



YEARLY STATUS REPORT - 2023-2024

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_qaa@karunya.edu**
- Alternate Email address **dtensing@karunya.edu**

3. Website address (Web link of the AQAR (Previous Academic Year)

<http://www.karunya.edu/iqac/aqar>

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
Karunya Institute of Technology and Sciences	Category-I Deemed to be University	UGC	2024	0
Karunya Institute of Technology and Sciences	12-B Status	UGC	2024	0

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. (Please upload, minutes of meetings and action taken report)

Yes

- (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

- If yes, mention the amount

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

1. IQAC initiated NBA accreditations for 4 PG Programs (M.Tech VLSI Design, M. Tech CSE, M.Tech Biotechnology and MBA) and the SARs were submitted on 30.4.2024.

2. Submitted the data for NIRF 2024 Rankings in Engineering, University and Innovation category and secured 101-150 rank under both the University and Engineering categories and 151-200 rank in the Overall category.

3. Participated in International Rankings and submitted data for, a. Times Higher Education (THE) World University Rankings 2024 & 2025 and secured 1201 - 1500 Rank, In THE World Young University Ranking 2024 KITS secured 401-500 Rank, In THE Asia Ranking 2024 KITS secured 501-600 Rank, In THE Impact Ranking 2024 KITS secured 1001-1500 Rank with 401-600 in Clean Water and Sanitation & Affordable and Clean Energy, 601-800 in Good Health and Well Being and in THE Subject Rankings 2024, for Engineering, Computer Science, and Physical Sciences KITS secured 801 - 1000 Rank. b. QS Asia Ranking 2024 and ranked in 701-750 and in QS Sustainability Ranking 2024, KITS secured 1201+ Rank. c. UI Green Metric World University Ranking 2023 and secured the 640th rank.

4. Conducted Academic course file audits for Odd and Even semester for 2023-24 AY with experts from IIT, NIT and highly ranked Institutions.

5. Prepared Five-Year Strategic Plan for "Teaching and Learning" to meet all the accreditation requirements (NAAC and NBA) as well as the NEP requirements.

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
Implementation of OBE	Three UG programs (B.Tech Biomedical Engineering, B.Tech Aerospace Engineering, B.Tech Robotics Engineering) have been accredited by NBA.
Faculty Development Program	The Internal Quality Assurance Cell (IQAC) has organized 36 Faculty Development Programs (FDPs) with active faculty participation. As a result of attending these FDPs, faculty members have published 27 patents.
Participation in National Ranking (NIRF)	KITS secured 101-150 Rank in both the University and Engineering Category and 151-200 in the Overall Category.
Participation in International Ranking (QS Ranking)	In QS Asia Ranking 2024, KITS is ranked in 701-750, in QS Sustainability Ranking 2024 KITS secured 1201+ Rank.
Participation in International Ranking (THE Ranking)	In Times Higher Education (THE) World University Rankings 2024 & 2025, KITS secured 1201 - 1500 Rank, In THE World Young University Ranking 2024 KITS secured 401-500 Rank, In THE Asia Ranking 2024 KITS secured 501-600 Rank, In THE Impact Ranking 2024 KITS secured 1001-1500 Rank with 401-600 in Clean Water and Sanitation & Affordable and Clean Energy, 601-800 in Good Health and Well Being and in THE Subject

	Rankings 2024, for Engineering, Computer Science, and Physical Sciences KITS secured 801 – 1000 Rank.
Participation in International Ranking (UI Green metric)	KITS secured the 640th rank in the UI Green Metric World University Ranking 2023.

13.Whether the AQAR was placed before statutory body? **Yes**

- Name of the statutory body

Name	Date of meeting(s)
Academic Council	09/11/2024

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

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_qaa@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/academicalendar

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
Karunya Institute of Technology and Sciences	Category-I Deemed to be University	UGC	2024	0
Karunya Institute of Technology and Sciences	12-B Status	UGC	2024	0

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
<ul style="list-style-type: none"> The minutes of IQAC meeting and compliance to the decisions have been uploaded on the institutional website. (Please upload, minutes of meetings and action taken report) 	Yes
<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. IQAC initiated NBA accreditations for 4 PG Programs (M.Tech VLSI Design, M. Tech CSE, M.Tech Biotechnology and MBA) and the SARS were submitted on 30.4.2024.</p>	
<p>2. Submitted the data for NIRF 2024 Rankings in Engineering, University and Innovation category and secured 101-150 rank under both the University and Engineering categories and 151-200 rank in the Overall category.</p>	
<p>3. Participated in International Rankings and submitted data for, a. Times Higher Education (THE) World University Rankings 2024 & 2025 and secured 1201 - 1500 Rank, In THE World Young University Ranking 2024 KITS secured 401-500 Rank, In THE Asia Ranking 2024 KITS secured 501-600 Rank, In THE Impact Ranking 2024 KITS secured 1001-1500 Rank with 401-600 in Clean Water and Sanitation & Affordable and Clean Energy, 601-800 in Good Health and Well Being and in THE Subject Rankings 2024, for Engineering, Computer Science, and Physical Sciences KITS secured 801 - 1000 Rank. b. QS Asia Ranking 2024 and ranked in 701-750 and in QS Sustainability Ranking 2024, KITS secured 1201+ Rank. c. UI Green Metric World University Ranking 2023 and secured the 640th rank.</p>	
<p>4. Conducted Academic course file audits for Odd and Even semester for 2023-24 AY with experts from IIT, NIT and highly ranked Institutions.</p>	

5. Prepared Five-Year Strategic Plan for "Teaching and Learning" to meet all the accreditation requirements (NAAC and NBA) as well as the NEP requirements.

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
Implementation of OBE	Three UG programs (B.Tech Biomedical Engineering, B.Tech Aerospace Engineering, B.Tech Robotics Engineering) have been accredited by NBA.
Faculty Development Program	The Internal Quality Assurance Cell (IQAC) has organized 36 Faculty Development Programs (FDPs) with active faculty participation. As a result of attending these FDPs, faculty members have published 27 patents.
Participation in National Ranking (NIRF)	KITS secured 101-150 Rank in both the University and Engineering Category and 151-200 in the Overall Category.
Participation in International Ranking (QS Ranking)	In QS Asia Ranking 2024, KITS is ranked in 701-750, in QS Sustainability Ranking 2024 KITS secured 1201+ Rank.
Participation in International Ranking (THE Ranking)	In Times Higher Education (THE) World University Rankings 2024 & 2025, KITS secured 1201 - 1500 Rank, In THE World Young University Ranking 2024 KITS secured 401-500 Rank, In THE Asia Ranking 2024 KITS secured 501-600 Rank, In THE Impact Ranking 2024 KITS secured 1001-1500 Rank with 401-600 in Clean Water and Sanitation & Affordable and Clean Energy, 601-800 in Good Health and Well

