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Yearly Status Report - 2018-2019

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. P. Mannar Jawahar
Designation	Vice Chancellor
Does the Institution function from own campus	Yes
Phone no/Alternate Phone no.	0422-2614311
Mobile no.	9487846516
Registered Email	registrar@karunya.edu
Alternate Email	vc@karunya.edu
Address	Karunya Nager, Coimbatore
City/Town	Coimbatore
State/UT	Tamil Nadu
Pincode	641114

2. Institutional Status																									
University			Deemed																						
Type of Institution			Co-education																						
Location			Rural																						
Financial Status			private																						
Name of the IQAC co-ordinator/Director			Dr, D. Tensing																						
Phone no/Alternate Phone no.			04222614572																						
Mobile no.			9487846515																						
Registered Email			director_qaa@karunya.edu																						
Alternate Email			dtensing@karunya.edu																						
3. Website Address																									
Web-link of the AQAR: (Previous Academic Year)			https://www.karunya.edu/igac/aqar																						
4. Whether Academic Calendar prepared during the year			Yes																						
if yes,whether it is uploaded in the institutional website: Weblink :			http://www.karunya.edu/academiccalendar																						
5. Accrediation Details																									
<table border="1"> <thead> <tr> <th rowspan="2">Cycle</th> <th rowspan="2">Grade</th> <th rowspan="2">CGPA</th> <th rowspan="2">Year of Accrediation</th> <th colspan="2">Validity</th> </tr> <tr> <th>Period From</th> <th>Period To</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>B</td> <td>2.70</td> <td>2014</td> <td>24-Dec-2014</td> <td>23-Sep-2019</td> </tr> <tr> <td>1</td> <td>B</td> <td>2.91</td> <td>2016</td> <td>25-May-2016</td> <td>24-May-2021</td> </tr> </tbody> </table>						Cycle	Grade	CGPA	Year of Accrediation	Validity		Period From	Period To	1	B	2.70	2014	24-Dec-2014	23-Sep-2019	1	B	2.91	2016	25-May-2016	24-May-2021
Cycle	Grade	CGPA	Year of Accrediation	Validity																					
				Period From	Period To																				
1	B	2.70	2014	24-Dec-2014	23-Sep-2019																				
1	B	2.91	2016	25-May-2016	24-May-2021																				
6. Date of Establishment of IQAC			01-May-2004																						
7. Internal Quality Assurance System																									
<table border="1"> <thead> <tr> <th colspan="3">Quality initiatives by IQAC during the year for promoting quality culture</th> </tr> <tr> <th>Item /Title of the quality initiative by IQAC</th> <th>Date & Duration</th> <th>Number of participants/ beneficiaries</th> </tr> </thead> <tbody> <tr> <td>Colloquium on Thrust</td> <td>20-Jun-2019</td> <td>400</td> </tr> </tbody> </table>						Quality initiatives by IQAC during the year for promoting quality culture			Item /Title of the quality initiative by IQAC	Date & Duration	Number of participants/ beneficiaries	Colloquium on Thrust	20-Jun-2019	400											
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Colloquium on Thrust	20-Jun-2019	400																							

areas (Health, Energy, Food & Water)	2	
View File		

8. 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
Dr. Kumudha Raimond	Visvesvaraya Ph.D. Scheme	Digital India Corporation (formerly Media Lab Asia)	2018 365	1465841
View File				

9. Whether composition of IQAC as per latest NAAC guidelines:	Yes
Upload latest notification of formation of IQAC	View File
10. Number of IQAC meetings held during the year :	2
The minutes of IQAC meeting and compliances to the decisions have been uploaded on the institutional website	Yes
Upload the minutes of meeting and action taken report	View File
11. Whether IQAC received funding from any of the funding agency to support its activities during the year?	No

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

Preparation for the Extension of NBA Accreditation for B.Tech Civil Engineering and B.Tech Mechanical Engineering Programs from 2018-19 to 2020-21.
Preparation for NBA Accreditation of B.Tech Computer Science and Engineering, B.Tech Electronics and Communication Engineering, B.Tech Electrical and Electronics Engineering and B.Tech Biotechnology Programs.
Implementation of e-Course File Audit for the Even Semester of the Academic year 2018-19 (Academic Audit).
Collection, compilation and submission of data for NIRF 2019 and ARIIA Ranking 2019.

Preparation and submission of data for QS I GAUGE Rating.

