops, concept and mind mapping sessions, case studies, role-playing activities, peer group learning, presentations, industry and community-oriented projects, internships, virtual simulation labs, field visits, and industry training. To ensure the effective implementation of these strategies, faculty members undergo regular training, adapting and adopting student-centric methodologies.

Experiential learning

Students engage in understanding and visualizing concepts, utilizing analytical tools, and honing problem-solving and decision-making skills. They actively participate in funded projects and consultancy work alongside Principal Investigators, gaining valuable research experience. Integrated virtual and simulation labs further enhance the practical aspects of their education. For final year students in B.Sc. (Hons) Agriculture and Horticulture programs, Rural Agriculture Work Experience (RAWEx) and Rural Horticultural Work Experience (RHWE) are integral components, aligning with the norms set by the Indian Council of Agricultural Research (ICAR).

Participative learning

It is promoted through faculty-student engagement in seminars, workshops, conferences, and competitions. The IAESTE program, being student-driven, allows them to take on roles as coordinators, fostering a sense of responsibility and leadership.

Problem-solving learning

This methodology is emphasized to enhance students' cognitive abilities, critical thinking skills, and logical reasoning. Participation in national initiatives such as Smart India Hackathons, Toycathons, Make in India, and AMCATathon allows students to apply their knowledge in real-world scenarios, contributing to national innovation and development.

File Description	Documents
Upload relevant supporting document	View File

2.3.2 - Teachers use ICT enabled tools including online resources for effective teaching and learning processes during the year

KITS was an early adopter of the digital platform and embarked on it a decade ago to enrich the teaching-learning process. Development of technologies in simulation, time-lapse photography, animation, media streaming, interactive online tools and improvement in download/upload speeds, have made teaching pedagogy effective.

Even with conventional delivery during online classes, writing tablets combined with online whiteboards such as Openboard™ enable saving of the lectures, which can be retrieved for revisits by the students later.

ICT-enabled classrooms, seminar halls and gallery halls, lecture capturing classrooms are available to support technology-based teaching-learning. An in-house LMS with a wide range of learner-centric features enables students to access learning materials. KITS has developed Karunya Meet-<https://meet.karunya.edu> for conducting online sessions with features such as whiteboard, breakout rooms, chat, polling, shared notes and screen-sharing for effective and participative learning. Collaboration with edX has provided system-wide system-wide access to MOOC through 'Online Campus Essential' Programme. For access to online resources, the Institution is connected to the National Knowledge Network. Virtual Labs through NMEICT of the Ministry of Education provide access to Remote Laboratories in Science and Engineering. Digital library provides access to e-journals, e-books, and e-magazines @ INFLIBNET. KITS was awarded the QS E-LEAD Certification

File Description	Documents
Upload relevant supporting document	View File

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

2.3.3.1 - Number of mentors

480

File Description	Documents
Upload relevant supporting document	View File

2.4 - Teacher Profile and Quality

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

509

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

2.4.2 - Total Number of full time teachers with Ph.D./D.M/M.Ch./D.N.B Superspeciality/D.Sc./D'Lit. during the year

408

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

2.4.3 - Total teaching experience of full time teachers in the same institution during the year

2.4.3.1 - Total experience of full-time teachers

4126

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

2.4.4 - Total number of full time teachers who received awards, recognition, fellowships at State, National, International level from Government/Govt. recognised bodies during the year

17

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	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

14

2.5.1.1 - Number of days from the date of last semester-end/ year- end examination till the declaration of results year wise during the year

14

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

2.5.2 - Total number of student complaints/grievances about evaluation against total number

appeared in the examinations during the year

133

File Description	Documents
Upload relevant supporting document	View File

2.5.3 - IT integration and reforms in the examination procedures and processes (continuous internal assessment and end-semester assessment) have brought in considerable improvement in examination management system of the institution

KITS had integrated IT into the evaluation process in 2013, transforming the conventional practice into a credible and streamlined system benefiting all the stakeholders. Eduserve, a well- designed in-house ERP provides a platform for a host of examination and evaluation-related metrics.

The practice of uploading question papers is implemented using an individual secured login ensuring uniformity and credibility. Encrypted uniform mark statements, tear and waterproof, Degree Certificates with photographs and 17 security features have been incorporated to make it tamper-proof. The examination process is fully automated. Online verification of documents and issue of provisional certificates helped students secure admissions in universities abroad and placements

Virtual lab examinations are conducted using Remote Lab and NMEICT. Evaluation of Doctoral thesis and the conduct of oral board examination are online. Karunya being a partner in E-SANAD and NAD-Digilocker, verification of documents has been a contactless and paperless attestation service. As per the requirements of UGC, AICTE and NEP, 2626 students earned credits by registering for 575 courses on the SWAYAM, NPTEL, other online platforms.

Reforms and Improvements:

Through Karunya Examination Platform, one of the internal assessment examinations will be conducted online in Computer Technology Centre. As per the requirements of UGC and NEP, Karunya has registered in Academic Bank of credits (ABC), 5723 students were enrolled in ABC accounts and 1774 ABC credit count has been added in the NAD-Digilocker ABC Portal.

File Description	Documents
Upload relevant supporting document	View File

2.5.4 - Status of automation of Examination division along with approved Examination Manual

A. 100% automation of entire division & implementation of Examination Management System (EMS)

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

2.6 - Student Performance and Learning Outcomes

2.6.1 - The institution has stated learning outcomes (generic and programme specific)/graduate attributes which are integrated into the assessment process and widely publicized through the website and other documents

KITS has well-defined Vision and Mission statements that are reflected in the PEOs and correlated to the POs and PSOs. The POs aligned with the graduate attributes measure the knowledge gained, skills acquired, values imbibed and attitudes developed. The POs are attained through COs that are specific, measurable, achievable, relevant, and time-bound (SMART). They represent what students are expected to learn and accomplish in each of the theory & laboratory Courses, projects, internships, and co-curricular and extra-curricular activities. PSOs are framed with reference to professional/lead societies viz. ASME, ASCE, IEEE. The COs are framed for each course using Bloom's Taxonomy. The Course Articulation Matrix is prepared to indicate the level of significance between COs, POs and PSOs.

The learning outcomes are assessed through direct and indirect methods.

Direct assessments include internal assessments, projects, presentations, internships, seminars, MOOC and end semester examinations. The indirect assessments are obtained through course-end surveys and student exit surveys.

Practices followed to publicize Learning Outcomes

The PEOs, POs, and PSOs of each program are published on the webpage

of each division and also displayed in strategic locations of the institute. The COs feature in the academic handbook, teaching plan, and question papers. The students are apprised of the PEOs, PSOs POs, and COs during the induction program and before the starting of each semester. Learning outcomes are disseminated to the newly recruited faculty members during the training programmes. Training programmes are organized for faculty on the adaptation of OBE across the institute

File Description	Documents
Upload relevant supporting document	View File

2.6.2 - Attainment of Programme outcomes, Programme specific outcomes and course outcomes are evaluated by the institution during the year

The attainment of COs, POs and PSOs is carried out through direct and indirect assessment methods that include Continuous Internal Assessment (CIA), End Semester Examination (ESE) and student feedback.

CO Attainment:

Each IA is conducted for 40 marks and every question is mapped with the corresponding CO and the knowledge levels of Bloom's Taxonomy.

QA components include assignments, seminars, mini-projects, literature reviews, case studies, term papers, patent and research paper reviews, industry visits, poster presentations, field surveys, and MCQ.

ESE is conducted for 100 marks.

PO and PSO Attainment:

Direct Assessment: Attainment of POs and PSOs are calculated using the Course Articulation Matrix.

Indirect Assessment: PO and PSOs are evaluated based on students' feedback. The questionnaire in the survey represents the Cos, POs and PSOs and their response are quantified on a scale of 3 based on predefined rubrics.

Based on the results of the attainment, appropriate actions are initiated to improve the attainment of POs and PSOs subsequently.

File Description	Documents
Upload relevant supporting document	View File

2.6.3 - Number of students passed during the year

2.6.3.1 - Total number of final year students who passed the university examination during the year

1939

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

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 web link)

<https://karunya.edu/feedback>

RESEARCH, INNOVATIONS AND EXTENSION

3.1 - Promotion of Research and Facilities

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

The Institution has a well-defined policy for research and related activities, which is revised, modified periodically and notified. The academic research regulations, aligning with UGC guidelines, are provided at www.karunya.edu/research/regulations. The Board of Research and Consultancy is chaired by the Vice-Chancellor and all Deans, Directors and Heads of Departments are members.

The salient features of the promotion of research activities and facilities:

1. The important facilities are: polyhouse, animal house, meteorological observatories, NASA-AERONET, DST-Nano Mission funded laboratory, NABL laboratory for food testing, Ministry of Food Processing Industries funded pilot plant facility, AICTE-MODROB funded RF Lab, NVIDIA Lab, Siemens Centre, IBM- BIG DATA Centre

2. Analytical and experimental facilities include AAS, IC, TOC, NMR,

HPLC, GC, FTIR, 100T Servo-hydraulic UTM, Supersonic and Sub-sonic wind tunnels, electrocoagulation, electrodialysis and CDI facility for water treatment

3. Incentives are given to faculty members for publishing papers in high-impact factor journals

4. Professional incentives are provided for obtaining funded research.

5. Expenses for patenting is given to the faculty members.

6. Considerable weightage is given for research contributions in the API

7. Travel grants are also given to faculty members

File Description	Documents
Upload relevant supporting document	View File

3.1.2 - The institution provides seed money to its teachers for research (amount INR in Lakhs)

5.92

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

3.1.3 - Number of teachers receiving national/ international fellowship/financial support by various agencies for advanced studies/ research during the year

8

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

3.1.4 - Number of JRFs, SRFs, Post-Doctoral Fellows, Research Associates and other research fellows enrolled in the institution during the year

71

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

3.1.5 - Institution has the following facilities to support research A. Any 4 or more of the above
Central Instrumentation
Centre Animal House/Green House Museum
Media laboratory/Studios Business Lab
Research/Statistical Databases Moot court
Theatre Art Gallery

File Description	Documents
Upload relevant supporting document	View File

3.1.6 - Number of departments with UGC-SAP, CAS, DST-FIST, DBT, ICSSR and other recognitions by national and international agencies during the year

4

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

3.2 - Resource Mobilization for Research

3.2.1 - Extramural funding for Research (Grants sponsored by the non-government sources such as industry, corporate houses, international bodies for research projects) endowments, Chairs in the University during the year (INR in Lakhs)

7.98

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

3.2.2 - Grants for research projects sponsored by the government agencies during the year (INR in Lakhs)

106.92

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

3.2.3 - Number of research projects per teacher funded by government and non-government agencies during the year

19

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

3.3 - Innovation Ecosystem

3.3.1 - Institution has created an eco-system for innovations including Incubation centre and other initiatives for creation and transfer of knowledge

KITSI instituted a policy on Innovation, Incubation and Entrepreneurship (IIE) in November 2021. The policy is formulated in alignment with the National Innovation and Startup Policy (NISIP) 2019 and the National Education Policy (NEP) 2020. Following this, measures were taken to incorporate a not-for-profit company, under section 8 of the Companies Act, 2013, which resulted in the formation of Karunya Incubation Foundation (KIF) on 31st of May, 2022.

Simultaneously, steps were taken to establish Karunya Technology Business Incubation Park (KTBIP), for the benefit of incubation by students, faculty members and outside industry. An Evaluation Committee for Incubation (ECI) was constituted for the purpose of selection, review and approval of proposals related to incubation and start-up at KTBIP, with Pro Vice-Chancellor (SIR) as the Chairperson, and the Pro VC (QS), Deans, Director (IIE), Director (RC), IPR Coordinator as members, with Faculty Coordinator, Incubation as the Convener.

Progressively, the Park started inviting proposals for incubation. First meeting of the ECI was held in September '21, wherein 20 students were inducted as incubates. Presently, we have 88 students comprising 34 Teams, 56 faculty members comprising 26 Teams, and 6 industry incubating in the Park, and the number is expected to grow.

Lab facilities and resources available with various departments of KITS are utilized for furthering the incubation projects.

MoUs are signed with IIT Madras Incubation Cell (IITM-IC), TIMED of Sree Chitra Tirunal Institute of Medical Sciences and Technology (Govt. of India), TIE - Coimbatore Chapter, and CII Coimbatore Centre. Currently, six of our selected students are participating in an intensive 2.5 months internship programme at IITM-IC.

File Description	Documents
Upload relevant supporting document	View File

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

127

3.3.2.1 - Total number of workshops/seminars conducted on Research methodology, Intellectual Property Rights (IPR), entrepreneurship, skill development year wise during the year

127

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

3.3.3 - Number of awards / recognitions received for research/innovations by the institution/teachers/research scholars/students during the year

3.3.3.1 - Total number of awards / recognitions received for research/innovations won by institution/teachers/research scholars/students year wise during the year

89

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

3.4 - Research Publications and Awards

3.4.1 - The institution ensures implementation of its stated Code of Ethics for research

3.4.1.1 - The institution has a stated Code of **A. All of the above**

Ethics for research and the implementation of which is ensured through the following

- 1. Inclusion of research ethics in the research methodology course work**
- 2. Presence of institutional Ethics committees (Animal, chemical, bio-ethics etc)**
- 3. Plagiarism check**
- 4. Research Advisory Committee**

File Description	Documents
Upload relevant supporting document	View File

3.4.2 - The institution provides incentives to teachers who receive state, national and international recognitions/awards Commendation and monetary incentive at a University function Commendation and medal at a University function Certificate of honor Announcement in the Newsletter / website

A. All of the above

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

3.4.3 - Number of Patents published/awarded during the year

3.4.3.1 - Total number of Patents published/awarded year wise during the year

30

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

3.4.4 - Number of Ph.D's awarded per teacher during the year

3.4.4.1 - How many Ph.D's are awarded during the year

68

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

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

2.82

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

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

3.4.6.1 - Total number of books and chapters in edited volumes / books published, and papers in national/international conference-proceedings during the year

87

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

3.4.7 - E-content is developed by teachers For e- D. Any 2 of the above PG-Pathshala For CEC (Under Graduate) For SWAYAM For other MOOCs platform For NPTEL/NMEICT/any other Government Initiatives For Institutional LMS

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

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

Scopus	Web of Science
6.46	4.93

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

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

Scopus	Web of Science
26	22

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

3.5 - Consultancy

3.5.1 - Institution has a policy on consultancy including revenue sharing between the institution and the individual and encourages its faculty to undertake consultancy

Faculty members undertake consultancy assignments that have an R&D component and value to society. The Institution advocates industrial collaborations so that the faculty members get exposure to real field problems and pathbreaking solutions. The Institution promotes the utilization of laboratory facilities for the testing and evaluation needs of the industries. KITS also encouraged academic collaborations and consultation for academicians, research scholars and students of neighboring Institutions.