	Being and in THE Subject Rankings 2024, for Engineering, Computer Science, and Physical Sciences KITS secured 801 - 1000 Rank.				
Participation in International Ranking (UI Green metric)	KITS secured the 640th rank in the UI Green Metric World University Ranking 2023.				
13.Whether the AQAR was placed before statutory body?	Yes • Name of the statutory body				
	<table border="1"> <tr> <td>Name</td><td>Date of meeting(s)</td></tr> <tr> <td>Academic Council</td><td>09/11/2024</td></tr> </table>	Name	Date of meeting(s)	Academic Council	09/11/2024
Name	Date of meeting(s)				
Academic Council	09/11/2024				
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				
2022-2023	05/04/2024				
16.Multidisciplinary / interdisciplinary	<p>1. 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 are 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. Courses are offered in cutting edge and diversified technological fields with Major and Minor streams. 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</p>				

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. 2. 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 are 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 3. Qualification Framework Implementation: KITS is actively working on revising its curriculum framework to align with UGC's National Higher Education Qualification Framework (NHEQF), targeting the integration of Level 5 to Level 10 qualification types to support flexible, multidisciplinary learning pathways. 4. Promotion of Multidisciplinary Collaboration: The Karunya Innovation and Design Studio (KIDS) has been established as a hub for multidisciplinary innovation. It facilitates workshops, ideation events, and hackathons, encouraging students from diverse programs to form collaborative teams, solve real-world problems, and translate ideas into viable solutions.

17. Academic bank of credits (ABC):

Karunya Institute of Technology and Sciences (KITS) has complied with the UGC and NEP guidelines by registering in the Academic Bank of Credits (ABC) system. The institution has made ABC registration mandatory for all students through the DigiLocker-NAD platform, and each student has successfully obtained an ABC ID via www.abc.digilocker.gov.in. So far, 6399 student records with a total of 23,067 credits have been uploaded

to the ABC portal. To create awareness and ensure smooth implementation: Informative awareness videos on ABC have been made available on the Karunya student portal. The university has integrated ABC-related procedures into its academic processes. To support students in accumulating and transferring credits through online learning, KITS has adopted the following initiatives: 1. 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 2. 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 3. Faculty mentors continuously monitor student registrations on these platforms and track their academic progress in online courses. Many students and faculty members have successfully completed courses through SWAYAM/NPTEL, thereby contributing to the academic credit ecosystem as envisioned by NEP 2020

18.Skill development:

KITS is committed to enhance the employability and entrepreneurial potential of its graduates through structured skill development and value-based education initiatives, aligned with the National Education Policy (NEP) and National Skills Qualifications Framework (NSQF). Skill Development Initiatives: Value Added Courses: All students undergo mandatory 30-hour value-added courses designed to upskill technical knowledge. These courses are delivered by industry experts and qualified academicians, with an emphasis on domain-specific technologies. Skill-Based Curriculum Integration: All engineering programs have incorporated a dedicated "Skill-Based Courses" category within their curriculum. These courses target both technical competencies and industry-relevant skillsets. Vocational Training (Planned Offerings): KITS is actively planning to offer vocational education in on-campus/blended/ODL modular formats in the following skill areas: Digital Marketing Animation Foreign Languages & Translation Marketing & Advertising Communication & IT Multimedia Electrical Wiring Welding PCB Design Mobile Servicing Electric Vehicle (EV) Mechanism Industry Engagement: KITS has provisions for visiting/adjunct faculty and Professors of Practice, allowing industry veterans to deliver skill-based sessions and transfer technical know-how. Entrepreneurship Support: The Karunya Technology Business Incubation Park (K-TBIP) supports students in launching start-ups, providing mentorship, infrastructure, and funding support. Industry Linkages & Project-Based Learning: Each department has established industrial

collaborations to facilitate real-world problem solving. Project-based learning has been integrated into the academic structure to promote innovation and hands-on skills. Innovation Promotion: The Karunya Innovation and Design Studio organizes regular student competitions to encourage ideation and cross-disciplinary collaboration. Monitoring and Recognition: Mentors monitor student progress in skill courses, and initiatives are underway to map student skills via NSDC (National Skill Development Corporation) association for centralized certification and recognition. Value-Based Education: KITS emphasizes holistic education that blends academic excellence with character formation and moral integrity. A three-week Student Induction Programme (SIP) initiates learners into values such as Truth (Satya), Righteous Conduct (Dharma) and Peace (Shanti). Non-credit mandatory courses are included on: Constitution of India Gender Sensitization Professional and Bioethics Universal Human Values - I (offered during SIP, as per AICTE guidelines) These initiatives aim to produce ethically grounded, socially responsible graduates.

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

KITS actively integrates the Indian Knowledge System (IKS) into its academic and cultural environment to promote awareness, appreciation, and application of India's rich heritage. The efforts are in line with AICTE and NEP 2020 guidelines. Academic Integration: A dedicated course on "Indian Knowledge Systems" will be introduced as per AICTE guidelines, using the prescribed textbook and curriculum. Academic divisions conduct seminars on "Indian Contributions to Specific Disciplines", highlighting ancient Indian innovations and practices relevant to modern fields. Preservation and Promotion of Indian Heritage: KITS takes continuous efforts to preserve and promote: Indian Languages: Including Sanskrit, Pali, Prakrit, and classical, tribal, and endangered languages. Ancient Traditional Knowledge: Covering Ayurveda, architecture, astronomy, and indigenous practices. Indian Arts and Culture: Emphasizing traditional art forms, music, dance, festivals, and rituals. Cultural and National Observances: The institution actively celebrates and observes various national and cultural events to instill pride in Indian identity and values: National Celebrations: Independence Day, Republic Day, Martyrs' Day, Armistice Day, and Rastriya Ekta Diwas. Thematic Observances: Institution's Innovation Day National Entrepreneurship Day National Education Day National Pollution Control Day National Energy Conservation Day National

Startup Day National Science Day International Women's Day World Intellectual Property Day 4th Anniversary of National Education Policy (NEP) Cultural Festivals: Christmas, Diwali, Pongal, Onam, and Holi are celebrated to promote cultural inclusivity and diversity.