[View File](#)

13. Plan of action chalked out by the IQAC in the beginning of the academic year towards Quality Enhancement and outcome achieved by the end of the academic year

Plan of Action	Achivements/Outcomes
To organize and conduct faculty training program	Effectively conducted during the month of May and June
Road map for the Departments	Targets on various quality parameters of Accrediting and ranking Agencies have been given
View File	

14. Whether AQAR was placed before statutory body ?

Yes

Name of Statutory Body	Meeting Date
Academic Council	18-May-2019

15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?

No

16. Whether institutional data submitted to AISHE:

Yes

Year of Submission

2019

Date of Submission

01-Aug-2019

17. Does the Institution have Management Information System ?

Yes

If yes, give a brief descripton and a list of modules currently operational (maximum 500 words)

'Eduserve' an ERP of KITS manages all Academic and Administrative matters of its Stakeholders. There are 10 modules, such as HR, Students, Academics, Tests, Hostel, Admissions, MIS, Payment, Support and Transport, with the details and processes mentioned below: HR Module: Faculty Leave process and approval, Biometric details, Salary details (Pay slips and Form 16), Process for Annual Increment and Online processing of applications for recruitment. Students Module: Personal

details, Subject Registration, Attendance, Internal Assessment marks, Class Time table, Hall ticket generation, Exam Time table, Exam Results, NonAcademic Club Registration, Online payment of Fees, Receipt downloads, Leave applications (Personal leave, Medical leave, Request for Bonafide Certificate etc. Academics Module: Attendance (entry/change/delete), Attendance reports, Blue book reports (Teaching Plan and completion status), Internal Assessment (IA) (Registration, Entry of marks, Processing of marks, Reports), Mentors (Mentees details, Mentee attendance report, Leave approvals, Mentor Mentee Meeting minutes, Fees dues etc.), Exam duties and API (Data entry for Journal/conference Publications, Funded Project details, Patents, Placement, Consultancy, Incubation, Performance and Achievement Reports). Exam Module: Exam configuration, calendar and session management, time table scheduling, student seating, invigilation and other reports, Exam Attendance Limit Setting Exemption and Results Hostel Module: Hostel layout and Capacity, Room allotment, Hostel Attendance, Leave approval and Hostel Floor Staff allotment. MIS Module: Student Information on Class attendance, Leave Particulars, Fee Dues, Students on 'out of roll', Unmarked attendance, Students' feedback on Teaching Learning Process, Hourly feedback on classes etc. Finance Module: Creating fee demand, setting limit for fee dues, fee exemption and fee payment. Support Module: Tickets for network service can be generated and Demo videos of the software can be viewed. Transport Module: Transport request, vehicle approval, transport cancellation and transport usage details can be obtained. The Parents can view the hourly attendance, internal marks, semester results and grades, Mentor details and fee dues. This Portal is effectively managed and utilized by the University Administrators, Faculty, Students and Parents.

Part B

CRITERION I – CURRICULAR ASPECTS

1.1 – Curriculum Design and Development

1.1.1 – Programmes for which syllabus revision was carried out during the Academic year

Name of Programme	Programme Code	Programme Specialization	Date of Revision
BTech	1-3672511774	Civil Engineering	04/07/2018
BTech	1-3672511777	Mechanical Engineering	04/07/2018
BTech	1-3710653298	Aerospace Engineering	04/07/2018
BTech	1-5024306306	Electronics and Communication Engineering	04/07/2018
BTech	1-3713121585	Electrical and Electronics Engineering	04/07/2018
BTech	1-3713262195	Electronics and Instrumentation Engineering	04/07/2018
BTech	1-3710593208	Biotechnology	04/07/2018
BTech	1-3710497451	Food Processing Engineering	04/07/2018
BTech	1-3698748045	Computer Science and Engineering	04/07/2018
BTech	1-3710531847	Agricultural Engineering	04/07/2018
View File			

1.1.2 – Programmes/ courses focussed on employability/ entrepreneurship/ skill development during the Academic year

Programme with Code	Programme Specialization	Date of Introduction	Course with Code	Date of Introduction
BTech	Agriculture	04/07/2018	Intellectual Property Rights 18AG2026	04/07/2018
BTech	Agriculture	04/07/2018	Entrepreneurs hip Development and Business Management 18AG2025	04/07/2018
Mtech	Biotechnology	04/07/2018	Biosafety, Bioethics and IPR 15BT3012	04/07/2018
Mtech	Biotechnology	04/07/2018	Entrepreneurs hip and Management 18BT3032	04/07/2018
View File				

1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the Academic year

Programme/Course	Programme Specialization	Dates of Introduction
BTech	Robotics and Automation	04/07/2018
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1.2.2 – Programmes in which Choice Based Credit System (CBCS)/Elective Course System implemented at the University level during the Academic year.