A policy to this effect is approved by the Research Advisory Council and Academic Council and is being followed by the faculty members. The policy states the modus operandi, procedures to be followed while taking up consultancy assignments and revenue sharing with the faculty and staff coordinators.

The salient features of the policy concerning revenue sharing are given below:

I. Incentive for the Projects where Institutional facilities (infrastructure) are utilized.

- Consultancy Coordinator - 35%
- Institution - 35%
- Department/Division Budget - 20%
- Lab Assistant - 10%

II. Incentive for the Projects where Institutional facilities (infrastructure) are not utilized.

- Consultancy Team - 55%
- Institution - 30%
- Department - 15%

KITS has worked on various consultancy assignments received from Government organizations, academic institutions, national and international agencies and industries. Several Ph.D. scholars, PG and UG students have opted to use KITS facilities for completing their research and project assignments. The faculty members and staff of KITS have worked as consultants in those projects and research works.

File Description	Documents
Upload relevant supporting document	View File

3.5.2 - Revenue generated from consultancy and corporate training during the year (INR in Lakhs)

3.5.2.1 - Total amount generated from consultancy and corporate training during the year (INR in lakhs)

84.58

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

3.6 - Extension Activities

3.6.1 - Extension activities in the neighbourhood community in terms of impact and sensitising students to social issues and holistic development during the year

KITS is deeply committed to fostering the holistic development of its students. As part of the curriculum, undergraduate students, across disciplines, are mandated to earn 3/4 Non-Academic Credits through extension activities. Various clubs, including NCC, NSS, YRC, Rotaract, Nature, Journalism, Music, and Photography Clubs, along with the Karunya Arts Literary Association, drive this non-formal curricular movement.

Responding to the Prime Minister's calls for Swachh Bharat Abhiyan and Unnat Bharat Abhiyan, students actively engage in encouraging villagers to adopt healthy habits. KITS places a significant focus on skill-based training camps, promoting education, awareness about child abuse, preventing substance abuse, women's empowerment, eradicating child labor, and emphasizing the conservation of nature, water, and natural resources. The clubs also contribute to fostering entrepreneurship in villages.

NSS Special Camps involve impactful activities like school renovation, tree plantations, road cleaning, medical camps, and veterinary camps in nearby villages. The Youth Red Cross organizes health and blood donation camps, spreading messages of wellness through mediums like posters and skits.

KALA and the Music Club nurture talents through cultural activities and performing arts. The Nature Club & NSS, known as the green warriors, organize nature walks, trekking, and afforestation drives, complemented by lecture-demonstrations on creating a greener Earth. Journalism and Photography Clubs initiate visits to TV studios, deliver lectures on current journalism trends, and produce in-house editions. The Rotaract Club provides tutorial coaching to students in government middle schools in and around Karunya Nagar. Through these diverse initiatives, KITS actively shapes socially responsible and well-rounded individuals.

File Description	Documents
Upload relevant supporting document	View File

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

3.6.2.1 - Total number of awards and recognition received for extension activities from Government / Government recognised bodies during the year

2

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

3.6.3 - Number of extension and outreach programs conducted by the institution including those through NSS/NCC/Red cross/YRC during the year(including Government initiated programs such as Swachh Bharat, Aids Awareness, Gender Issue, etc. and those organised in collaboration with industry, community and NGOs)

116

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

3.6.4 - Total number of students participating in extension activities listed at 3.6.3 above during the year

4695

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

3.7 - Collaboration

3.7.1 - Number of collaborative activities with other institutions/ research establishment/industry for research and academic development of faculty and students during the year

3.7.1.1 - Total number of Collaborative activities with other institutions/ research establishment/industry for research and academic development of faculty and students during the year

304

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

3.7.2 - Number of functional MoUs with institutions/ industries in India and abroad for internship, on-the-job training, project work, student / faculty exchange and collaborative research during the year

30

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

INFRASTRUCTURE AND LEARNING RESOURCES

4.1 - Physical Facilities

4.1.1 - The institution has adequate facilities for teaching - learning. viz., classrooms, laboratories, computing equipment, etc.

The Institution has established facilities adhering to the stipulations of AICTE, UGC and ICAR.

Physical Facility:

- 137 ICT-enabled classrooms, 4 seminar halls and 8 gallery halls with smart technology and 126 well-equipped laboratories.
- Three auditoriums of 12,992 sq.m for co-curricular activities and capacity-building programmes.

Domain-Specific Laboratories:

- Nanofabrication, Nanotoxicology and Tissue Engineering
- NABL Accredited Food Quality Testing Lab
- Wind tunnel, supersonic, subsonic and water tunnel, shock tube facility and UAV
- Karunya-Seimens, NVIDIA, Karunya-SALZER Centre

- NDT and 100T Servo-Hydraulic UTM-MTS
- 3D Printing and Nanofluid Heat Transfer laboratory
- IoT laboratory for AI, Blockchain laboratory, CISCO, SUSE, IBM-BIG DATA centre
- Wind Energy
- Advanced Analytical Chemistry with NMR facility 329-acre Agriculture Farm with Polyhouse
- Animal house
- Media labs

Computing Facility:

- A Computer Technology Centre with 15 laboratories of 3046.60 sq.m.
- 44 high-end Servers (IBM Pureflex System, IBM Storwize V7000 Storage, FreeNAS Storage Appliances, HP and Dell Rack Servers) with 81TB Storage Area Network.
- Green computing using VMware products.
- Internet connectivity with a bandwidth of 1500 Mbps
- Nvidia DGX station
- Subscription to a host of licensed software.

Library:

A three-story air-conditioned and fully automated Central Library of 3083.3 sq.m. Reading area, digital library, reference books section, journals, thesis and research carrel.

File Description	Documents
Upload relevant supporting document	View File

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

KITS has created an excellent infrastructure on campus for

organizing a wide range of events to develop the mind and bodies of the students and place them in the highest realms of society. A significant investment on resources and infrastructure has been made to enrich the students' cultural and social life.

KITS has a multi-purpose auditorium with an area of 9449.25 sq. m for mega cultural events. Another Auditorium with an area of 2330 sq. m with ceiling mounted special lights for concerts and cultural events.

Karunya sports complex is extensively used by the students for sporting events in an arena that spreads over 15 acres. 10 volley Ball courts, 2 football courts, 1 hockey court, 9 badminton courts, 4 basketball courts, 5 kabaddi courts, 4 ball badminton courts, 2 handball court, 2 lawn tennis court, 2 cricket nets for practice, 2 throw ball courts, 2 tennikoit courts, 2 standard 400 m 8 lane tracks and 10 galleries are available. All courts are well-laid as per SAI standards with flood lights.

The indoor sports facilities include 5 badminton courts, 1 basketball court, 1 lawn tennis court, 1 kabaddi court, 8 table tennis tables, 14 carom boards and 40 chess boards.

7 sophisticated gymnasiums for physical fitness established in the student residences.

File Description	Documents
Upload relevant supporting document	View File

4.1.3 - Availability of general campus facilities and overall ambience

Located 30 km from Coimbatore, KITS is situated amidst the mountain ranges of Western Ghats. An infrastructure with academic blocks housing 17 departments, an administrative, an air-conditioned library, a Computer Technology Centre, three large auditoriums and a 329-acre agriculture farm provide a robust academic ecosystem. The campus has well-laid bitumen topped roads connecting all facilities.

15 multi-storeyed residential halls are available for students' accommodation with, modern kitchen facilities catering to the regional diversity. A sports arena spanning over 15 acres is available for sports and games. A 100-bedded rural community hospital is available for specialized treatments. Department stores, post office, Canara bank, ATMs, guest house, restaurants and petrol bunks are available. Uninterrupted water and power supply to cater

to the entire university community. As part of energy conservation initiatives, a functional 115 kW solar power plant, 29 solar water heaters, and 7958 LED lights are in place. 33 rainwater harvesting units and a 25,000 liters capacity Ferro-cement tank for rainwater harvesting are in operation. 5 Sewage Treatment Plants-STPs are on campus and the treated water is used for farming and gardening. Four biogas plants are available that generate 114kg/day of cooking gas. An eco-friendly paper recycling unit converts 150-200 kg of wastepaper.

File Description	Documents
Upload relevant supporting document	View File

4.1.4 - Total expenditure excluding salary for infrastructure augmentation during the year (INR in Lakhs)

6776.59

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

4.2 - Library as a Learning Resource

4.2.1 - Library is automated using Integrated Library Management System (ILMS) and has digitisation facility

The Central Library boasts a state-of-the-art RFID-enabled Integrated Library Management System (LMS) and a digital repository, accessible through its web portal 24/7. Housed in a climate-controlled building, the library leverages an intelligent LMS with RFID technology, seamlessly integrated with the university's advanced AutoLib software. This system facilitates automated services such as Self Check-in, Check-out, inventory management, library security, etc. The web-centric LMS manages a comprehensive collection, comprising 142346 books, 2,596 journals (both print and e-journals), and 211,652 e-books. Users can access these resources through the web OPAC and mobile app.

The library ensures remote access for authorized users and provides seamless access to prominent databases like Science Direct, ProQuest, Springer, IEEE, EBSCO, Pearson, Indianjournals.com, Scopus, and Web of Science through INFED. Membership affiliations with INFLIBNET, DELNET, NDLI facilitate unlimited access to millions

of resources via hi-speed broadband and Wi-Fi. The digital library hosts previous year question papers and incorporates Turnitin plagiarism detection software. Touch KIOSKS are available for accessing, viewing, copying, and sharing electronic resources. Additionally, the library organizes seminars, workshops, and orientation programs, tailored to users' needs. Positioned as the knowledge hub, the learning resource centre aligns with its mission to support the institution's teaching, learning, and research requirements.

File Description	Documents
Upload relevant supporting document	View File

4.2.2 - Institution has subscription for e-Library resources Library has regular subscription for the following: e – journals e-books e-ShodhSindhu Shodhganga Databases

A. Any 4 or all of the above

File Description	Documents
Upload relevant supporting document	View File

4.2.3 - Annual expenditure for purchase of books/ e-books and subscription to journals/e-journals during the year (INR in Lakhs)

172.35

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

4.2.4 - Number of usage of library by teachers and students per day (foot falls and login data for online access)

3431

File Description	Documents
Upload relevant supporting document	View File

4.3 - IT Infrastructure

4.3.1 - Number of classrooms and seminar halls with ICT - enabled facilities such as LCD, smart board, Wi-Fi/LAN, audio video recording facilities during the year

149

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

4.3.2 - Institution has an IT policy, makes appropriate budgetary provision and updates its IT facilities including Wi-Fi facility

IT infrastructure is crucial and paramount to supporting teaching-learning, research and extension in the higher education sector.

KITS has enhanced its infrastructure facility to meet the need for online platforms for teaching-learning.

The Computer Technology Centre (CTC) is housed in a building of 3,614 sq.m and has 15 laboratories, a campus network with a 1Gbps fiber-optic backbone, and internet connectivity with a bandwidth of 1500Mbps.

The CTC maintains the infrastructure and IT resources based on a well-defined IT policy. The following are the salient features of the IT policy.

Statements are framed in line with the guidelines of the GoI and the IT laws of the country covering the usage of systems, the Internet and all IT resources.

Privacy and security features are outlined. Guidelines for online examinations are provided. Policies on video surveillance are detailed.

Implementation and adherence to the policy:

The policy is enforced by way of:

Centralized authentication and authorization servers Enterprise-grade firewall with Unified Threat Management features

Centralized logging of user activity

Expansion Plans:

- Increasing the internet bandwidth
- Implementation of ISO 27001 standard
- Expanding data storage

.Creating Karunya Cloud

File Description	Documents
Upload relevant supporting document	View File

4.3.3 - Student - Computer ratio during the year

Number of students	Number of Computers available to students for academic purposes
7455	1812

4.3.4 - Available bandwidth of internet connection in the Institution (Leased line)

- ?1 GBPS

File Description	Documents
Upload relevant supporting document	View File

4.3.5 - Institution has the following Facilities for e-content development Media centre Audio visual centre Lecture Capturing System(LCS) Mixing equipment's and softwares for editing

- A. All of the above**

File Description	Documents
Upload relevant supporting document	View File
Upload the data template	View File

4.4 - Maintenance of Campus Infrastructure**4.4.1 - Total expenditure incurred on maintenance of physical facilities and academic support facilities excluding salary component during the year**

2407.58

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

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

Academic Facilities, Utilization and Maintenance:

Classrooms:

- For teaching and learning, 141 smart classrooms and 8 gallery halls with audio-visual facilities are available.
- The Heads of the Departments ensure that the classrooms have adequate furniture and other facilities
- The construction and Maintenance Department takes care of Repair/Service works

Laboratory Facility:

- Heads of Department and faculty coordinators of laboratories are responsible for the utilization and Maintenance of the laboratories
- The laboratories are maintained by qualified technicians
- AMCs are in place for sophisticated instruments

Library Facility:

- The Central Library is equipped with all facilities and learning resources
- The library is kept open from 8 AM to 11 PM from Monday to Friday and 8 AM to 5.30 PM on Saturdays.
- The Chief Librarian is responsible for the overall management of the library.
- The library is automated through the AutoLib software

Computing Facility:

- The Computer Technology Centre houses 15 laboratories for all students
- The CTC is maintained by technicians and a Head(CTC)
- Internet and Wi-Fi facilities
- Online tickets are raised for any service requirement which is attended to within 2 days.