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

KITS has adopted Outcome-Based Education (OBE) since 2015, in alignment with its vision to deliver quality, student-centric education focused on measurable outcomes. The institution follows a structured OBE model aimed at equipping students not only with academic knowledge but also with essential professional skills, values and ethical perspectives relevant to their fields of study. Framework and Implementation: Each Department's Vision and Mission is derived from the Institution's Vision and Mission, and further mapped to: Program Educational Objectives (PEOs) Program Specific Outcomes (PSOs) Program Outcomes (POs) PEOs and PSOs are carefully formulated to reflect the expected competencies students should develop by the time of graduation. These include: Knowledge acquisition Skill development Professional attitudes and values Assessment Mechanisms: Direct Assessments: Continuous Internal Assessments (CIA), laboratory experiments, real-time projects, student presentations, internships, and end-semester examinations. Indirect Assessments: Feedback from students, alumni, industry partners, and academic peers. Industry Alignment: Program-Specific Outcomes (PSOs) are designed in consultation with professional bodies such as: ASME, ASCE, IEEE, CSI, BIO, ABLE, AIMA, CII, CMA, AICPA, AIAA etc These inputs ensure that the curriculum is relevant to industry trends and expectations. Communication and Awareness: PEOs, POs, and PSOs are displayed prominently in: Department websites Classrooms, seminar halls, laboratories, and faculty rooms During the Student Induction Program, students are oriented on the structure, curriculum, learning outcomes, and the OBE framework. Faculty Development and Quality Assurance: Faculty members undergo regular training and orientation programs to ensure the uniform implementation of OBE across all departments. Departments use the OBE model to drive curriculum design, teaching methodologies and assessment strategies.

21. Distance education/online education:

Karunya Institute of Technology and Sciences (KITS), established in 1986 with a vision to find solutions to human problems, has expanded its academic offerings by venturing into the domain of Online and Distance Learning. In line with the National Education

Policy (NEP) 2020, KITS is committed to promoting inclusive education by reaching out to the unreached, marginalized, and underserved sections of society. Online MBA Program: KITS currently offers a fully Online MBA program, designed to provide flexible and affordable learning opportunities for working professionals, entrepreneurs, and learners who seek to enhance their managerial competencies without disrupting their career paths. Objectives and Key Features: The online mode aims to provide equitable access to quality higher education for all learners regardless of geography or socio-economic background. Courses are structured to deliver equivalent academic rigor and content as offered in regular on-campus programs. The curriculum is industry-aligned and delivered by expert faculty through robust online platforms. Pedagogy and Assessment: The program incorporates modern e-learning tools, digital content, video lectures, and interactive sessions. Students receive well-structured learning materials, including recorded lectures, reading resources, and discussion forums. Continuous assessment methods are adopted to evaluate learners' progress and to ensure the acquisition of knowledge and skills. Vision for Online & Distance Learning: KITS envisions leveraging the potential of technology-enabled education to: Empower lifelong learners. Promote skill development and career advancement. Enable access to quality education at a reasonable cost. Contribute to national goals of education for all without bias. The Online and Distance Education initiative of KITS reflects the institution's commitment to inclusive, flexible and learner-centric education, upholding the same standards of excellence that define its regular programs.

Extended Profile

1.Programme

1.1	38
Number of programmes offered during the year:	

File Description	Documents
Data Template	View File

1.2	18
Number of departments offering academic programmes	

2.Student

2.1		7106
Number of students during the year		
File Description	Documents	
Data Template	View File	
2.2		2067
Number of outgoing / final year students during the year:		
File Description	Documents	
Data Template	View File	
2.3		7265
Number of students appeared in the University examination during the year		
File Description	Documents	
Data Template	View File	
2.4		1698
Number of revaluation applications during the year		
3. Academic		
3.1		1174
Number of courses in all Programmes during the year		
File Description	Documents	
Data Template	View File	
3.2		510
Number of full time teachers during the year		
File Description	Documents	
Data Template	View File	
3.3		510

Number of sanctioned posts during the year

File Description	Documents
Data Template	View File

4.Institution

4.1	14259
Number of eligible applications received for admissions to all the Programmes during the year	

File Description	Documents
Data Template	View File

4.2	2129
Number of seats earmarked for reserved category as per GOI/ State Govt. rule during the year	

File Description	Documents
Data Template	View File

4.3	149
Total number of classrooms and seminar halls	
4.4	1812
Total number of computers in the campus for academic purpose	
4.5	5971.36
Total expenditure excluding salary during the year (INR in lakhs)	

Part B**CURRICULAR ASPECTS****1.1 - Curriculum Design and Development**

1.1.1 - Curricula developed and implemented have relevance to the local, national, regional and global developmental needs which is reflected in Programme outcomes (POs), Programme Specific Outcomes(PSOs) and Course Outcomes(COs) of the Programmes offered by the University

KITS has meticulously designed and developed an innovative curriculum that addresses societal needs, leverages cutting-edge

technologies, complies with industry standards and fosters product development. The curriculum is strategically aligned with the institution's Vision and Mission, guided by Program Educational Objectives (PEOs) to meet the diverse requirements of stakeholders at local, regional and global levels.

Beyond emphasizing core concepts, the curriculum addresses key developmental priorities, including water scarcity, food security, environmental sustainability, energy efficiency, climate change, irrigation, healthcare and the integration of emerging technologies such as Artificial Intelligence (AI), Machine Learning (ML), Robotics and Automation. These initiatives aim to address societal issues and are reflected in well-defined learning outcomes, including Program Outcomes (POs), Program Specific Outcomes (PSOs), and Course Outcomes (COs).

The curriculum is enriched with domain-specific elements informed by the requirements of professional societies and aligned with the PSOs of various programs. The mapping of COs to POs and PSOs, enabling a comprehensive assessment of learning outcomes. It also adheres to the policies and guidelines of the Ministry of Education, UGC, AICTE, and ICAR, ensuring compliance with national and international higher education standards. A technology-driven approach enhances students' problem-solving and analytical skills, preparing them to address real-world challenges effectively. The industry-compliant structure of the curriculum facilitates valuable internship opportunities in diverse industrial sectors, fostering hands-on experience and professional growth. By integrating these multifaceted components, the curriculum at KITS equips students with the knowledge, skills, and values necessary to excel in their careers while making meaningful contributions to society.

File Description	Documents
Upload relevant supporting document	View File

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

22

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

1172

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

278

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

38

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

Karunya Institute of Technology and Sciences (KITS) offers a curriculum addressing cross-cutting issues to nurture integrity, inclusiveness, commitment, justice, and a sense of belonging among students. Interdisciplinary courses create awareness of social and gender justice, constitutional rights, food and water security,

healthcare, sustainable energy, and ethical work practices. Courses like Environmental Studies and Constitution of India are mandatory for all B.Tech. programs, ensuring a solid foundation in civic and environmental responsibilities.

Focus Areas

- Professional Ethics and Human Values: A total of 75 courses in each domain emphasize moral integrity and ethical practices across diverse disciplines.
- Gender Sensitization: 9 Courses like Gender and Crime, Society and Culture, and Women's Rights and Empowerment address critical issues such as harassment, victimization, gender inequality, and cyberstalking, promoting awareness and equity.
- Environmental Conservation: With 104 courses, the curriculum instills environmental stewardship and equips students to address ecological challenges.
- Sustainable Development: Sustainability-focused topics in 120 courses cover renewable energy, green building materials, and climate change, preparing students for innovation in sustainable practices.