Name of programmes adopting CBCS	Programme Specialization	Date of implementation of CBCS/Elective Course System
BTech	Civil, Mechanical, Aerospace, ECE,EEE,IE,CSE ,BIOTECH,FOOD PRO,02.	02/07/2018
Mtech	Advanced Manufacturing Technology, Aerospace Engineering,Biotechnology , Biomedical Instrumentation	02/07/2018
Mtech	Communication Systems, Computer Science and Engineering, Cyber Security, Embedded Systems, Engineering Design	02/07/2018
Mtech	Environment and Water Resources Engineering, Food Processing Technology, Geotechnical Engineering, Renewable Energy,Structural Engineering	02/07/2018
Mtech	Thermal Engineering, VLSI Design	02/07/2018
MBA	Business Administration	02/07/2018
BCom	Commerce	02/07/2018
BSc	Agriculture, Horticulture	02/07/2018
MSc	Mathematics, Physics, Chemistry, Nano Science, ISDF, Viscom	02/07/2018
BSc	ISDF	02/07/2018
BBA	Business Administration	02/07/2018

1.3 – Curriculum Enrichment

1.3.1 – Value-added courses imparting transferable and life skills offered during the year

Value Added Courses	Date of Introduction	Number of Students Enrolled
Introduction of Computational Fluid Dynamics (CFD)	02/07/2018	24
Cisco Certified Network Associate	02/07/2018	16

Tally ERP 9.1	02/07/2018	30
View File		

1.3.2 – Field Projects / Internships under taken during the year

Project/Programme Title	Programme Specialization	No. of students enrolled for Field Projects / Internships
BTech	Mechanical Engineering	183
BTech	Biotechnology	117
MSc	Chemistry	14
View File		

1.4 – Feedback System

1.4.1 – Whether structured feedback received from all the stakeholders.

Students	Yes
Teachers	Yes
Employers	Yes
Alumni	Yes
Parents	Yes

1.4.2 – How the feedback obtained is being analyzed and utilized for overall development of the institution? (maximum 500 words)

Feedback Obtained Student Class Committee Meetings: Class Committee meetings are conducted once in a fortnight in which the student representatives give feedback related to their classes, hostel and all other issues. At the end of every semester student feedback is obtained from all students on Teaching Learning Process. The feedback reports are analysed and corrective measures are taken to improve curriculum, teaching, facilities etc. Faculty Meetings Faculty share their views in faculty meetings organized by the University. The Head of the Department organizes faculty meetings once in a month to discuss academic matters, students performance progress and resolve issues. Faculty feedback are collected during the meetings and necessary actions are taken. Feedback from other Stakeholders such as Employers and Alumni are also obtained through the Industry Advisory Board and from the External Experts of Board of Studies. The curriculum and regulations are modified as per the recommendations. Alumni Feedback Alumni Meet is arranged once in a year by departments to discuss the existing academic practices and the necessity for improvement. The Feedback is analysed and appropriate actions are initiated in the University. Employer Feedback Employer feedback is obtained to assess the performance of the graduates in the organization where they are placed. The Employers give their feedback on Professional knowledge, Leadership qualities, Creativity, Team Building and the Attitude of the graduates. Parents Feedback Parents' feedback is collected at the Parents Meet conducted once in a year by Departments. Feedback is received in an open forum where they share their suggestions and concerns. Based on the input from Parents, suitable measures are taken, to address lapses if any.

CRITERION II – TEACHING- LEARNING AND EVALUATION

2.1 – Student Enrolment and Profile

2.1.1 – Demand Ratio during the year

Name of the	Programme	Number of seats	Number of	Students Enrolled
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Programme	Specialization	available	Application received	
BTech	Aerospace Engineering	60	174	50
BTech	Agricultural Engineering	40	55	11
BTech	Biomedical Engineering	60	81	30
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2.2 – Catering to Student Diversity

2.2.1 – Student - Full time teacher ratio (current year data)

Year	Number of students enrolled in the institution (UG)	Number of students enrolled in the institution (PG)	Number of fulltime teachers available in the institution teaching only UG courses	Number of fulltime teachers available in the institution teaching only PG courses	Number of teachers teaching both UG and PG courses
2018	1890	370	424	40	464