Sports Facility:

Head of Physical Education ensures the maintenance of all sports facilities.

File Description	Documents
Upload relevant supporting document	View File

STUDENT SUPPORT AND PROGRESSION

5.1 - Student Support

5.1.1 - Total number of students benefited by scholarships and free ships provided by the institution, Government and non-government agencies (NGOs) during the year (other than the students receiving scholarships under the government schemes for reserved categories)

1876

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

5.1.2 - Total number of students benefited by career counselling and guidance for competitive examinations offered by the Institution during the year

9999

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

5.1.3 - Following Capacity development and A. All of the above

skills enhancement initiatives are taken by the institution
Soft skills
Language and communication skills
Life skills (Yoga, physical fitness, health and hygiene)
Awareness of trends in technology

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

5.1.4 - The Institution adopts the following for redressal of student grievances including sexual harassment and ragging cases

- All of the above

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

File Description	Documents
Upload relevant supporting document	View File

5.2 - Student Progression

5.2.1 - Number of students qualifying in state/ national/ international level examinations during the year (eg:NET/SLET/GATE/GMAT/CAT/ GRE/TOEFL/Civil Services/State government examinations)

5.2.1.1 - 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

95

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

5.2.2 - Total number of placement of outgoing students during the year

1188

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

5.2.3 - Number of recently graduated students who have progressed to higher education (previous graduating batch) during the year

348

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

5.3 - Student Participation and Activities

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

19

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

5.3.2 - Presence of Student Council and its activities for institutional development and student welfare

Considering the importance of student participation in governance and their input for modifying and improving the overall academic and administrative processes, KITS has the following systems for representation.

- The student panel representatives meet at least once in a month and provide suggestions and recommendations to the Heads of the Department.
- The student committees manage important activities related to an international exchange programme, cultural clubs under extension activities and sports events.

- The student committees are actively involved in decisions pertaining to the welfare of the hostels.
- As members and coordinators in Curriculum Development Cell and Entrepreneurship Cell.
- Suggestions from the student's sports committee to upgrade sports facilities such as courts, stadiums and gymnasiums were implemented.
- Involvement of students in the planning and implementation of skill development programmes and placement activities leading to better placement opportunities.
- Some of the student welfare activities include: scholarships and fee concessions to deserving students, 'earn while you learn' opportunities, seed money for project work, international internships, incubation and start-up facilities

Mentor-mentee meetings are held once in a fortnight to address the mentee's concerns and problems. There is a platform 'tellus@karunya.edu' to address their grievances.

File Description	Documents
Upload relevant supporting document	View File

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

13

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

5.4 - Alumni Engagement

5.4.1 - The Alumni Association/Chapters (registered and functional) contributes significantly to the development of the institution through financial and other support services during the year

KITS has two registered Alumni Associations: Karunya International Alumni Association and Karunya Alumni Association India. Since 1990, KITS has groomed a large number of distinguished alumni - CEOs, industrialists, scientists, business tycoons and entrepreneurs.

Alumni are involved in mentoring, guiding the students in their projects, 'Alumni Lecture Series', career counselling programmes, mock interviews.

The alumni serve in IQAC Committee, Board of Studies and Academic Council.

Alma-Connect, a social media platform, links up different national and international chapters.

They extend support to the students for initiating start-ups and entrepreneurship ventures.

A magazine called "Missing Link" is published to connect the past with the present. Through their mouthpiece 'Missing Link', the alumni help other alumni to build their career.

Alumni have volunteered to be a part of the research and product development related to the four thrust areas of societal importance-water, food, healthcare and energy.

The alumni have taken initiative to establish Karunya Alumni Business Network (KABN) which handholds students in their innovation, incubation and start-up ventures.

File Description	Documents
Upload relevant supporting document	View File

5.4.2 - Alumni contribution during the year (INR in Lakhs) A. ? 5Lakhs

File Description	Documents
Upload relevant supporting document	View File

GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 - Institutional Vision and Leadership

6.1.1 - The institution has a clearly stated vision and mission which are reflected in its academic and administrative governance

KITS has a well-defined vision focused on serving humanity with a social conscience, addressing challenges through technical education, research, and extension activities. The institution's

mission is to guide its students to achieve academic excellence and professional competence while upholding social ethics. Additionally, the mission emphasizes finding solutions to human problems in critical areas such as water, food, healthcare, and sustainable energy. Furthermore, KITS aims to instill a sense of responsibility for the well-being of the elderly and the physically and mentally challenged, encouraging the development of technology and products in laboratories to alleviate their suffering.

The institution prominently displays its vision and mission statements on the website, digital signage, academic blocks, and other key locations. To align with these guiding principles, eight specific goals have been identified. Statutory committees, formed in accordance with UGC/MoE regulations, play a crucial role in providing policies and guidelines, monitoring progress toward achieving these goals.

Programmatic actions include annual visioning programs for both faculty and students, incorporating valuable feedback from employers in industries and organizations. Quality parameters essential for excellence in academics, administration, and extension activities are continuously mapped against benchmarks set by accrediting and ranking agencies. This strategic approach ensures that KITS remains dedicated to its vision and mission, fostering an environment that not only excels in education but also actively contributes to societal well-being.

File Description	Documents
Upload relevant supporting document	View File

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

Introduction:

The institution's policies grant autonomy to Deans, Directors, and Heads of Departments, empowering them to oversee Academics, Research, Infrastructure, and Finance. The Vice-Chancellor, Pro-Vice Chancellors, and Registrar provide support to facilitate the accomplishment of set goals and targets.

Financial Management through Participation:

Heads of Departments formulate an annual budget based on manpower and infrastructure needs, which the Deans review and recommend to

the Executive Committee for approval. The final budget undergoes scrutiny by the Finance Committee as per statutory requirements. The Deans and Heads then operate the approved budget.

Administration of Academics:

Heads of Departments are responsible for academic matters, including curriculum preparation, syllabus revision, and the introduction of new courses. These tasks are carried out through the Curricula Development Cell (CDC), with recommendations from the Board of Studies and approval from the Academic Council.

Placement Coordination:

Each department's Placement Coordinators collaborate with the Central Placement and Training Officer for company-specific training, upskilling, and placement activities.

Management of Research:

Principal Investigators, Ph.D. supervisors, and Coordinators oversee institutional research projects and academic research.

Student Residence Oversight:

The hostel administration appoints faculty members as Chief Wardens, Joint Chief Wardens, Wardens, and Mess Superintendents to manage student residence affairs.

File Description	Documents
Upload relevant supporting document	View File

6.2 - Strategy Development and Deployment

6.2.1 - The institutional Strategic plan is effectively deployed

The institution has devised a five-year strategic plan for Teaching and Learning, Research, Governance and Sustainability subject to periodic monitoring and evaluation. Recognizing the need for objectivity in tracking the implementation progress of strategic plans, the institution acknowledges the effectiveness of Logical Framework Analysis (LFA) as a valuable tool.

File Description	Documents
Upload relevant supporting document	View File

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

All the guidelines and norms prescribed by UGC for the governance of Deemed-to-be University are meticulously followed by KITS.

- The institution is headed by the Vice-Chancellor who in consultation with the members of the Board of Management (BoM) consisting of representatives of UGC and MHRD, frames the governing statutes. The Vice-Chancellor oversees the governance of the institution.
- The Registrar ensures that all the decisions are implemented.
- The organizational structure reflects a participatory and bottom-up approach with the faculty members, Heads, Deans, Directors and Controlling Officers working within the framework of the rules.
- Different statutory bodies monitor and evaluate the implementation of the policies and recommend the required policy changes to the BoM. For transparency, the HR policy is hosted on the website.
- The Institution has well-specified outcomes and targets to utilize its human resources optimally. Based on the performance appraisal of the faculty the HR committee awards the annual increment and cadre revision.
- The fee structure is derived considering the operating cost of each program.
- The consolidated budget is placed before the Finance Committee for approval.

All policies, service rules and guidelines are uploaded in the Karunya Intranet for transparency.

File Description	Documents
Upload relevant supporting document	View File

6.2.3 - Institution Implements e-governance in its areas of operations

6.2.3.1 - e-governance is implemented covering A. All of the above following areas of operation

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

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

6.3 - Faculty Empowerment Strategies

6.3.1 - The institution has a performance appraisal system, promotional avenues and effective welfare measures for teaching and non-teaching staff

- The Institution has a well-defined automated performance appraisal system. The faculty members update their publications and achievements on the online portal, which computes his/her API score.
- The IQAC organizes annual programmes to sensitize and orient the faculty members on teaching, learning & evaluation, research proposal preparation and IP.
- All the faculty members utilize Karunya MEET in the teaching learning process and ensure compliance to the COs and POs.
- Faculty members receive incentives for good quality SCI indexed publications, consultancy assignments and funded projects, motivating faculty to publish in high impact factor journals.
- The non-teaching staff are trained periodically to upgrade their technical skills.

Welfare Measures

Faculty and Staff

- Pay scale fixation as per 6th Pay Commission with appropriate DA
- EPF and Gratuity, Staff Benevolent Fund, Medical Insurance
- Quarters at subsidized rent to faculty and staff.
- Scholarship for children of staff at admission stage; School

fee concession/scholarship in Karunya School

- Facilities on campus: Bank, ATMs, post office, schools, buses, campus security, telephone exchange, guest house, restaurant, canteen, police station, rural community hospital and electricity sub-station

Workload concessions for faculty having ongoing funded research projects and consultancy assignment

File Description	Documents
Upload relevant supporting document	View File

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

6

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

6.3.3 - Number of professional development / administrative training Programmes organized by the institution for teaching and non-teaching staff during the year

29

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

6.3.4 - Total number of teachers undergoing online/ face-to-face Faculty Development Programmes (FDP)during the year(Professional Development Programmes, Orientation / Induction Programmes Refresher Course, Short Term Course)

125

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

6.4 - Financial Management and Resource Mobilization

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

Resource Mobilisation Policy

The Institution has a well-planned financial management system with a digital mode for transparency and efficiency. The primary source of income is fees from students and research grants from government funding agencies, including funded projects, consultancy income and alumni contributions.

Scope of the Policy:

Planning Infrastructural requirements:

The infrastructure Development Committee works out the infrastructure requirement with the financial commitment during the beginning of each academic year and facilitates the Construction and Maintenance Department and Purchase Department to proceed with implementation.

Budget Planning for yearly recurring and non-recurring expenditure:

Provisional budget proposals are invited from the Deans, Heads of Departments and Controlling Officers in the month of Jan / Feb for the next academic year and placed in the Finance Committee and BoM. A mid-term revision of the budget is carried out to optimally utilize the sanctioned amount within the fiscal year. Provisions for the approval of the budget for specific requirements are in place. Monitoring the Utilisation of funds:

KITS has an independent Statutory Audit Firm to audit the accounts as per the statutory requirements of the Institution and the government. An in-house internal auditor audits the day-to-day operations on a regular basis.

File Description	Documents
Upload relevant supporting document	View File

6.4.2 - Funds / Grants received from government bodies during the year for development and

maintenance of infrastructure (not covered under Criteria III and V) (INR in Lakhs)

112.80

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

6.4.3 - Funds / Grants received from non-government bodies, individuals, philanthropists during the year for development and maintenance of infrastructure (not covered under Criteria III and V)(INR in Lakhs)

10

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

6.4.4 - Institution conducts internal and external financial audits regularly

KITS conducts internal and external financial audits regularly as per the statutory norms. The Finance Officer, who is a qualified Chartered Accountant and his experienced team ensure proper utilization and accounting of funds.

External Audit:

A firm of Chartered Accountants conducts the external statutory audits, covering all financial and accounting activities of the Institution. This includes scrutiny and verification of the following:

1. All receipts from fees, grants, contributions, interest earned and miscellaneous incomes;
2. All payments to staff, vendors, contractors, other service providers and student refunds;
3. Fixed asset accounting, asset capitalization, accounting of fixed deposits, renewal and loan repayment;
4. All the contracts and agreements entered into by the Institution with banks and financial institutions, corporates, contractors,

vendors, etc.; and

5. Compliance with all statutory returns to Government agencies like Income Tax, Goods and Service Tax, Provident Fund, etc.,

6. Financial transactions pertaining to all externally funded projects are also subject to external auditing and the expenditure statement and utilization certificate are endorsed by the external auditor.

Internal Audit:

KITS engage a qualified independent Internal Auditor and a team of auditors and staff under them to check and verify all vouchers and documents.

File Description	Documents
Upload relevant supporting document	View File

6.5 - Internal Quality Assurance System

6.5.1 - Internal Quality Assurance Cell (IQAC) has contributed significantly for institutionalizing the quality assurance strategies and processes by constantly reviewing the teaching learning process, structures & methodologies of operations and learning outcomes at periodic intervals

The IQAC at KITS has been instrumental in establishing and refining strategies and processes for the institution's academic growth. The institution's IQAC serves as a scaffold for academic development, monitoring, and maintaining quality assurance in teaching, learning, and evaluation. Under the coordination of the Head of Training and IQAC, regular training programs are organized to equip faculty members and non-teaching staff with the skills needed to adapt to global changes.