KITS further enriches the curriculum with experiential learning opportunities such as social outreach, workshops, and industry interactions. This holistic approach ensures students graduate with the technical expertise, ethical grounding, and social awareness needed to make meaningful contributions to society and the environment.

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

199

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**5846**

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**1198**

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**2480**

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****2129**

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**

Karunya Institute of Technology and Sciences (KITS) conducts a 3-week Student Induction Program (SIP) for first-year UG students, adhering to AICTE guidelines. This program eases the transition of students from diverse educational backgrounds and assesses their communication and computational skills through an online test.

Opportunities for Advanced Learners

Advanced learners are supported with opportunities to go beyond the curriculum, utilizing platforms like SWAYAM, NPTEL, edX, and Coursera. They gain hands-on experience in industry labs partnered with organizations like Siemens, Cisco, IBM, and Tessolve Pvt. Ltd. Coaching is offered for competitive exams (GATE, CAT, GRE) and certifications like IELTS, TOEFL, and BEC Vantage. Students also actively participate in professional societies like IEEE and explore internships through IAESTE-Karunya and institutions like IITs and National Labs.

A key initiative for advanced learners was the two-day conference INSPIRE-2024 (March 14-15, 2024), attended by 653 students from

Engineering, Arts, Sciences, Agriculture and Management. The event featured 27 sessions, including 21 domain-specific lectures and 6 common sessions. Topics included Technological Advancements, Global Professionalism, Strategic Problem-Solving, and Professional Ethics. Experts engaged students in panel discussions on leadership, entrepreneurship, and corporate expectations.

Support for Slow Learners

For slow learners, KITS offers two-week proficiency classes in Mathematics and Computing, remedial teaching, and bridge courses. The Mentor-Mentee system ensures personalized guidance, complemented by recorded lectures and training in problem-solving, soft skills, and programming.

KITS' initiatives ensure holistic development, equipping all students for academic and professional success.

File Description	Documents
Upload relevant supporting document	View File
Link For Additional Information	Nil

2.2.2 - Student - Full time teacher ratio during the year

Number of Students	Number of Teachers
7106	510

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

Karunya Institute of Technology and Sciences (KITS) adopts a learner-centric approach to enhance educational experiences through experiential, participative, and problem-solving methodologies. Departments employ innovative strategies such as flipped classrooms, workshops, mind mapping, case studies, role-playing, peer learning, presentations, industry-oriented projects,

internships, simulation labs, field visits, and industry training. Faculty receive regular training to effectively implement these methods.

Experiential Learning

Students engage in analytical tools, problem-solving, and decision-making, participating in funded projects and consultancy work alongside Principal Investigators. Virtual and simulation labs bridge theoretical and practical knowledge. Programs like Rural Agricultural Work Experience (RAWE) and Rural Horticultural Work Experience (RHWE), aligned with ICAR norms, provide hands-on exposure to final-year B.Sc. (Hons) Agriculture and Horticulture students, fostering industry readiness.

Participative Learning

Faculty-student collaboration in seminars, workshops, conferences, and competitions promotes active engagement. The IAESTE program, driven by student coordinators, nurtures leadership and responsibility. Students also participate in activities like model UN, cultural fests, and domain-specific hackathons, enhancing team dynamics.

Problem-Solving Learning

KITS emphasizes critical thinking, logical reasoning, and real-world application through participation in initiatives such as Smart India Hackathons, Toycathons, and Make in India. Students gain exposure to innovation and contribute to national development through competitions and entrepreneurship programs.

This holistic approach ensures students develop technical skills, leadership qualities, and societal awareness, preparing them for global challenges and career success.

Project-based learning at KITS fosters innovation through industry-aligned projects, research collaborations, real-world problem-solving, and interdisciplinary teamwork.

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

Karunya Institute of Technology and Sciences (KITS) has been a pioneer in adopting digital platforms to enhance the teaching-learning process, integrating advanced technologies for over a decade. With developments in simulation, animation, media streaming, and online tools, KITS ensures effective and engaging pedagogy.

ICT-Enabled Learning

State-of-the-art ICT-enabled classrooms, seminar halls, and lecture-capturing facilities support technology-driven teaching. Writing tablets integrated with online whiteboards like Openboard™ facilitate live annotations and lecture recording, enabling students to revisit sessions for better understanding. The in-house LMS provides students with learner-centric features, including access to learning materials, assignments, and feedback.

Karunya Meet Platform

KITS has developed its own platform, Karunya Meet (<https://meet.karunya.edu>), featuring breakout rooms, shared notes, polling, and screen-sharing for participative online learning. This initiative complements collaboration with edX, granting institution-wide access to MOOCs through the Online Campus Essential program.

Access to Digital Resources

Connected to the National Knowledge Network, KITS offers seamless access to resources like Virtual Labs via NMEICT, enabling remote experiments in science and engineering. The digital library provides comprehensive access to e-journals, e-books, and e-magazines through INFLIBNET.

Holistic Digital Ecosystem

Faculty and students benefit from workshops on emerging technologies and blended learning strategies. Additionally, digital initiatives like AI-based attendance, assessment tools, and student dashboards foster a connected and adaptive learning environment.

KITS' robust digital ecosystem empowers students with knowledge and tools for global competitiveness.

KITS students earn 5 credits through NPTEL online courses, enhancing their skills with industry-relevant content integrated into the curriculum.

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

474

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

510

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

384

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

4182

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

58

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

142

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

Evaluation of doctoral theses and the conduct of oral board examinations are online. Karunya, being a partner in E-SANAD and NAD-Digilocker, offers contactless and paperless document verification and attestation services. As per the requirements of UGC, AICTE, and NEP, 1945 students earned credits by registering for 198 courses on SWAYAM, NPTEL, and other online platforms in the academic year 2023-2024.

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), 6399 students with credit data and 23067 total ABC credit data has been uploaded 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

Karunya Institute of Technology and Sciences (KITS) follows a well-defined approach to ensure that learning outcomes align with institutional goals, providing a comprehensive framework for academic and professional development. The Vision and Mission statements of KITS are directly reflected in the Program Educational Objectives (PEOs) and are carefully correlated to Program Outcomes (POs) and Program Specific Outcomes (PSOs). These outcomes measure the knowledge, skills, values, and attitudes developed by students, fostering a holistic learning environment.

Learning Outcomes and Assessment

The POs, aligned with graduate attributes, are achieved through specific, measurable, achievable, relevant, and time-bound Course Outcomes (COs), framed using Bloom's Taxonomy. The Course Articulation Matrix links COs, POs, and PSOs, ensuring clarity and focus. Assessment of learning outcomes is done through both direct and indirect methods. Direct assessments include internal evaluations, projects, presentations, internships, seminars, MOOCs, and end-semester exams, while indirect assessments involve course-end surveys and student exit surveys.

Dissemination and Publicity

KITS widely publicizes PEOs, POs, and PSOs on department webpages and in strategic locations across the campus. COs are incorporated into academic handbooks, teaching plans, and question papers, ensuring students are well-informed. During the induction program and at the beginning of each semester, students are made aware of the PEOs, POs, and COs. Faculty members are trained on the adaptation of Outcome-Based Education (OBE) principles during faculty development programs, promoting continuous improvement and effective implementation of learning outcomes.

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

At Karunya Institute of Technology and Sciences (KITS), the attainment of Course Outcomes (COs), Program Outcomes (POs), and Program Specific Outcomes (PSOs) is rigorously evaluated throughout the academic year using both direct and indirect assessment methods. This ensures that educational objectives are met, and students progress towards achieving desired outcomes.

KITS employs a blended learning approach, combining online and offline learning for greater flexibility. Students engage in online classes, utilizing digital platforms, multimedia, quizzes, and forums, and follow up with face-to-face sessions for interactive discussions and hands-on activities. This model fosters active learning, self-discipline, and digital literacy, preparing students for the modern workplace.

For CO attainment, Continuous Internal Assessments (CIA) and End Semester Examinations (ESE) are pivotal. Each IA is scored out of 40 marks, with questions mapped to COs and Bloom's Taxonomy. Various Quality Assurance (QA) components like assignments, seminars, and case studies further assess learning. The ESE, scored out of 100 marks, evaluates the student's mastery of the subject.

For PO and PSO attainment, direct assessments use the Course Articulation Matrix, linking COs to POs and PSOs. Indirect assessment includes student feedback surveys, quantified on predefined rubrics. Based on the assessment results, KITS continuously refines its teaching strategies to ensure enhanced achievement of POs and PSOs, supporting ongoing improvement in academic excellence.

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**1941**

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)

13.58

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

5

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

61

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
--

10	
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)

90.89	
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)

523.97

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

0.05

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

Karunya Institute of Technology and Sciences (KITS) implemented its Policy on Innovation, Incubation, and Entrepreneurship (IIE) in November 2021, aligning with the National Innovation and Startup Policy 2019 and NEP 2020. Karunya Incubation Foundation (KIF), a not-for-profit company, was incorporated under Section 8 of the Companies Act on May 31, 2022, alongside the establishment of Karunya Technology Business Incubation Park (K-TBIP) to support student, faculty, and industry incubation.

An Evaluation Committee for Incubation (ECI), chaired by the Pro Vice-Chancellor (SI&R), oversees incubation proposals. To date, K-TBIP has incubated 49 student teams, 27 faculty teams, and 14 industries. Karunya Technology Innovation Hub (K-Hub), a K-TBIP wing, fosters entrepreneurship, addressing industry, startup, and incubation needs. K-TBIP has signed 16 MoUs with organizations like IIT Madras Incubation Cell, TIMED, TIE-Coimbatore Chapter, and CII Coimbatore Centre.

Key initiatives include the Smart India Internal Hackathon (September 2023), with 260 participants engaging in design thinking and innovation, and the Build Club Activation by IIT Madras Incubation Cell (October 2023), introducing 78 students to hardware-software project development. Additionally, the Faculty Development Program "Launch Pad: Igniting Entrepreneurial Success"

(January 2024) trained 30 faculty members from KPR College on entrepreneurial skills, covering business modeling, investor pitching, and fostering innovation. These efforts significantly bolster KITS's entrepreneurial ecosystem.

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

191

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

191

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

53

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

A. All of the above

- 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

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

51

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

80

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

3

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

123

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
5.43	4.88

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
29	19

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)

96.42

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. This initiative is driven by clubs such as NCC, NSS, YRC, Rotaract, Nature, Journalism, Music, Photography, and the Karunya Arts Literary Association (KALA), supporting a vibrant non-formal curricular ecosystem.

Aligned with the Prime Minister's Swachh Bharat Abhiyan and Unnat Bharat Abhiyan, students encourage villagers to adopt healthy

habits. KITS focuses on skill-based training camps, education promotion, child abuse awareness, substance abuse prevention, women's empowerment, child labor eradication, and conservation of nature and resources, alongside fostering village entrepreneurship.

NSS Special Camps involve activities like school renovations, tree plantations, Pollution control awareness, road cleaning, medical & blood donation camps, and veterinary services in nearby villages. The Youth Red Cross organizes health and blood donation camps, spreading wellness through posters and skits.

KALA and the Music Club cultivate talents in cultural activities and performing arts. The Nature Club & NSS, known as green warriors, organize nature walks, trekking, afforestation drives, Parthenium eradication and lectures on creating a sustainable Earth. Journalism and Photography Clubs offer TV studio visits, trend-based lectures, and in-house editions. The Rotaract Club provides tutorial coaching to government middle school students around Karunya Nagar.

Through these initiatives, KITS nurtures socially responsible and well-rounded individuals ready to contribute to society.

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

16

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)**101**

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**3523**

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****403**

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**21**

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 advanced facilities adhering to AICTE, UGC, and ICAR guidelines.

Physical Infrastructure: The campus includes 137 ICT-enabled classrooms, four seminar halls, eight gallery halls with smart technology, and 126 well-equipped laboratories. Three auditoriums spanning 12,992 sq.m cater to co-curricular activities and capacity-building programs.

Domain-Specific Laboratories: Facilities include Nanofabrication, Nanotoxicology, Tissue Engineering labs, and an NABL-accredited Food Quality Testing Lab. Other notable labs include Wind Tunnel, Shock Tube, UAV facilities, Karunya-Siemens, NVIDIA, Karunya-SALZER Centre, NDT, 100T Servo-Hydraulic UTM-MTS, 3D Printing, Nanofluid Heat Transfer, IoT, AI & Blockchain, and CISCO labs. Additionally, there are facilities for Wind Energy, Advanced Analytical Chemistry with NMR, a 329-acre Agriculture Farm with Polyhouse, Animal House, and Media Labs.

Computing Facility: The Computer Technology Centre features 15 laboratories covering 3046.6 sq.m, with 44 high-end servers offering 81TB storage, including IBM Pureflex and HP systems. Green computing utilizes VMware, with internet connectivity at 1500 Mbps and an Nvidia DGX station. Licensed software subscriptions further enhance the digital infrastructure.

Library: The fully automated three-story Central Library spans 3083.3 sq.m, offering a reading area, digital library, reference books, journals, and research carrels. These robust facilities support innovative research, teaching, and learning experiences across disciplines.

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.)