The institution has implemented a structured mechanism for developing a learner-centric, activity-based teaching plan. Additionally, a comprehensive 2-3-week induction program is conducted for newly recruited faculty members, focusing on preparing them to be effective teachers, mentors, counselors, and leaders.

Academic Audit:

The institution conducts academic audits with the primary goal of streamlining academic functions and standardizing practices to ensure optimal performance from every faculty member in teaching and

learning. This institutionalized practice includes evaluating the teaching-learning practices through external experts from esteemed national institutions such as IITs and NITs. The values obtained through the academic audit experts are used to assess the attainment of Program Outcomes (POs) and Program Specific Outcomes (PSOs) at the time of graduation. This standardized approach supports departments in achieving NBA accreditations for their programs.

File Description	Documents
Upload relevant supporting document	View File

6.5.2 - Institution has adopted the following for Quality assurance Academic Administrative Audit (AAA) and follow up action taken

A. Any 5 or all of the above

Confernces, Seminars, Workshops on quality conducted Collaborative quality initiatives with other institution(s) Orientation programme on quality issues for teachers and studens Participation in NIRF Any other quality audit recognized by state, national or international agencies (ISO Certification, NBA)

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

6.5.3 - Incremental improvements made for the preceding during the year with regard to quality (in case of first cycle) Post accreditation quality initiatives(second and subsequent cycles)

KITS has taken various initiatives to enhance with regard to Quality.

Some of the Key Initiatives are:

1. Ensure alignment with accreditation criteria and uphold high-quality standards by devising Strategic plans.

2. Plan and implement Faculty Development Programs to enhance Teaching and Researchskills

3. Evaluate existing policies related to Academics, Administration and QualityAssurance.

4. Implementation of Blended Learning in accordance with NEP.

5. The respective Heads of Departments (HoDs) and Deans have been briefed on the post-accreditation initiatives for efficient execution.

Incremental Improvements:

In 2022-23, there was a notable enhancement across various metrics compared to 2021-22. The institution witnessed a significant increase in the number of value-added courses, student enrollment in these courses, and participation in field projects/internships. Additionally, more full-time teachers acquired Ph.D.

The institution also allocated higher seed money for research and generated increased revenue from consultancy and corporate training. There was a substantial rise in publications and outreach programs. Placement of outgoing students and progression to higher education also saw marked improvements. Moreover, a greater number of professional development programs and FDP participation were observed among teaching and non-teaching staff.

File Description	Documents
Upload relevant supporting document	View File

INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 - Institutional Values and Social Responsibilities

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

KITS prioritizes the safety and well-being of women within its campus. In adherence to UGC guidelines and Supreme Court directives, an Internal Compliance Committee (ICC) has been established. The curriculum incorporates seven gender-related courses to promote inclusivity.

Maintaining a nearly equal female-male gender ratio for both faculty and students, the institute strives for a balanced and inclusive environment. A special scholarship of Rs. 40,000 per annum is awarded to female students pursuing professional programs, further encouraging their academic endeavors. Women faculty members actively engage in academic-administrative roles within the institution.

Safety and Security: Girl students are provided accommodation in well-equipped resident halls featuring amenities such as water

dispensers, solar water heaters, ATMs, department stores, gymnasiums, sports complexes, beauty parlors, tailoring units, fruit juice shops, and food courts.

Counselling: Senior Resident Advisors (SRAs) and caretakers offer day-to-day assistance and address the concerns of students, fostering a supportive and nurturing atmosphere.

Common Room: Each academic block on campus features a women's care room equipped with essential amenities such as a bed and first aid kits. In emergencies, ambulance services and transportation are readily available, ensuring the well-being of the female student community.

Physical Education:

Women players are encouraged to participate in different tournaments like National / All India Inter University / South Zone Inter University / State Level Inter Deemed University Tournament etc.

File Description	Documents
Upload relevant supporting document	View File
Annual gender sensitization action plan(s)	https://karunya.edu/igac/sustainability
Specific facilities provided for women in terms of: a. Safety and security b. Counseling c. Common rooms d. Daycare Centre e. Any other relevant information	https://www.karunya.edu/infrastructure/

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

A. Any 4 or All of the above

File Description	Documents
Upload relevant supporting document	View File

7.1.3 - Describe the facilities in the Institution for the management of the following types of

degradable and non-degradable waste (within 200 words) Solid waste management Liquid waste management Biomedical waste management E-waste management Waste recycling system Hazardous chemicals and radioactive waste management

KITS is a residential institution with 7455 students and 509 faculty living in the 15 resident halls and 15 apartment complexes spread across a 476-acre campus, several strategies have been adopted to implement the Sustainable Development Goals of UN, for effective management of solid waste, grey and black water.

Solid Waste Management and Recycling:

To manage solid waste, collection bins have been placed at different locations on campus. After segregation, the biodegradable waste is subject to degradation by organic composting and the bio-fertilizer is utilized in the 329-acre experimental farm for academic, research and community development activities.

Liquid Waste Management:

The grey and black water from the residences are treated in the 4 Sewage Treatment Plants (STP) and 4 Biogas plant installed on campus. 2500 KLD of wastewater is treated as per the treatment process. The water is reused for gardening and irrigation through 118 outlets on campus.

The four Biogas plants of 360 cu.m capacity generate 114 kg of cooking gas/day (equivalent to 6 commercial gas cylinders).

Hazardous Waste:

KITS follows the UGC guidelines, of 2011 with regard to the usage and storage of chemicals for academic and research purposes.

File Description	Documents
Upload relevant supporting document	View File

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
Upload relevant supporting document	View File

7.1.5 - Green campus initiatives include

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

A. Any 4 or All of the above

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

File Description	Documents
Upload relevant supporting document	View File

7.1.6 - Quality audits on environment and energy are regularly 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:

A. Any 4 or all of the above

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

File Description	Documents
Upload relevant supporting document	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

A. Any 4 or all of the above

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.

File Description	Documents
Upload relevant supporting document	View File

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)

KITS offers a multicultural and multilingual atmosphere to its students representing the 33 States and Union Territories of India. As the institution promotes the holistic development of students, various events are organized to enhance the spirit of patriotism, fraternity, social and environmental consciousness, gender sensitization and more.

- Regional Menu is available for students from different states.
- National and State festivals are celebrated promoting communal harmony.
- Programs are conducted commemorating significant days such as Independence Day and Republic Day. On such special occasions, sports and cultural events are organised for the children in the neighbouring rural and tribal communities. Students also visit orphanages and homes for the physically and mentally challenged and distribute sweets and gifts.
- To instill confidence and a sense of belonging in the minds of differently-abled children, games are conducted for them on 'World Disabled Day observed.
- Students engage themselves in clean-up campaigns aligned to Swachh Bharat Mission.

During the graduation ceremony, wheelchairs and tri-wheel vehicles are proffered to the differently-abled people and sewing machines for economically disadvantaged tribal and rural women.

File Description	Documents
Upload relevant supporting document	View File

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

Promoting the sensitization of students and employees at Karunya Institute of Technology & Sciences to constitutional obligations, values, rights, duties, and responsibilities is crucial for fostering a responsible and informed citizenry.

The curriculum of KITS includes a compulsory course on 'Constitution of India' for all students. Conferences and action programmes are conducted regularly to create consciousness among students to become responsible citizens. Extramural lectures are organized to highlight the salient features of the Indian Constitution and the Architects of the freedom struggle of India. Awareness programs are conducted on stewardship of natural resources, conservation of ecosystem, protection of public property, human rights, duties and responsibilities of citizens enshrined in the Constitution of India.

- Independence Day and Republic Day are celebrated annually with patriotic fervor.
- Birth anniversaries of national leaders Mahatma Gandhi, Pandit Jawaharlal Nehru, Sardar Vallabhbhai Patel and Shri S Radhakrishnan are observed, emulating their exemplary life.
- To inculcate values in students, KITS sows the seeds of patriotism and communal harmony, thus moulding them as citizens with societal concern.
- Mindkraft, A National level Techno Management Festival was held on March 24 and 25, 2023.

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

File Description	Documents
Upload relevant supporting document	View File

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

KITS inculcate in students the spirit of nationalism and social values by blending co-curricular activities with core learning.

Karunya community observes significant National Days such as Independence Day, Republic Day, Rashtriya Ekta Diwas, and Martyrs' Day to instill patriotic fervor, inspire future generations to live in harmony and ignite young minds to serve the nation with passion.

On the 15th of August every year, we recall the sacrifice of the freedom fighters, cherish the rich heritage of our country, and remember with pride the achievements and progress made since Independence, depicted through performing arts and motivational speeches.

Water being one of the thrust areas in the Technology Mission of KITS, World Water Day is celebrated with verve.

World Wetlands Day is observed every year to showcase our rich biodiversity and impress upon the need to maintain a robust ecosystem for sustaining livelihood.

On International Women's Day, the women faculty are recognized for their contribution to teaching, mentoring, research and corporate life.

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 is reflected in Programme outcomes (POs), Programme Specific Outcomes(PSOs) and Course Outcomes(COs) of the Programmes offered by the University

KITS has designed and developed an innovative curriculum that is oriented towards societal needs, technology-driven, compliant with industry standards, and inclined towards product development. This curriculum is guided by the Program Educational Objectives (PEOs) aligned with the institution's Vision and Mission, catering to the requirements of stakeholders at the local, regional, and global levels.

Apart from the core concepts, the curriculum addresses challenges related to water, food, environment, energy, climate change, irrigation, health, and emerging technologies like AI, ML, Robotics, and Automation. These efforts aim to mitigate societal issues reflected in learning outcomes such as Program Outcomes (POs), Program Specific Outcomes (PSOs), and Course Outcomes (COs).

The curriculum incorporates domain-specific requirements from professional societies, aligning with the PSOs of programs. Mapping COs to POs and PSOs allows for the assessment of learning outcomes. Furthermore, the curriculum adheres to higher education policies and guidelines set by the Ministry of Education, UGC, AICTE, and ICAR.

The technology-driven approach enhances students' skills in analyzing and solving problems. The industry-compliant curriculum facilitates internships for students in various industries. Additionally, the project-based curriculum provides opportunities for students to conduct research projects with international institutions through IAESTE. The society-driven aspect of the curriculum engages students in social surveys in neighboring tribal and rural areas.

File Description	Documents
Upload relevant supporting document	View File

1.1.2 - Number of Programmes where syllabus revision was carried out during the year	
11	
File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File
1.1.3 - Total number of courses having focus on employability/ entrepreneurship/ skill development offered by the University during the year	
1.1.3.1 - Number of courses having focus on employability/ entrepreneurship/ skill development during the year	
1099	
File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File
1.2 - Academic Flexibility	
1.2.1 - Number of new courses introduced of the total number of courses across all programs offered during the year	
92	
File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File
1.2.2 - Number of Programmes in which Choice Based Credit System (CBCS)/elective course system has been implemented during the year	
45	
File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

1.3 - Curriculum Enrichment

1.3.1 - Institution integrates crosscutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability into the Curriculum

KITS has a well-organized curriculum that includes courses addressing cross-cutting issues to instill qualities such as integrity, dedication, inclusiveness, commitment, justice, harmony, and a sense of belonging among students. Many courses are offered across disciplines, creating awareness on a host of issues pertaining to social and gender justice, constitutional rights, security issues in food, water, healthcare and sustainable energy, and work ethics. The courses on Environment Studies and Constitution of India are common to all the B.Tech. Programmes.

Professional Ethics and Human Values:

A total of 21 courses focus on professional ethics, while 21 courses center around human values, offered across different disciplines.

Gender Sensitization:

Few courses cover areas such as Gender and Crime, Society and Culture, Women's Rights and Empowerment, shedding light on women-centric issues like victimization, victim counseling, female delinquency, women harassment, assault, gender inequality, and cyberstalking.

Environmental Conservation:

A comprehensive set of 29 courses, spread across departments, aims to make students environmentally conscious.

Sustainable Development:

KITS has integrated sustainability-related topics into the curriculum with 35 courses covering areas like renewable energy sources, sustainable building materials, global climate change, and green and smart building across various programs.

File Description	Documents
Upload relevant supporting document	View File

1.3.2 - Number of value-added courses for imparting transferable and life skills offered during the year**38**

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

1.3.3 - Total number of students enrolled in the courses under 1.3.2 above**1.3.3.1 - Number of students enrolled in value-added courses imparting transferable and life skills offered during the year****4081**

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

1.3.4 - Number of students undertaking field projects / research projects / internships during the year**1596**

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

1.4 - Feedback System**1.4.1 - Structured feedback for design and review of syllabus – semester wise / is received from Students Teachers Employers Alumni**

- All 4 of the above

File Description	Documents
Upload relevant supporting document	View File

1.4.2 - Feedback processes of the institution

- Feedback collected, analysed

may be classified as follows

and action taken and feedback available on website

File Description	Documents
Upload relevant supporting document	View File

TEACHING-LEARNING AND EVALUATION

2.1 - Student Enrollment and Profile

2.1.1 - Demand Ratio

2.1.1.1 - Number of seats available during the year

2627

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

2.1.2 - Total number of seats filled against reserved categories (SC, ST, OBC, Divyangjan, etc.) as per applicable reservation policy during the year (Excluding Supernumerary Seats)

2.1.2.1 - Number of actual students admitted from the reserved categories during the year

2282

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

2.2 - Catering to Student Diversity

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

KITS conducts a 3-week Induction Programme for first-year UG students, adhering to the guidelines set by the AICTE as part of the Student Induction Program (SIP). This program is crucial in assimilating a heterogeneous group of students from various Secondary Education Boards. To assess communication and computational skills, an online test is conducted during this period.

Advanced Learners:

Advanced learners at KITS are encouraged to go beyond the regular curriculum, leveraging online platforms such as SWAYAM, NPTEL, edX, and Coursera. These students gain valuable hands-on experience at industry laboratories established in collaboration with prominent organizations like Siemens, Salzer, Cisco, IBM, Suse, AMZ-Automotive, and Tessolve Pvt. Ltd. The institution provides coaching for competitive examinations such as GATE, CAT, GRE, and eligibility tests like IELTS, TOEFL, NET, and BEC Vantage. Additionally, advanced learners actively participate in student chapters of professional bodies such as IEEE, ASME, CSI, IETE, and explore internship opportunities through IAESTE-Karunya, as well as prestigious institutions like IITs, NITs, and National Labs.

Slow Learners:

KITS has dedicated initiatives for slow learners. Proficiency classes in Mathematics and Computing are organized for two weeks. Remedial teaching, tutorial classes, and bridge courses are conducted to equip slow learners and lateral entry students with the necessary skills. The institution records and uploads online lectures to facilitate flexible learning. The Mentor-Mentee system has proven to be effective in providing personalized guidance and support. All students undergo comprehensive training encompassing aptitude, reasoning, critical thinking, programming, problem-solving, and soft skills.

File Description	Documents
Upload relevant supporting document	View File
Link For Additional Information	https://karunya.edu/technology-mission

2.2.2 - Student - Full time teacher ratio during the year

Number of Students	Number of Teachers
7455	509

File Description	Documents
Upload relevant supporting document	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

KITS prioritizes a learner-centric approach across all departments, implementing a variety of strategies to enrich the educational experience for students. These include flipped classrooms, domain-specific workshops, concept and mind mapping sessions, case studies, role-playing activities, peer group learning, presentations, industry and community-oriented projects, internships, virtual simulation labs, field visits, and industry training. To ensure the effective implementation of these strategies, faculty members undergo regular training, adapting and adopting student-centric methodologies.

Experiential learning

Students engage in understanding and visualizing concepts, utilizing analytical tools, and honing problem-solving and decision-making skills. They actively participate in funded projects and consultancy work alongside Principal Investigators, gaining valuable research experience. Integrated virtual and simulation labs further enhance the practical aspects of their education. For final year students in B.Sc. (Hons) Agriculture and Horticulture programs, Rural Agriculture Work Experience (RAWEx) and Rural Horticultural Work Experience (RHWE) are integral components, aligning with the norms set by the Indian Council of Agricultural Research (ICAR).

Participative learning

It is promoted through faculty-student engagement in seminars, workshops, conferences, and competitions. The IAESTE program, being student-driven, allows them to take on roles as coordinators, fostering a sense of responsibility and leadership.

Problem-solving learning

This methodology is emphasized to enhance students' cognitive abilities, critical thinking skills, and logical reasoning. Participation in national initiatives such as Smart India Hackathons, Toycathons, Make in India, and AMCATathon allows students to apply their knowledge in real-world scenarios, contributing to national innovation and development.

File Description	Documents
Upload relevant supporting document	View File

2.3.2 - Teachers use ICT enabled tools including online resources for effective teaching and learning processes during the year

KITS was an early adopter of the digital platform and embarked on it a decade ago to enrich the teaching-learning process. Development of technologies in simulation, time-lapse photography, animation, media streaming, interactive online tools and improvement in download/upload speeds, have made teaching pedagogy effective.

Even with conventional delivery during online classes, writing tablets combined with online whiteboards such as Openboard™ enable saving of the lectures, which can be retrieved for revisits by the students later.

ICT-enabled classrooms, seminar halls and gallery halls, lecture capturing classrooms are available to support technology-based teaching-learning. An in-house LMS with a wide range of learner-centric features enables students to access learning materials. KITS has developed Karunya Meet-<https://meet.karunya.edu> for conducting online sessions with features such as whiteboard, breakout rooms, chat, polling, shared notes and screen-sharing for effective and participative learning. Collaboration with edX has provided system-wide system-wide access to MOOC through 'Online Campus Essential' Programme. For access to online resources, the Institution is connected to the National Knowledge Network. Virtual Labs through NMEICT of the Ministry of Education provide access to Remote Laboratories in Science and Engineering. Digital library provides access to e-journals, e-books, and e-magazines @ INFLIBNET. KITS was awarded the QS E-LEAD Certification

File Description	Documents
Upload relevant supporting document	View File

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

2.3.3.1 - Number of mentors

480

File Description	Documents
Upload relevant supporting document	View File
2.4 - Teacher Profile and Quality	
2.4.1 - Total Number of full time teachers against sanctioned posts during the year	
509	
File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File
2.4.2 - Total Number of full time teachers with Ph.D./D.M/M.Ch./D.N.B Superspeciality/D.Sc./D’Lit. during the year	
408	
File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File
2.4.3 - Total teaching experience of full time teachers in the same institution during the year	
2.4.3.1 - Total experience of full-time teachers	
4126	
File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File
2.4.4 - Total number of full time teachers who received awards, recognition, fellowships at State, National, International level from Government/Govt. recognised bodies during the year	
17	

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	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

14

2.5.1.1 - Number of days from the date of last semester-end/ year- end examination till the declaration of results year wise during the year

14

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

2.5.2 - Total number of student complaints/grievances about evaluation against total number appeared in the examinations during the year

133

File Description	Documents
Upload relevant supporting document	View File

2.5.3 - IT integration and reforms in the examination procedures and processes (continuous internal assessment and end-semester assessment) have brought in considerable improvement in examination management system of the institution

KITS had integrated IT into the evaluation process in 2013, transforming the conventional practice into a credible and streamlined system benefiting all the stakeholders. Eduserve, a well- designed in-house ERP provides a platform for a host of examination and evaluation-related metrics.

The practice of uploading question papers is implemented using an individual secured login ensuring uniformity and credibility. Encrypted uniform mark statements, tear and waterproof, Degree Certificates with photographs and 17 security features have been incorporated to make it tamper-proof. The examination process is

fully automated. Online verification of documents and issue of provisional certificates helped students secure admissions in universities abroad and placements

Virtual lab examinations are conducted using Remote Lab and NMEICT. Evaluation of Doctoral thesis and the conduct of oral board examination are online. Karunya being a partner in E-SANAD and NAD- Digilocker, verification of documents has been a contactless and paperless attestation service. As per the requirements of UGC, AICTE and NEP, 2626 students earned credits by registering for 575 courses on the SWAYAM, NPTEL, other online platforms.

Reforms and Improvements:

Through Karunya Examination Platform, one of the internal assessment examinations will be conducted online in Computer Technology Centre. As per the requirements of UGC and NEP, Karunya has registered in Academic Bank of credits (ABC), 5723 students were enrolled in ABC accounts and 1774 ABC credit count has been added in the NAD-Digilocker ABC Portal.

File Description	Documents
Upload relevant supporting document	View File

2.5.4 - Status of automation of Examination division along with approved Examination Manual

A. 100% automation of entire division & implementation of Examination Management System (EMS)

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

2.6 - Student Performance and Learning Outcomes

2.6.1 - The institution has stated learning outcomes (generic and programme specific)/graduate attributes which are integrated into the assessment process and widely publicized through the website and other documents

KITS has well-defined Vision and Mission statements that are reflected in the PEOs and correlated to the POs and PSOs. The POs aligned with the graduate attributes measure the knowledge

gained, skills acquired, values imbibed and attitudes developed. The POs are attained through COs that are specific, measurable, achievable, relevant, and time-bound (SMART). They represent what students are expected to learn and accomplish in each of the theory & laboratory Courses, projects, internships, and co-curricular and extra-curricular activities. PSOs are framed with reference to professional/lead societies viz. ASME, ASCE, IEEE. The COs are framed for each course using Bloom's Taxonomy. The Course Articulation Matrix is prepared to indicate the level of significance between COs, POs and PSOs.

The learning outcomes are assessed through direct and indirect methods.

Direct assessments include internal assessments, projects, presentations, internships, seminars, MOOC and end semester examinations. The indirect assessments are obtained through course-end surveys and student exit surveys.

Practices followed to publicize Learning Outcomes

The PEOs, POs, and PSOs of each program are published on the webpage of each division and also displayed in strategic locations of the institute. The COs feature in the academic handbook, teaching plan, and question papers. The students are apprised of the PEOs, PSOs POs, and COs during the induction program and before the starting of each semester. Learning outcomes are disseminated to the newly recruited faculty members during the training programmes. Training programmes are organized for faculty on the adaptation of OBE across the institute

File Description	Documents
Upload relevant supporting document	View File

2.6.2 - Attainment of Programme outcomes, Programme specific outcomes and course outcomes are evaluated by the institution during the year

The attainment of COs, POs and PSOs is carried out through direct and indirect assessment methods that include Continuous Internal Assessment (CIA), End Semester Examination (ESE) and student feedback.

CO Attainment:

Each IA is conducted for 40 marks and every question is mapped

with the corresponding CO and the knowledge levels of Bloom's Taxonomy.

QA components include assignments, seminars, mini-projects, literature reviews, case studies, term papers, patent and research paper reviews, industry visits, poster presentations, field surveys, and MCQ.

ESE is conducted for 100 marks.

PO and PSO Attainment:

Direct Assessment: Attainment of POs and PSOs are calculated using the Course Articulation Matrix.

Indirect Assessment: PO and PSOs are evaluated based on students' feedback. The questionnaire in the survey represents the Cos, POs and PSOs and their response are quantified on a scale of 3 based on predefined rubrics.

Based on the results of the attainment, appropriate actions are initiated to improve the attainment of POs and PSOs subsequently.

File Description	Documents
Upload relevant supporting document	View File

2.6.3 - Number of students passed during the year

2.6.3.1 - Total number of final year students who passed the university examination during the year

1939

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

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 web link)

<https://karunya.edu/feedback>

RESEARCH, INNOVATIONS AND EXTENSION

3.1 - Promotion of Research and Facilities

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

The Institution has a well-defined policy for research and related activities, which is revised, modified periodically and notified. The academic research regulations, aligning with UGC guidelines, are provided at www.karunya.edu/research/regulations. The Board of Research and Consultancy is chaired by the Vice-Chancellor and all Deans, Directors and Heads of Departments are members.

The salient features of the promotion of research activities and facilities:

1. The important facilities are: polyhouse, animal house, meteorological observatories, NASA-AERONET, DST-Nano Mission funded laboratory, NABL laboratory for food testing, Ministry of Food Processing Industries funded pilot plant facility, AICTE-MODROB funded RF Lab, NVIDIA Lab, Siemens Centre, IBM- BIG DATA Centre
2. Analytical and experimental facilities include AAS, IC, TOC, NMR, HPLC, GC, FTIR, 100T Servo-hydraulic UTM, Supersonic and Sub-sonic wind tunnels, electrocoagulation, electro dialysis and CDI facility for water treatment
3. Incentives are given to faculty members for publishing papers in high-impact factor journals
4. Professional incentives are provided for obtaining funded research.
5. Expenses for patenting is given to the faculty members.
6. Considerable weightage is given for research contributions in the API
7. Travel grants are also given to faculty members

File Description	Documents
Upload relevant supporting document	View File

3.1.2 - The institution provides seed money to its teachers for research (amount INR in Lakhs)

5.92

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

3.1.3 - Number of teachers receiving national/ international fellowship/financial support by various agencies for advanced studies/ research during the year

8

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

3.1.4 - Number of JRFs, SRFs, Post-Doctoral Fellows, Research Associates and other research fellows enrolled in the institution during the year

71

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

3.1.5 - Institution has the following facilities to support research
Central Instrumentation Centre
Animal House/Green House Museum
Media laboratory/Studios
Business Lab
Research/Statistical Databases
Moot court
Theatre Art Gallery

A. Any 4 or more of the above

File Description	Documents
Upload relevant supporting document	View File

3.1.6 - Number of departments with UGC-SAP, CAS, DST-FIST, DBT, ICSSR and other recognitions by national and international agencies during the year

4

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

3.2 - Resource Mobilization for Research

3.2.1 - Extramural funding for Research (Grants sponsored by the non-government sources such as industry, corporate houses, international bodies for research projects) endowments, Chairs in the University during the year (INR in Lakhs)

7.98

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

3.2.2 - Grants for research projects sponsored by the government agencies during the year (INR in Lakhs)

106.92

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

3.2.3 - Number of research projects per teacher funded by government and non-government agencies during the year

19

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

3.3 - Innovation Ecosystem

3.3.1 - Institution has created an eco-system for innovations including Incubation centre and other initiatives for creation and transfer of knowledge

KITS instituted a policy on Innovation, Incubation and Entrepreneurship (IIE) in November 2021. The policy is formulated in alignment with the National Innovation and Startup Policy (NISP) 2019 and the National Education Policy (NEP) 2020. Following this, measures were taken to incorporate a not-for-profit company, under section 8 of the Companies Act, 2013, which resulted in the formation of Karunya Incubation Foundation (KIF) on 31st of May, 2022.

Simultaneously, steps were taken to establish Karunya Technology Business Incubation Park (KTBIP), for the benefit of incubation by students, faculty members and outside industry. An Evaluation Committee for Incubation (ECI) was constituted for the purpose of selection, review and approval of proposals related to incubation and start-up at KTBIP, with Pro Vice-Chancellor (SIR) as the Chairperson, and the Pro VC (QS), Deans, Director (IIE), Director (RC), IPR Coordinator as members, with Faculty Coordinator, Incubation as the Convener.

Progressively, the Park started inviting proposals for incubation. First meeting of the ECI was held in September '21, wherein 20 students were inducted as incubates. Presently, we have 88 students comprising 34 Teams, 56 faculty members comprising 26 Teams, and 6 industry incubating in the Park, and the number is expected to grow. Lab facilities and resources available with various departments of KITS are utilized for furthering the incubation projects.