Karunya Institute of Technology and Sciences (KITS) offers state-of-the-art infrastructure to enhance students' cultural, social, and physical development, fostering excellence in all spheres of life.

Auditoriums: KITS houses a multi-purpose auditorium spanning 9449.25 sq.m for mega cultural events and another 2330 sq.m auditorium equipped with ceiling-mounted special lights for concerts and performances.

Sports Complex: The Karunya Sports Complex, spread over 15 acres, includes 10 volleyball courts, 2 football fields, 1 hockey court, 9 badminton courts, 4 basketball courts, 5 kabaddi courts, 4 ball badminton courts, 2 handball courts, 2 lawn tennis courts, 2 cricket nets, 2 throw ball courts, and 2 tennikoit courts. It also features two standard 400m 8-lane tracks and 10 galleries. All courts are floodlit and adhere to SAI standards.

Indoor Facilities: Indoor sports amenities 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, supporting year-round activities.

Fitness Centers: Seven sophisticated gyms located in student residences ensure physical fitness and well-being.

These facilities reflect a significant investment in enriching the students' cultural, social, and physical life, preparing them to excel in every sphere.

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 amidst the Western Ghats, Karunya Institute of Technology and Sciences (KITS) offers a scenic and sustainable academic ecosystem. The campus features academic

blocks housing 17 departments, an administrative building, an air-conditioned library, a Computer Technology Centre, three large auditoriums, and a 329-acre agriculture farm. Well-laid bitumen roads connect all facilities.

Accommodation and Amenities: Fifteen multi-storey residential halls with modern kitchens cater to the diverse student community. Amenities include department stores, a post office, Canara Bank with seven ATMs for 24-hour transactions, a telephone exchange, guest houses, restaurants, petrol bunks, a cooking gas agency, and a Karunya Nagar police outpost. Reliable water and power supplies serve the entire university.

Sports and Recreation: The campus boasts a 15-acre sports arena with two indoor stadiums (10,197.25 sq.m) and two lakh sq.m for outdoor games. Facilities include three football and hockey fields, two 400m 8-lane tracks, five basketball courts, 14 ball badminton courts, six kabaddi courts, 10 volleyball courts, and 10 viewing galleries. Seven state-of-the-art gyms further promote fitness and well-being.

Sustainability Initiatives: A 115 kW solar power plant, 30 solar water heaters, and 7958 LED lights underscore KITS's commitment to energy conservation. Rainwater harvesting units and a 25,000-liter Ferrocement tank complement five STPs that recycle water for farming and gardening. Four biogas plants produce 114 kg/day of cooking gas, while a paper recycling unit processes 150-200 kg of waste paper daily.

KITS integrates academic excellence with sustainability and quality living.

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)

5971.36

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 has 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)

184.14

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)

4156

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 critical for supporting teaching, learning, research, and extension activities in higher education. Karunya Institute of Technology and Sciences (KITS) has significantly enhanced its facilities to meet the demands of modern education, including online platforms.

The Computer Technology Centre (CTC), spanning 3,614 sq.m, features 15 state-of-the-art laboratories, a campus network supported by a 1 Gbps fiber-optic backbone, and high-speed internet connectivity with a bandwidth of 1500 Mbps. The infrastructure and IT resources are managed under a well-defined IT policy aligned with Government of India guidelines and national IT laws.

Key Features of the IT Policy:

- Comprehensive usage guidelines for systems, internet, and IT resources.
- Privacy and security protocols to safeguard user data.
- Guidelines for conducting online examinations and detailed video surveillance policies.

Policy Implementation: The IT policy is effectively enforced through:

- Centralized authentication and authorization servers.
- Enterprise-grade firewalls with Unified Threat Management (UTM) capabilities.
- Centralized logging of user activity for accountability and compliance.

These measures ensure a secure and efficient IT ecosystem, supporting KITS's mission to provide cutting-edge technological resources for academic and research excellence.

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
7106	1812

4.3.4 - Available bandwidth of internet connection in the Institution (Leased line)	<ul style="list-style-type: none"> • ?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

2529.86

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.

Karunya Institute of Technology and Sciences (KITS) has established systems and procedures for the maintenance and utilization of physical, academic, and support facilities, including laboratories, libraries, sports complexes, computers, and classrooms.

Academic Facilities Utilization and Maintenance:

- **Classrooms:** 141 smart classrooms and 8 gallery halls with audio-visual facilities support teaching and learning. Heads of Departments ensure adequate furniture and facilities, while the Construction and Maintenance Department handles repairs and servicing.
- **Laboratories:** Laboratories are managed by Heads of Departments and faculty coordinators, with maintenance handled by qualified technicians. Annual Maintenance Contracts (AMCs) are in place for sophisticated instruments.

Library Facility: The Central Library is equipped with advanced learning resources and automated using AutoLib software. It operates from 8 AM to 11 PM on weekdays and 8 AM to 5:30 PM on Saturdays. The Chief Librarian oversees its management.

Computing Facility: The Computer Technology Centre (CTC) houses 15 laboratories for student use and is maintained by a dedicated team

led by the Head (CTC). Internet and Wi-Fi services are supported by an online ticketing system that resolves service requests within two days.

Sports Facility: The Head of Physical Education is responsible for maintaining all sports facilities, ensuring they remain in excellent condition for student use.

These measures ensure the effective management and optimal utilization of facilities to support academic excellence and holistic development.

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)

989

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

2820

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

5.1.3 - Following Capacity development and skills enhancement initiatives are taken by the institution Soft skills Language and communication skills Life skills (Yoga,

A. All of the above

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

38

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

1354

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

177

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

187

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

Karunya Institute of Technology and Sciences (KITS) emphasizes student participation in governance, recognizing their crucial role in enhancing academic and administrative processes.

Student Representation and Involvement:

- Student panel representatives meet monthly to offer suggestions and recommendations to the Heads of Departments.
- Various student committees manage key activities such as international exchange programs, cultural clubs, and sports events.
- Students play an active role in decisions regarding hostel welfare and participate as members and coordinators in the

Curriculum Development Cell and Entrepreneurship Cell.

- The Sports Committee suggests upgrades to sports facilities, including courts, stadiums, and gymnasiums, which are implemented.
- Students contribute to the planning and execution of skill development programs and placement activities, improving placement opportunities.

Student Welfare Activities:

- KITS provides scholarships, fee concessions, and 'earn while you learn' opportunities to deserving students.
- The institute offers seed money for project work, international internships, and incubation/start-up facilities to foster entrepreneurship.
- Regular mentor-mentee meetings are held to address mentees' concerns and provide guidance.
- A dedicated platform, tellus@karunya.edu, is available for students to voice grievances, ensuring prompt attention to their issues.