MoUs are signed with IIT Madras Incubation Cell (IITM-IC), TIMED of Sree Chitra Tirunal Institute of Medical Sciences and Technology (Govt. of India), TIE - Coimbatore Chapter, and CII Coimbatore Centre. Currently, six of our selected students are participating in an intensive 2.5 months internship programme at IITM-IC.

File Description	Documents
Upload relevant supporting document	View File

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

127

3.3.2.1 - Total number of workshops/seminars conducted on Research methodology, Intellectual Property Rights (IPR), entrepreneurship, skill development year wise during the

year

127

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

3.3.3 - Number of awards / recognitions received for research/innovations by the institution/teachers/research scholars/students during the year

3.3.3.1 - Total number of awards / recognitions received for research/innovations won by institution/teachers/research scholars/students year wise during the year

89

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

3.4 - Research Publications and Awards

3.4.1 - The institution ensures implementation of its stated Code of Ethics for research

3.4.1.1 - The institution has a stated Code of Ethics for research and the implementation of which is ensured through the following

1. Inclusion of research ethics in the research methodology course work
2. Presence of institutional Ethics committees (Animal, chemical, bio-ethics etc)
3. Plagiarism check
4. Research Advisory Committee

A. All of the above

File Description	Documents
Upload relevant supporting document	View File

3.4.2 - The institution provides incentives to teachers who receive state, national and international recognitions/awards Commendation and monetary incentive at a

A. All of the above

University function Commendation and medal at a University function Certificate of honor Announcement in the Newsletter / website

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

3.4.3 - Number of Patents published/awarded during the year

3.4.3.1 - Total number of Patents published/awarded year wise during the year

30

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

3.4.4 - Number of Ph.D's awarded per teacher during the year

3.4.4.1 - How many Ph.D's are awarded during the year

68

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

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

2.82

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

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

3.4.6.1 - Total number of books and chapters in edited volumes / books published, and papers in national/international conference-proceedings during the year

87

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

3.4.7 - E-content is developed by teachers For e-PG-Pathshala For CEC (Under Graduate) For SWAYAM For other MOOCs platform For NPTEL/NMEICT/any other Government Initiatives For Institutional LMS

D. Any 2 of the above

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

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

Scopus	Web of Science
6.46	4.93

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

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

Scopus	Web of Science
26	22

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

3.5 - Consultancy

3.5.1 - Institution has a policy on consultancy including revenue sharing between the institution and the individual and encourages its faculty to undertake consultancy

Faculty members undertake consultancy assignments that have an R&D component and value to society. The Institution advocates industrial collaborations so that the faculty members get exposure to real field problems and pathbreaking solutions. The Institution promotes the utilization of laboratory facilities for the testing and evaluation needs of the industries. KITS also encouraged academic collaborations and consultation for academicians, research scholars and students of neighboring Institutions.

A policy to this effect is approved by the Research Advisory Council and Academic Council and is being followed by the faculty members. The policy states the modus operandi, procedures to be followed while taking up consultancy assignments and revenue sharing with the faculty and staff coordinators.

The salient features of the policy concerning revenue sharing are given below:

I. Incentive for the Projects where Institutional facilities (infrastructure) are utilized.

- Consultancy Coordinator - 35%
- Institution - 35%
- Department/Division Budget - 20%
- Lab Assistant - 10%

II. Incentive for the Projects where Institutional facilities (infrastructure) are not utilized.

- Consultancy Team - 55%
- Institution - 30%
- Department - 15%

KITS has worked on various consultancy assignments received from Government organizations, academic institutions, national and international agencies and industries. Several Ph.D. scholars, PG and UG students have opted to use KITS facilities for completing their research and project assignments. The faculty members and staff of KITS have worked as consultants in those projects and research works.

File Description	Documents
Upload relevant supporting document	View File

3.5.2 - Revenue generated from consultancy and corporate training during the year (INR in Lakhs)

3.5.2.1 - Total amount generated from consultancy and corporate training during the year (INR in lakhs)

84.58

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

3.6 - Extension Activities

3.6.1 - Extension activities in the neighbourhood community in terms of impact and sensitising students to social issues and holistic development during the year

KITS is deeply committed to fostering the holistic development of its students. As part of the curriculum, undergraduate students, across disciplines, are mandated to earn 3/4 Non-Academic Credits through extension activities. Various clubs, including NCC, NSS, YRC, Rotaract, Nature, Journalism, Music, and Photography Clubs, along with the Karunya Arts Literary Association, drive this non-formal curricular movement.

Responding to the Prime Minister's calls for Swachh Bharat Abhiyan and Unnat Bharat Abhiyan, students actively engage in

encouraging villagers to adopt healthy habits. KITS places a significant focus on skill-based training camps, promoting education, awareness about child abuse, preventing substance abuse, women's empowerment, eradicating child labor, and emphasizing the conservation of nature, water, and natural resources. The clubs also contribute to fostering entrepreneurship in villages.

NSS Special Camps involve impactful activities like school renovation, tree plantations, road cleaning, medical camps, and veterinary camps in nearby villages. The Youth Red Cross organizes health and blood donation camps, spreading messages of wellness through mediums like posters and skits.

KALA and the Music Club nurture talents through cultural activities and performing arts. The Nature Club & NSS, known as the green warriors, organize nature walks, trekking, and afforestation drives, complemented by lecture-demonstrations on creating a greener Earth. Journalism and Photography Clubs initiate visits to TV studios, deliver lectures on current journalism trends, and produce in-house editions. The Rotaract Club provides tutorial coaching to students in government middle schools in and around Karunya Nagar. Through these diverse initiatives, KITS actively shapes socially responsible and well-rounded individuals.

File Description	Documents
Upload relevant supporting document	View File

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

3.6.2.1 - Total number of awards and recognition received for extension activities from Government / Government recognised bodies during the year

2

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

3.6.3 - Number of extension and outreach programs conducted by the institution including

those through NSS/NCC/Red cross/YRC during the year(including Government initiated programs such as Swachh Bharat, Aids Awareness, Gender Issue, etc. and those organised in collaboration with industry, community and NGOs)

116

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

3.6.4 - Total number of students participating in extension activities listed at 3.6.3 above during the year

4695

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

3.7 - Collaboration

3.7.1 - Number of collaborative activities with other institutions/ research establishment/industry for research and academic development of faculty and students during the year

3.7.1.1 - Total number of Collaborative activities with other institutions/ research establishment/industry for research and academic development of faculty and students during the year

304

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

3.7.2 - Number of functional MoUs with institutions/ industries in India and abroad for internship, on-the-job training, project work, student / faculty exchange and collaborative research during the year

30

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

INFRASTRUCTURE AND LEARNING RESOURCES

4.1 - Physical Facilities

4.1.1 - The institution has adequate facilities for teaching - learning. viz., classrooms, laboratories, computing equipment, etc.

The Institution has established facilities adhering to the stipulations of AICTE, UGC and ICAR.

Physical Facility:

- 137 ICT-enabled classrooms, 4 seminar halls and 8 gallery halls with smart technology and 126well-equipped laboratories.
- Three auditoriums of 12,992 sq.m for co-curricular activities and capacity-building programmes.

Domain-Specific Laboratories:

- Nanofabrication, Nanotoxicology and Tissue Engineering
- NABL Accredited Food Quality Testing Lab
- Wind tunnel, supersonic, subsonic and water tunnel, shock tube facility and UAV
- Karunya-Seimens, NVIDIA, Karunya-SALZER Centre
- NDT and 100T Servo-Hydraulic UTM-MTS
- 3D Printing and Nanofluid Heat Transfer laboratory
- IoT laboratory for AI, Blockchain laboratory, CISCO, SUSE, IBM-BIG DATA centre
- Wind Energy
- Advanced Analytical Chemistry with NMR facility 329-acre Agriculture Farm with Polyhouse

- Animal house
- Media labs

Computing Facility:

- A Computer Technology Centre with 15 laboratories of 3046.60 sq.m.
- 44 high-end Servers (IBM Pureflex System, IBM Storwize V7000 Storage, FreeNAS Storage Appliances, HP and Dell Rack Servers) with 81TB Storage Area Network.
- Green computing using VMware products.
- Internet connectivity with a bandwidth of 1500 Mbps
- Nvidia DGX station
- Subscription to a host of licensed software.

Library:

A three-story air-conditioned and fully automated Central Library of 3083.3 sq.m. Reading area, digital library, reference books section, journals, thesis and research carrel.

File Description	Documents
Upload relevant supporting document	View File

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

KITS has created an excellent infrastructure on campus for organizing a wide range of events to develop the mind and bodies of the students and place them in the highest realms of society. A significant investment on resources and infrastructure has been made to enrich the students' cultural and social life.

KITS has a multi-purpose auditorium with an area of 9449.25 sq. m for mega cultural events. Another Auditorium with an area of 2330 sq. m with ceiling mounted special lights for concerts and cultural events.

Karunya sports complex is extensively used by the students for

sporting events in an arena that spreads over 15 acres. 10 volley Ball courts, 2 football courts, 1 hockey court, 9 badminton courts, 4 basketball courts, 5 kabaddi courts, 4 ball badminton courts, 2 handball court, 2 lawn tennis court, 2 cricket nets for practice, 2 throw ball courts, 2 tennikoit courts, 2 standard 400 m 8 lane tracks and 10 galleries are available. All courts are well-laid as per SAI standards with flood lights.

The indoor sports facilities include 5 badminton courts, 1 basketball court, 1 lawn tennis court, 1 kabaddi court, 8 table tennis tables, 14 carom boards and 40 chess boards.

7 sophisticated gymnasiums for physical fitness established in the student residences.

File Description	Documents
Upload relevant supporting document	View File

4.1.3 - Availability of general campus facilities and overall ambience

Located 30 km from Coimbatore, KITS is situated amidst the mountain ranges of Western Ghats. An infrastructure with academic blocks housing 17 departments, an administrative, an air-conditioned library, a Computer Technology Centre, three large auditoriums and a 329-acre agriculture farm provide a robust academic ecosystem. The campus has well-laid bitumen topped roads connecting all facilities.

15 multi-storeyed residential halls are available for students' accommodation with, modern kitchen facilities catering to the regional diversity. A sports arena spanning over 15 acres is available for sports and games. A 100-bedded rural community hospital is available for specialized treatments. Department stores, post office, Canara bank, ATMs, guest house, restaurants and petrol bunks are available. Uninterrupted water and power supply to cater to the entire university community. As part of energy conservation initiatives, a functional 115 kW solar power plant, 29 solar water heaters, and 7958 LED lights are in place. 33 rainwater harvesting units and a 25,000 liters capacity Ferrocement tank for rainwater harvesting are in operation. 5 Sewage Treatment Plants-STPs are on campus and the treated water is used for farming and gardening. Four biogas plants are available that generate 114kg/day of cooking gas. An eco-friendly paper recycling unit converts 150-200 kg of wastepaper.

File Description	Documents
Upload relevant supporting document	View File

4.1.4 - Total expenditure excluding salary for infrastructure augmentation during the year (INR in Lakhs)

6776.59

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

4.2 - Library as a Learning Resource

4.2.1 - Library is automated using Integrated Library Management System (ILMS) and has digitisation facility

The Central Library boasts a state-of-the-art RFID-enabled Integrated Library Management System (LMS) and a digital repository, accessible through its web portal 24/7. Housed in a climate-controlled building, the library leverages an intelligent LMS with RFID technology, seamlessly integrated with the university's advanced AutoLib software. This system facilitates automated services such as Self Check-in, Check-out, inventory management, library security, etc. The web-centric LMS manages a comprehensive collection, comprising 142346 books, 2,596 journals (both print and e-journals), and 211,652 e-books. Users can access these resources through the web OPAC and mobile app.

The library ensures remote access for authorized users and provides seamless access to prominent databases like Science Direct, ProQuest, Springer, IEEE, EBSCO, Pearson, Indianjournals.com, Scopus, and Web of Science through INFED. Membership affiliations with INFLIBNET, DELNET, NDLI facilitate unlimited access to millions of resources via hi-speed broadband and Wi-Fi. The digital library hosts previous year question papers and incorporates Turnitin plagiarism detection software. Touch KIOSKS are available for accessing, viewing, copying, and sharing electronic resources. Additionally, the library organizes seminars, workshops, and orientation programs, tailored to users' needs. Positioned as the knowledge hub, the learning resource centre aligns with its mission to support the institution's teaching, learning, and research requirements.

File Description	Documents
Upload relevant supporting document	View File
4.2.2 - Institution has subscription for e-Library resources Library has regular subscription for the following: e – journals e-books e-ShodhSindhu Shodhganga Databases	A. Any 4 or all of the above
File Description	Documents
Upload relevant supporting document	View File
4.2.3 - Annual expenditure for purchase of books/ e-books and subscription to journals/e-journals during the year (INR in Lakhs)	
172.35	
File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File
4.2.4 - Number of usage of library by teachers and students per day (foot falls and login data for online access)	
3431	
File Description	Documents
Upload relevant supporting document	View File
4.3 - IT Infrastructure	
4.3.1 - Number of classrooms and seminar halls with ICT - enabled facilities such as LCD, smart board, Wi-Fi/LAN, audio video recording facilities during the year	
149	

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

4.3.2 - Institution has an IT policy, makes appropriate budgetary provision and updates its IT facilities including Wi-Fi facility

IT infrastructure is crucial and paramount to supporting teaching- learning, research and extension in the higher education sector.

KITS has enhanced its infrastructure facility to meet the need for online platforms for teaching-learning.

The Computer Technology Centre (CTC) is housed in a building of 3,614 sq.m and has 15 laboratories, a campus network with a 1Gbps fiber-optic backbone, and internet connectivity with a bandwidth of 1500Mbps.

The CTC maintains the infrastructure and IT resources based on a well-defined IT policy. The following are the salient features of the IT policy.

Statements are framed in line with the guidelines of the GoI and the IT laws of the country covering the usage of systems, the Internet and all IT resources.

Privacy and security features are outlined. Guidelines for online examinations are provided. Policies on video surveillance are detailed.

Implementation and adherence to the policy:

The policy is enforced by way of:

Centralized authentication and authorization servers Enterprise-grade firewall with Unified Threat Management features

Centralized logging of user activity

Expansion Plans:

- Increasing the internet bandwidth

- **Implementation of ISO 27001 standard**

- **Expanding data storage**

.Creating Karunya Cloud

File Description	Documents
Upload relevant supporting document	View File

4.3.3 - Student - Computer ratio during the year

Number of students	Number of Computers available to students for academic purposes
7455	1812

4.3.4 - Available bandwidth of internet connection in the Institution (Leased line)

- **?1 GBPS**

File Description	Documents
Upload relevant supporting document	View File

4.3.5 - Institution has the following Facilities for e-content development Media centre Audio visual centre Lecture Capturing System(LCS) Mixing equipment's and softwares for editing

A. All of the above

File Description	Documents
Upload relevant supporting document	View File
Upload the data template	View File

4.4 - Maintenance of Campus Infrastructure

4.4.1 - Total expenditure incurred on maintenance of physical facilities and academic support facilities excluding salary component during the year

2407.58

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

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

Academic Facilities, Utilization and Maintenance:

Classrooms:

- For teaching and learning, 141 smart classrooms and 8 gallery halls with audio-visual facilities are available.
- The Heads of the Departments ensure that the classrooms have adequate furniture and other facilities
- The construction and Maintenance Department takes care of Repair/Service works

Laboratory Facility:

- Heads of Department and faculty coordinators of laboratories are responsible for the utilization and Maintenance of the laboratories
- The laboratories are maintained by qualified technicians
- AMCs are in place for sophisticated instruments

Library Facility:

- The Central Library is equipped with all facilities and learning resources
- The library is kept open from 8 AM to 11 PM from Monday to Friday and 8 AM to 5.30 PM on Saturdays.
- The Chief Librarian is responsible for the overall management of the library.
- The library is automated through the AutoLib software

Computing Facility:

- The Computer Technology Centre houses 15 laboratories for all students
- The CTC is maintained by technicians and a Head(CTC)
- Internet and Wi-Fi facilities
- Online tickets are raised for any service requirement which is attended to within 2 days.

Sports Facility:

Head of Physical Education ensures the maintenance of all sports facilities.

File Description	Documents
Upload relevant supporting document	View File

STUDENT SUPPORT AND PROGRESSION

5.1 - Student Support

5.1.1 - Total number of students benefited by scholarships and free ships provided by the institution, Government and non-government agencies (NGOs) during the year (other than the students receiving scholarships under the government schemes for reserved categories)

1876

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

5.1.2 - Total number of students benefited by career counselling and guidance for competitive examinations offered by the Institution during the year

9999

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

5.1.3 - Following Capacity development and

A. All of the above

skills enhancement initiatives are taken by the institution Soft skills Language and communication skills Life skills (Yoga, physical fitness, health and hygiene) Awareness of trends in technology

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

5.1.4 - The Institution adopts the following for redressal of student grievances including sexual harassment and ragging cases Implementation of guidelines of statutory/regulatory bodies Organisation wide awareness and undertakings on policies with zero tolerance Mechanisms for submission of online/offline students' grievances Timely redressal of the grievances through appropriate committees

- All of the above

File Description	Documents
Upload relevant supporting document	View File

5.2 - Student Progression

5.2.1 - Number of students qualifying in state/ national/ international level examinations during the year (eg:NET/SLET/GATE/GMAT/CAT/ GRE/TOEFL/Civil Services/State government examinations)

5.2.1.1 - 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

95

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

5.2.2 - Total number of placement of outgoing students during the year

1188	
File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File
5.2.3 - Number of recently graduated students who have progressed to higher education (previous graduating batch) during the year	
348	
File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File
5.3 - Student Participation and Activities	
5.3.1 - Number of awards/medals won by students for outstanding performance in sports/cultural activities at inter -university/state/national/international events (award for a team event should be counted as one) during the year	
19	
File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File
5.3.2 - Presence of Student Council and its activities for institutional development and student welfare	
<p>Considering the importance of student participation in governance and their input for modifying and improving the overall academic and administrative processes, KITS has the following systems for representation.</p> <ul style="list-style-type: none"> • The student panel representatives meet at least once in a month and provide suggestions and recommendations to the Heads of the Department. • The student committees manage important activities related to an international exchange programme, cultural clubs under 	

extension activities and sports events.

- The student committees are actively involved in decisions pertaining to the welfare of the hostels.
- As members and coordinators in Curriculum Development Cell and Entrepreneurship Cell.
- Suggestions from the student's sports committee to upgrade sports facilities such as courts, stadiums and gymnasiums were implemented.
- Involvement of students in the planning and implementation of skill development programmes and placement activities leading to better placement opportunities.
- Some of the student welfare activities include: scholarships and fee concessions to deserving students, 'earn while you learn' opportunities, seed money for project work, international internships, incubation and start-up facilities

Mentor-mentee meetings are held once in a fortnight to address the mentee's concerns and problems. There is a platform 'tellus@karunya.edu' to address their grievances.

File Description	Documents
Upload relevant supporting document	View File

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

13

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

5.4 - Alumni Engagement

5.4.1 - The Alumni Association/Chapters (registered and functional) contributes significantly to the development of the institution through financial and other support services during the year

KITS has two registered Alumni Associations: Karunya International Alumni Association and Karunya Alumni Association

India. Since 1990, KITS has groomed a large number of distinguished alumni - CEOs, industrialists, scientists, business tycoons and entrepreneurs.

Alumni are involved in mentoring, guiding the students in their projects, 'Alumni Lecture Series', career counselling programmes, mock interviews.

The alumni serve in IQAC Committee, Board of Studies and Academic Council.

Alma-Connect, a social media platform, links up different national and international chapters.

They extend support to the students for initiating start-ups and entrepreneurship ventures.

A magazine called "Missing Link" is published to connect the past with the present. Through their mouthpiece 'Missing Link', the alumni help other alumni to build their career.

Alumni have volunteered to be a part of the research and product development related to the four thrust areas of societal importance-water, food, healthcare and energy.

The alumni have taken initiative to establish Karunya Alumni Business Network (KABN) which handholds students in their innovation, incubation and start-up ventures.

File Description	Documents
Upload relevant supporting document	View File

5.4.2 - Alumni contribution during the year (INR in Lakhs)	A. ? 5Lakhs
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File Description	Documents
Upload relevant supporting document	View File

GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 - Institutional Vision and Leadership

6.1.1 - The institution has a clearly stated vision and mission which are reflected in its academic and administrative governance

KITS has a well-defined vision focused on serving humanity with a social conscience, addressing challenges through technical education, research, and extension activities. The institution's mission is to guide its students to achieve academic excellence and professional competence while upholding social ethics. Additionally, the mission emphasizes finding solutions to human problems in critical areas such as water, food, healthcare, and sustainable energy. Furthermore, KITS aims to instill a sense of responsibility for the well-being of the elderly and the physically and mentally challenged, encouraging the development of technology and products in laboratories to alleviate their suffering.

The institution prominently displays its vision and mission statements on the website, digital signage, academic blocks, and other key locations. To align with these guiding principles, eight specific goals have been identified. Statutory committees, formed in accordance with UGC/MoE regulations, play a crucial role in providing policies and guidelines, monitoring progress toward achieving these goals.

Programmatic actions include annual visioning programs for both faculty and students, incorporating valuable feedback from employers in industries and organizations. Quality parameters essential for excellence in academics, administration, and extension activities are continuously mapped against benchmarks set by accrediting and ranking agencies. This strategic approach ensures that KITS remains dedicated to its vision and mission, fostering an environment that not only excels in education but also actively contributes to societal well-being.

File Description	Documents
Upload relevant supporting document	View File

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

Introduction:

The institution's policies grant autonomy to Deans, Directors, and Heads of Departments, empowering them to oversee Academics, Research, Infrastructure, and Finance. The Vice-Chancellor, Pro-Vice Chancellors, and Registrar provide support to facilitate the accomplishment of set goals and targets.

Financial Management through Participation:

Heads of Departments formulate an annual budget based on manpower and infrastructure needs, which the Deans review and recommend to the Executive Committee for approval. The final budget undergoes scrutiny by the Finance Committee as per statutory requirements. The Deans and Heads then operate the approved budget.

Administration of Academics:

Heads of Departments are responsible for academic matters, including curriculum preparation, syllabus revision, and the introduction of new courses. These tasks are carried out through the Curricula Development Cell (CDC), with recommendations from the Board of Studies and approval from the Academic Council.

Placement Coordination:

Each department's Placement Coordinators collaborate with the Central Placement and Training Officer for company-specific training, upskilling, and placement activities.

Management of Research:

Principal Investigators, Ph.D. supervisors, and Coordinators oversee institutional research projects and academic research.

Student Residence Oversight:

The hostel administration appoints faculty members as Chief Wardens, Joint Chief Wardens, Wardens, and Mess Superintendents to manage student residence affairs.

File Description	Documents
Upload relevant supporting document	View File

6.2 - Strategy Development and Deployment**6.2.1 - The institutional Strategic plan is effectively deployed**

The institution has devised a five-year strategic plan for Teaching and Learning, Research, Governance and Sustainability subject to periodic monitoring and evaluation. Recognizing the need for objectivity in tracking the implementation progress of strategic plans, the institution

acknowledges the effectiveness of Logical Framework Analysis (LFA) as a valuable tool.

File Description	Documents
Upload relevant supporting document	View File

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

All the guidelines and norms prescribed by UGC for the governance of Deemed-to-be University are meticulously followed by KITS.

- The institution is headed by the Vice-Chancellor who in consultation with the members of the Board of Management (BoM) consisting of representatives of UGC and MHRD, frames the governing statutes. The Vice-Chancellor oversees the governance of the institution.
- The Registrar ensures that all the decisions are implemented.
- The organizational structure reflects a participatory and bottom-up approach with the faculty members, Heads, Deans, Directors and Controlling Officers working within the framework of the rules.
- Different statutory bodies monitor and evaluate the implementation of the policies and recommend the required policy changes to the BoM. For transparency, the HR policy is hosted on the website.
- The Institution has well-specified outcomes and targets to utilize its human resources optimally. Based on the performance appraisal of the faculty the HR committee awards the annual increment and cadre revision.
- The fee structure is derived considering the operating cost of each program.
- The consolidated budget is placed before the Finance Committee for approval.

All policies, service rules and guidelines are uploaded in the

Karunya Intranet for transparency.

File Description	Documents
Upload relevant supporting document	View File

6.2.3 - Institution Implements e-governance in its areas of operations**6.2.3.1 - e-governance is implemented covering following areas of operation**

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

A. All of the above

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

6.3 - Faculty Empowerment Strategies

6.3.1 - The institution has a performance appraisal system, promotional avenues and effective welfare measures for teaching and non-teaching staff

- The Institution has a well-defined automated performance appraisal system. The faculty members update their publications and achievements on the online portal, which computes his/her API score.
- The IQAC organizes annual programmes to sensitize and orient the faculty members on teaching, learning & evaluation, research proposal preparation and IP.
- All the faculty members utilize Karunya MEET in the teaching learning process and ensure compliance to the COs and POs.
- Faculty members receive incentives for good quality SCI indexed publications, consultancy assignments and funded projects, motivating faculty to publish in high impact factor journals.
- The non-teaching staff are trained periodically to upgrade their technical skills.

Welfare Measures

Faculty and Staff

- Pay scale fixation as per 6th Pay Commission with appropriate DA
- EPF and Gratuity, Staff Benevolent Fund, Medical Insurance
- Quarters at subsidized rent to faculty and staff.
- Scholarship for children of staff at admission stage; School fee concession/scholarship in Karunya School
- Facilities on campus: Bank, ATMs, post office, schools, buses, campus security, telephone exchange, guest house, restaurant, canteen, police station, rural community hospital and electricity sub-station

Workload concessions for faculty having ongoing funded research projects and consultancy assignment

File Description	Documents
Upload relevant supporting document	View File

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

6

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

6.3.3 - Number of professional development / administrative training Programmes organized by the institution for teaching and non-teaching staff during the year

29

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

6.3.4 - Total number of teachers undergoing online/ face-to-face Faculty Development Programmes (FDP)during the year(Professional Development Programmes, Orientation / Induction Programmes Refresher Course, Short Term Course)

125

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

6.4 - Financial Management and Resource Mobilization

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

Resource Mobilisation Policy

The Institution has a well-planned financial management system with a digital mode for transparency and efficiency. The primary source of income is fees from students and research grants from government funding agencies, including funded projects, consultancy income and alumni contributions.

Scope of the Policy:

Planning Infrastructural requirements:

The infrastructure Development Committee works out the infrastructure requirement with the financial commitment during the beginning of each academic year and facilitates the Construction and Maintenance Department and Purchase Department to proceed with implementation.

Budget Planning for yearly recurring and non-recurring expenditure:

Provisional budget proposals are invited from the Deans, Heads of Departments and Controlling Officers in the month of Jan / Feb for the next academic year and placed in the Finance Committee and BoM. A mid-term revision of the budget is carried out to optimally utilize the sanctioned amount within the fiscal year. Provisions for the approval of the budget for specific requirements are in place. Monitoring the Utilisation of funds:

KITS has an independent Statutory Audit Firm to audit the accounts as per the statutory requirements of the Institution and the government. An in-house internal auditor audits the day-to-

day operations on a regular basis.