These systems enhance student engagement and ensure that their perspectives contribute meaningfully to the overall academic and administrative development of the institution.

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

12

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

Karunya Institute of Technology and Sciences (KITS) has two registered Alumni Associations: The Karunya International Alumni

Association and the Karunya Alumni Association India. Since its inception in 1990, KITS has nurtured numerous distinguished alumni, including CEOs, industrialists, scientists, business tycoons, and entrepreneurs.

The alumni actively contribute to the institution by mentoring students, supporting few deserving student's fees, guiding them in projects, delivering the alumni lecture series, conducting career counselling sessions, and organizing mock interviews. They also play a vital role in institutional development, serving on the IQAC Committee, Board of Studies, and Academic Council.

To foster connectivity among alumni and students, KITS utilizes Karunya Alumni Network, a dedicated social media platform linking 46 national and 24 international alumni chapters. Job opportunities, career guidance, chapter events, and information about the Business Network are readily accessible to all alumni and current students who registered in the alumni portal.

The alumni magazine, Missing Link and Monthly Digest serves as a bridge between the past and present, enabling alumni to share insights and assist others in career development. Additionally, alumni have taken the initiative to engage in research and product development within KITS's four thrust areas of societal importance: water, food, healthcare, and energy.

In furthering innovation, the alumni have established the Karunya Alumni Business Network (KABN), which provides guidance and support to students in 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

Karunya Institute of Technology and Sciences (KITS) has a clear vision and mission that guide its academic and administrative governance. The institution's vision focuses on serving humanity with a social conscience, addressing global challenges through technical education, research, and extension activities. Its mission aims to empower students to achieve academic excellence and professional competence while upholding social ethics. KITS is committed to finding solutions to critical human challenges in areas such as water, food, healthcare, and sustainable energy, and strives to develop technologies that support the elderly and those with physical or mental challenges.

The vision and mission are prominently displayed on the website, digital signage, academic blocks, and other key locations. To align with these guiding principles, KITS has defined eight specific goals. Statutory committees, in accordance with UGC/MoE regulations, ensure the development of policies, provide guidelines, and monitor progress toward these goals.

Programmatic actions include annual visioning programs for faculty and students, incorporating feedback from employers in industry and organizations. The institution continually evaluates quality parameters in academics, administration, and extension activities, benchmarking them against accrediting and ranking agencies. This strategic approach ensures that KITS remains focused on its vision and mission, providing an environment that fosters academic excellence and contributes actively 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

The institution's leadership is demonstrated through decentralized and participative management practices. The autonomy granted to Deans, Directors, and Heads of Departments allows them to oversee key areas such as academics, research, infrastructure, and finance. The Vice-Chancellor, Pro-Vice Chancellors, and Registrar provide support to ensure the successful achievement of institutional goals.

In terms of financial management, Heads of Departments create an annual budget based on the requirements for manpower and infrastructure. This budget is reviewed by Deans and then presented to the Executive Committee for approval. The Finance Committee scrutinizes the final budget in accordance with statutory guidelines, after which the Deans and Heads manage the allocated funds.

Academically, Heads of Departments are responsible for curriculum development, syllabus revision, and introducing new courses. These activities are carried out by the Curriculum Development Cell (CDC), with input from the Board of Studies and approval from the Academic Council.

Placement activities are coordinated by department-specific Placement Coordinators, who collaborate with the Central Placement and Training Officer to provide company-specific training, upskilling, and placement services.

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

For student accommodation, faculty members are appointed as Chief Wardens, Joint Chief Wardens, Wardens, and Mess Superintendents to oversee hostel administration and student welfare.

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 formulated a comprehensive five-year strategic plan that spans key areas including Teaching and Learning, Research, Governance, and Sustainability. This plan is designed to guide the institution's growth and development while ensuring alignment with academic and operational objectives. To ensure effective implementation, the strategic plan is subjected to periodic monitoring and evaluation, with regular assessments to track progress and make necessary adjustments.

The plan's design incorporates key accreditation parameters, allowing for objective measurement of its effectiveness. These parameters serve as benchmarks for evaluating the success of the

strategic initiatives across different domains. By aligning the plan with these standards, the institution ensures that its goals remain in line with both internal priorities and external accreditation requirements.

Through this structured approach, the institution aims to foster continuous improvement in teaching, research, and governance, while also promoting sustainability in its operations. The strategic plan's deployment is a dynamic process that involves active participation from all levels of leadership, faculty, and staff, ensuring that the institution remains focused on achieving its long-term objectives while addressing emerging challenges.

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.

KITS adheres to all UGC guidelines for the governance of Deemed-to-be Universities, ensuring effective and efficient functioning. The institution is led by the Vice-Chancellor, who, in consultation with the Board of Management (BoM), frames governing statutes. The Vice-Chancellor oversees the overall governance, while the Registrar ensures the implementation of decisions.

The organizational structure fosters a participatory approach, with faculty members, Heads, Deans, Directors, and Controlling Officers working within the established rules. Various statutory bodies monitor policy implementation and suggest necessary changes to the BoM. The HR policy is publicly available on the website to ensure transparency.

The institution has clearly defined outcomes and targets for optimizing human resources. The HR committee, based on faculty performance appraisals, determines annual increments and cadre revisions. The fee structure is designed to reflect the operational costs of each program, and the consolidated budget is reviewed and approved by the Finance Committee.

For transparency, all policies, service rules, and guidelines are uploaded on the Karunya Intranet, allowing stakeholders to access necessary information easily and ensuring accountability across the institution.

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	A. All of the above
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 comprehensive and automated performance appraisal system. Faculty members regularly update their publications and achievements on the online portal, which calculates their API score.
Incentives are provided to faculty members for high-quality SCI-indexed publications, consultancy assignments, and funded projects, encouraging them to publish in prestigious journals. Non-teaching staff also undergo periodic training to enhance their technical skills.
Welfare measures for faculty and staff include pay scale fixation according to the 7th Pay Commission, along with appropriate Dearness Allowance (DA). Additional benefits include EPF, Gratuity, Staff Benevolent Fund, and Medical Insurance. Faculty and staff are offered subsidized rent for quarters and scholarships for their children's admission. Special concessions are available for faculty engaged in ongoing funded research and consultancy projects.
On-campus facilities for faculty and staff include a bank, ATMs,

post office, schools, buses, campus security, telephone exchange, guest house, restaurants, canteen, police station, rural community hospital, and an electricity substation.

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

7

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

33

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)

113

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

The institution follows a well-structured financial management system, utilizing digital tools to ensure transparency and

efficiency. The primary sources of income include student fees, research grants from government funding agencies, funded projects, consultancy revenue, and contributions from alumni.

Scope of the Policy:

Infrastructure Planning: The Infrastructure Development Committee assesses the infrastructure needs and financial requirements at the start of each academic year. This ensures coordination with the Construction and Maintenance Department as well as the Purchase Department for timely implementation.

Budget Planning: Provisional budget proposals are requested from Deans, Heads of Departments, and Controlling Officers in January or February for the upcoming academic year. These proposals are reviewed by the Finance Committee and Board of Management (BoM). A mid-term revision of the budget is conducted to ensure optimal utilization of funds within the fiscal year. Provisions are made for the approval of budgets related to specific requirements.

Monitoring Fund Utilization: KITS employs an independent statutory audit firm to audit its accounts as per institutional and government requirements. Additionally, an in-house internal auditor monitors daily operations to ensure proper financial management and accountability.

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)

197.51

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)

14

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 both internal and external financial audits in compliance with statutory requirements. The Finance Officer, a qualified Chartered Accountant, and his experienced team ensure the proper utilization and accounting of funds.

External Audit: An external Chartered Accountants firm is responsible for conducting statutory audits, covering all financial and accounting activities of the institution. The audit includes scrutiny and verification of the following:

1. Receipts from fees, grants, contributions, interest, and miscellaneous income.
2. Payments made to staff, vendors, contractors, service providers, and student refunds.
3. Accounting for fixed assets, asset capitalization, fixed deposits, renewals, and loan repayments.
4. Contracts and agreements entered into by the institution with banks, financial institutions, corporates, contractors, vendors, etc.
5. Compliance with statutory returns to government agencies, including Income Tax, Goods and Services Tax, Provident Fund, etc.
6. Financial transactions related to externally funded projects, including the endorsement of expenditure statements and utilization certificates by the external auditor.

Internal Audit: KITS engages an independent internal auditor and a team of auditors to review and verify all vouchers and documents, ensuring accuracy and accountability in financial transactions.

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 plays a pivotal role in fostering academic growth by establishing and refining strategies and processes for continuous improvement. It serves as a foundation for academic development, monitoring, and ensuring quality assurance in teaching, learning, and evaluation. Under the coordination of the Director-QAA and Head of Training, the institution organized 36 training programs aimed at equipping both faculty and non-teaching staff with essential skills.

KITS has implemented a structured mechanism for developing a learner-centric, activity-based teaching approach. In addition, a comprehensive induction program is conducted for newly recruited faculty members, preparing them to be effective teachers, mentors, counselors, and leaders.

Academic Audit: The institution conducts academic audits to streamline academic functions and standardize practices, ensuring optimal performance from all faculty members in teaching and learning. This process involves evaluating teaching practices through external experts from renowned institutions like IITs and NITs. The feedback from these audits is used to assess the achievement of Program Outcomes (POs) and Program Specific Outcomes (PSOs) at graduation. This approach helps departments achieve NBA accreditation for their programs, fostering consistency and excellence across the institution.

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 Conferences, Seminars, Workshops on quality conducted Collaborative quality initiatives with other institution(s) Orientation programme on quality issues for teachers and students 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 undertaken several initiatives to drive incremental improvements and enhance the overall quality of education. Key initiatives include:

1. **Strategic Alignment with Accreditation Criteria:** KITS ensures that all academic and administrative practices align with accreditation standards, continuously monitoring and adapting strategies to uphold high-quality benchmarks.
2. **Faculty Development Programs:** To enhance teaching and research capabilities, KITS plans and implements Faculty Development Programs aimed at improving pedagogical methods, research skills, and professional growth.
3. **Policy Evaluation and Enhancement:** Existing policies concerning academics, administration, and quality assurance are regularly reviewed and updated to meet evolving standards and improve institutional effectiveness.
4. **Blended Learning Implementation:** In line with the National Education Policy (NEP), KITS has introduced blended learning models, integrating both online and offline teaching methods to provide a flexible and engaging learning experience.
5. **Effective Execution of Post-Accreditation Initiatives:** Heads of Departments (HoDs) and Deans are briefed on the post-accreditation initiatives, ensuring effective execution and integration into the institution's operations.

These initiatives reflect KITS's commitment to continuous improvement, creating an environment that fosters academic excellence, innovative teaching, and holistic development for both faculty and students.

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 7106 students and 510 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

<p>7.1.6.1 - The institution's initiatives to preserve and improve the environment and harness energy are confirmed through the following:</p> <ol style="list-style-type: none"> 1. Green audit 2. Energy audit 3. Environment audit 4. Clean and green campus recognitions/awards 5. Beyond the campus environmental promotional activities 	<p>A. Any 4 or all of the above</p>
<p>File Description</p>	<p>Documents</p>
<p>Upload relevant supporting document</p>	<p>View File</p>
<p>7.1.7 - The Institution has a disabled-friendly and barrier-free environment Ramps/lifts for easy access to classrooms and centres. Disabled-friendly washrooms Signage including tactile path lights, display boards and signposts Assistive technology and facilities for persons with disabilities: accessible website, screen-reading software, mechanized equipment, etc. Provision for enquiry and information: Human assistance, reader, scribe, soft copies of reading materials, screen reading, etc.</p>	<p>A. Any 4 or all of the above</p>
<p>File Description</p>	<p>Documents</p>
<p>Upload relevant supporting document</p>	<p>View File</p>
<p>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)</p>	
<p>KITS provides a multicultural and multilingual environment for its students, with 2,133 students representing various States and Union Territories across India. Committed to fostering holistic development, the institution organizes diverse events to promote patriotism, fraternity, social and environmental awareness, gender sensitization, and more.</p>	

- 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 February 21 and 22, 2024.

<p>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.</p>	<p>All of the above</p>
---	-------------------------

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.

KITS also celebrates important events such as Institution's Innovation Day (Dr. APJ Abdul Kalam's birth anniversary) on 15th October, National Entrepreneurship Day on 9th November, National Education Day on 11th November, National Pollution Control Day on 2nd December, National Energy Conservation Day on 14th December, National Youth Day on 12th January, National Startup Day on 16th January, National Science Day on 28th February, World Intellectual Property Day on 26th April.

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 Nirbhar Bharat)
- 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 2023-24 AY, Three funded projects were carried out in the water domain at a total outlay of more than Rs.166.62 lakh funded by DST-

FIST and SERB. The projects dealt with topics like Establishment of Environmental Isotope Hydrology & Design and Development of Multipurpose Cryogenic Processing line for Leafy Medicinal Herbals. An interdisciplinary group of 40 faculty members involve in water research and more than 165 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 institutionalizing bestpractices. Few of the quality initiatives of IQAC for the next academic year are given below:

1. NBA accreditation for 4PG Program
2. Better Global Rankings
3. Revised targets for publications, funded projects and patents.
4. Startup and entrepreneurship initiatives
5. Consultancy activities enhancement
6. Transfer of credits for online courses
7. Implementing Competency focused curriculum