File Description	Documents
Upload relevant supporting document	View File

6.4.2 - Funds / Grants received from government bodies during the year for development and maintenance of infrastructure (not covered under Criteria III and V) (INR in Lakhs)

112.80

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

6.4.3 - Funds / Grants received from non-government bodies, individuals, philanthropists during the year for development and maintenance of infrastructure (not covered under Criteria III and V)(INR in Lakhs)

10

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

6.4.4 - Institution conducts internal and external financial audits regularly

KITS conducts internal and external financial audits regularly as per the statutory norms. The Finance Officer, who is a qualified Chartered Accountant and his experienced team ensure proper utilization and accounting of funds.

External Audit:

A firm of Chartered Accountants conducts the external statutory audits, covering all financial and accounting activities of the Institution. This includes scrutiny and verification of the following:

1. All receipts from fees, grants, contributions, interest earned and miscellaneous incomes;
2. All payments to staff, vendors, contractors, other service

providers and student refunds;

3. Fixed asset accounting, asset capitalization, accounting of fixed deposits, renewal and loan repayment;

4. All the contracts and agreements entered into by the Institution with banks and financial institutions, corporates, contractors, vendors, etc.; and

5. Compliance with all statutory returns to Government agencies like Income Tax, Goods and Service Tax, Provident Fund, etc.,

6. Financial transactions pertaining to all externally funded projects are also subject to external auditing and the expenditure statement and utilization certificate are endorsed by the external auditor.

Internal Audit:

KITS engage a qualified independent Internal Auditor and a team of auditors and staff under them to check and verify all vouchers and documents.

File Description	Documents
Upload relevant supporting document	View File

6.5 - Internal Quality Assurance System

6.5.1 - Internal Quality Assurance Cell (IQAC) has contributed significantly for institutionalizing the quality assurance strategies and processes by constantly reviewing the teaching learning process, structures & methodologies of operations and learning outcomes at periodic intervals

The IQAC at KITS has been instrumental in establishing and refining strategies and processes for the institution's academic growth. The institution's IQAC serves as a scaffold for academic development, monitoring, and maintaining quality assurance in teaching, learning, and evaluation. Under the coordination of the Head of Training and IQAC, regular training programs are organized to equip faculty members and non-teaching staff with the skills needed to adapt to global changes.

The institution has implemented a structured mechanism for developing a learner-centric, activity-based teaching plan. Additionally, a comprehensive 2-3-week induction program is conducted for newly recruited faculty members, focusing on

preparing them to be effective teachers, mentors, counselors, and leaders.

Academic Audit:

The institution conducts academic audits with the primary goal of streamlining academic functions and standardizing practices to ensure optimal performance from every faculty member in teaching and learning. This institutionalized practice includes evaluating the teaching-learning practices through external experts from esteemed national institutions such as IITs and NITs. The values obtained through the academic audit experts are used to assess the attainment of Program Outcomes (POs) and Program Specific Outcomes (PSOs) at the time of graduation. This standardized approach supports departments in achieving NBA accreditations for their programs.

File Description	Documents
Upload relevant supporting document	View File

6.5.2 - Institution has adopted the following for Quality assurance Academic Administrative Audit (AAA) and follow up action taken Confernces, Seminars, Workshops on quality conducted Collaborative quality initiatives with other institution(s) Orientation programme on quality issues for teachers and studens Participation in NIRF Any other quality audit recognized by state, national or international agencies (ISO Certification, NBA)

A. Any 5 or all of the above

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

6.5.3 - Incremental improvements made for the preceding during the year with regard to quality (in case of first cycle) Post accreditation quality initiatives(second and subsequent cycles)

KITS has taken various initiatives to enhance with regard to Quality.

Some of the Key Initiatives are:

1. Ensure alignment with accreditation criteria and uphold high-quality standards by devising Strategic plans.
2. Plan and implement Faculty Development Programs to enhance Teaching and Research skills
3. Evaluate existing policies related to Academics, Administration and Quality Assurance.
4. Implementation of Blended Learning in accordance with NEP.
5. The respective Heads of Departments (HoDs) and Deans have been briefed on the post-accreditation initiatives for efficient execution.

Incremental Improvements:

In 2022-23, there was a notable enhancement across various metrics compared to 2021-22. The institution witnessed a significant increase in the number of value-added courses, student enrollment in these courses, and participation in field projects/internships. Additionally, more full-time teachers acquired Ph.D.

The institution also allocated higher seed money for research and generated increased revenue from consultancy and corporate training. There was a substantial rise in publications and outreach programs. Placement of outgoing students and progression to higher education also saw marked improvements. Moreover, a greater number of professional development programs and FDP participation were observed among teaching and non-teaching staff.

File Description	Documents
Upload relevant supporting document	View File

INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 - Institutional Values and Social Responsibilities

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

KITS prioritizes the safety and well-being of women within its campus. In adherence to UGC guidelines and Supreme Court

directives, an Internal Compliance Committee (ICC) has been established. The curriculum incorporates seven gender-related courses to promote inclusivity.

Maintaining a nearly equal female-male gender ratio for both faculty and students, the institute strives for a balanced and inclusive environment. A special scholarship of Rs. 40,000 per annum is awarded to female students pursuing professional programs, further encouraging their academic endeavors. Women faculty members actively engage in academic-administrative roles within the institution.

Safety and Security: Girl students are provided accommodation in well-equipped resident halls featuring amenities such as water dispensers, solar water heaters, ATMs, department stores, gymnasiums, sports complexes, beauty parlors, tailoring units, fruit juice shops, and food courts.

Counselling: Senior Resident Advisors (SRAs) and caretakers offer day-to-day assistance and address the concerns of students, fostering a supportive and nurturing atmosphere.

Common Room: Each academic block on campus features a women's care room equipped with essential amenities such as a bed and first aid kits. In emergencies, ambulance services and transportation are readily available, ensuring the well-being of the female student community.

Physical Education:

Women players are encouraged to participate in different tournaments like National / All India Inter University / South Zone Inter University / State Level Inter Deemed University Tournament etc.

File Description	Documents
Upload relevant supporting document	View File
Annual gender sensitization action plan(s)	https://karunya.edu/iqac/sustainability
Specific facilities provided for women in terms of: a. Safety and security b. Counseling c. Common rooms d. Daycare Centre e. Any other relevant information	https://www.karunya.edu/infrastructure/

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

A. Any 4 or All of the above

File Description	Documents
Upload relevant supporting document	View File

7.1.3 - Describe the facilities in the Institution for the management of the following types of degradable and non-degradable waste (within 200 words) Solid waste management Liquid waste management Biomedical waste management E-waste management Waste recycling system Hazardous chemicals and radioactive waste management

KITS is a residential institution with 7455 students and 509 faculty living in the 15 resident halls and 15 apartment complexes spread across a 476-acre campus, several strategies have been adopted to implement the Sustainable Development Goals of UN, for effective management of solid waste, grey and black water.

Solid Waste Management and Recycling:

To manage solid waste, collection bins have been placed at different locations on campus. After segregation, the biodegradable waste is subject to degradation by organic composting and the bio-fertilizer is utilized in the 329-acre experimental farm for academic, research and community development activities.

Liquid Waste Management:

The grey and black water from the residences are treated in the 4 Sewage Treatment Plants (STP) and 4 Biogas plant installed on campus. 2500 KLD of wastewater is treated as per the treatment process. The water is reused for gardening and irrigation through 118 outlets on campus.

The four Biogas plants of 360 cu.m capacity generate 114 kg of cooking gas/day (equivalent to 6 commercial gas cylinders).

Hazardous Waste:

KITS follows the UGC guidelines, of 2011 with regard to the usage and storage of chemicals for academic and research purposes.

File Description	Documents
Upload relevant supporting document	View File

**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
Upload relevant supporting document	View File

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
Upload relevant supporting document	View File

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

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

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

A. Any 4 or all of the above

File Description	Documents
Upload relevant supporting document	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
Upload relevant supporting document	View File

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)

KITS offers a multicultural and multilingual atmosphere to its

students representing the 33 States and Union Territories of India. As the institution promotes the holistic development of students, various events are organized to enhance the spirit of patriotism, fraternity, social and environmental consciousness, gender sensitization and more.

- Regional Menu is available for students from different states.
- National and State festivals are celebrated promoting communal harmony.
- Programs are conducted commemorating significant days such as Independence Day and Republic Day. On such special occasions, sports and cultural events are organised for the children in the neighbouring rural and tribal communities. Students also visit orphanages and homes for the physically and mentally challenged and distribute sweets and gifts.
- To instill confidence and a sense of belonging in the minds of differently-abled children, games are conducted for them on 'World Disabled Day observed.
- Students engage themselves in clean-up campaigns aligned to Swachh Bharat Mission.

During the graduation ceremony, wheelchairs and tri-wheel vehicles are proffered to the differently-abled people and sewing machines for economically disadvantaged tribal and rural women.

File Description	Documents
Upload relevant supporting document	View File

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

Promoting the sensitization of students and employees at Karunya Institute of Technology & Sciences to constitutional obligations, values, rights, duties, and responsibilities is crucial for fostering a responsible and informed citizenry.

The curriculum of KITS includes a compulsory course on 'Constitution of India' for all students. Conferences and action programmes are conducted regularly to create consciousness among students to become responsible citizens. Extramural lectures are organized to highlight the salient features of the Indian

Constitution and the Architects of the freedom struggle of India. Awareness programs are conducted on stewardship of natural resources, conservation of ecosystem, protection of public property, human rights, duties and responsibilities of citizens enshrined in the Constitution of India.

- Independence Day and Republic Day are celebrated annually with patriotic fervor.
- Birth anniversaries of national leaders Mahatma Gandhi, Pandit Jawaharlal Nehru, Sardar Vallabhbhai Patel and Shri S Radhakrishnan are observed, emulating their exemplary life.
- To inculcate values in students, KITS sows the seeds of patriotism and communal harmony, thus moulding them as citizens with societal concern.
- Mindkraft, A National level Techno Management Festival was held on March 24 and 25,2023.

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

All of the above

File Description	Documents
Upload relevant supporting document	View File

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

KITS inculcate in students the spirit of nationalism and social values by blending co-curricular activities with core learning.

Karunya community observes significant National Days such as Independence Day, Republic Day, Rashtriya Ekta Diwas, and Martyrs' Day to instill patriotic fervor, inspire future generations to live in harmony and ignite young minds to serve

the nation with passion.

On the 15th of August every year, we recall the sacrifice of the freedom fighters, cherish the rich heritage of our country, and remember with pride the achievements and progress made since Independence, depicted through performing arts and motivational speeches.

Water being one of the thrust areas in the Technology Mission of KITS, World Water Day is celebrated with verve.

World Wetlands Day is observed every year to showcase our rich biodiversity and impress upon the need to maintain a robust ecosystem for sustaining livelihood.

On International Women's Day, the women faculty are recognized for their contribution to teaching, mentoring, research and corporate life.

File Description	Documents
Upload relevant supporting document	View File

7.2 - Best Practices

7.2.1 - Describe one best practice successfully implemented by the Institution as per NAAC format provided in the Manual

INNOVATION-BASED LEARNING FOR INCUBATION AND ENTREPRENEURSHIP

Objectives:

Towards inculcating an innovative culture and creative thinking leading to a start-up ecosystem, the curricula and syllabi were restructured with emphasis on application through product development, technology transfer and establishment of an incubation cell. The best practices to achieve the objective include:

- Experiential learning
- Imparting practical skills
- Developing indigenous technologies and products
- Incubate ideas leading to start-ups and entrepreneurship

The Context

- Meet the demands of Industry 4.0
- Achieve the Sustainable Development Goals (SDGs) Take technology from lab to land
- Expose the student community to global standards in learning Contribute to the theme of Self-reliant India (Aatma NirbharBharat)
- Develop a model for the entrepreneurship ecosystem

The Practice

- Transdisciplinary studies and related activities in the context of NEP
- Entrepreneurship oriented courses
- Digital learning leading to innovation and extension
- Funded research projects, product development and consultancy
- Peer learning

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)

Focus on Socially Relevant Domain of WATER

The Water Institute (WI) was established in 2008 as a flagship programme to encourage interdisciplinary research aiming at scientific water management, and ensuring water security, especially in semi-arid zones. WI was established keeping in view MDGs; since 2016, the focus shifted to SDGs. The Dublin Conference-1992, Rio Conference-1992 and Johannesburg Conference-2012, and the initiatives of GoI, namely the National Drinking Water Mission and WAR for Water prompted by the Supreme Court of India motivated KITS to focus more on water. The relevance of research in WI gained significance with more areas coming under water stress or water scarcity in India.

During the 2022-23 AY, Three funded projects were carried out in the water domain at a total outlay of more than Rs.629.38 lakh funded by DST-FIST, Ministry of Earth Sciences, GoI and Ramsar Regional Center - East Asia. The projects dealt with topics like Establishment of Environmental Isotope Hydrology & Geochemistry Facility for Sustainable Water Management in Semi-Arid Region of Peninsular India, Experimental Investigation of a Novel Desalination Technology and Evaluation of Ecosystem Services in the Context of Climate Change - Kol Wetlands, India. An interdisciplinary group of 40 faculty members involve in water research and more than 190 papers have been published in Scopus/WoS indexed journals.

7.3.2 - Plan of action for the next academic year

IQAC make annual plan every year to accomplish the objectives stipulated by the NAAC to develop system for conscious, consistent and catalytic action to improve the academic and administrative performance which will promote quality enhancement through internalization of quality culture and institutionalising best practices. Few of the quality initiatives of IQAC for the next academic year are given below:

1. NBA accreditation for 3 New UG programs and 4 PG Programs
2. Global Rankings
3. Revised targets for publications, funded projects and patents.
4. Startup and entrepreneurship initiatives and Participating in ARIIA ranking
5. Consultancy activities enhancement
6. Transfer of credits for online courses
7. Increase in the award of Ph.Ds to the scholars
8. Other Quality initiatives.