2.3 – Teaching - Learning Process

2.3.1 – Percentage of teachers using ICT for effective teaching with Learning Management Systems (LMS), E-learning resources etc. (current year data)

Number of Teachers on Roll	Number of teachers using ICT (LMS, e-Resources)	ICT Tools and resources available	Number of ICT enabled Classrooms	Number of smart classrooms	E-resources and techniques used
502	418	141	139	9	3

[View File of ICT Tools and resources](#)

[View File of E-resources and techniques used](#)

2.3.2 – Students mentoring system available in the institution? Give details. (maximum 500 words)

KITS being a fully residential Institution with 7500 students residing on campus, mentoring is given significant importance. Since mentoring is a youth development strategy that can lead to successful adulthood` and enable students to make appropriate career choices, it is implemented professionally on campus. Being a powerful personality development tool, the mentors adopt appropriate strategies to help students develop their personality, cope in academics successfully progress in their career. The Mentor in KITS is a faculty member who is assigned 25 students from his/her department as mentees and assumes the role of a campus guardian and counsellor. In this relationship mutual trust and respect is fostered between the Mentors and Mentees. The responsibility of the mentor is also to update the details of the mentees and parents (Postal address, contact number) in the Eduserve Portal. The mentors meet the mentees once in two weeks and upload the minutes of the meetings in the portal. The slots for the mentor meetings is fixed by the department and incorporated in the timetable. The mentors update the mentee's parents about the academic progress of their wards, their strengths weakness and the support offered by the Institution to help them overcome challenges in their personal and academic front. The Mentor monitors the attendance of the Mentees. The attendance during the common assembly programs and class is periodically reviewed on the basis of the guidelines in this Policy. The mentors also identify the skills and talents of their wards and provide adequate support to nurture develop them through curricular, co-curricular and extra-curricular activities. The mentors periodically review the performance of their wards in Internal assessments, Semester Examinations and Placements.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
8683	464	1 : 19

2.4 – Teacher Profile and Quality

2.4.1 – Number of full time teachers appointed during the year

No. of sanctioned positions	No. of filled positions	Vacant positions	Positions filled during the current year	No. of faculty with Ph.D
425	471	Nil	48	260

2.4.2 – Honours and recognition received by teachers (received awards, recognition, fellowships at State, National, International level from Government, recognised bodies during the year)

Year of Award	Name of full time teachers receiving awards from state level, national level, international level	Designation	Name of the award, fellowship, received from Government or recognized bodies
2018	Dr. Aldin Justin Sundararaj	Assistant Professor	Young Engineers Award
2018	Dr N Anand	Associate Professor	Vishwakarma Award
2019	Aldin Justin Sundararaj	Assistant Professor	Young Engineers Award
2019	Dr Sneha Gautam	Assistant Professor	IEI Young Engineers Award
2019	Dr Sneha Gautam	Assistant Professor	Young Environmental Engineering Award
2019	Dr Sneha Gautam	Assistant Professor	Reviewer Recognition Award, Environmental International Elsevier Publication

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2.5 – Evaluation Process and Reforms

2.5.1 – Number of days from the date of semester-end/ year- end examination till the declaration of results during the year

Programme Name	Programme Code	Semester/ year	Last date of the last semester-end/ year-end examination	Date of declaration of results of semester-end/ year- end examination
BTech	1-3698748045	Odd	20/12/2018	08/01/2019
BTech	1-3672511777	Odd	20/12/2018	08/01/2019
Mtech	1-3712228547	Even	24/05/2019	04/06/2019
Mtech	1-3725340778	Even	24/05/2019	04/06/2019

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2.5.2 – Average percentage of Student complaints/grievances about evaluation against total number appeared in the examinations during the year

Number of complaints or grievances about evaluation	Total number of students appeared in the examination	Percentage
2376	15444	15.4

2.6 – Student Performance and Learning Outcomes

2.6.1 – Program outcomes, program specific outcomes and course outcomes for all programs offered by the institution are stated and displayed in website of the institution (to provide the weblink)

<https://www.karunya.edu/po>

2.6.2 – Pass percentage of students

Programme Code	Programme Name	Programme Specialization	Number of students appeared in the final year examination	Number of students passed in final year examination	Pass Percentage
1-3710653298	BTech	Aerospace Engineering	94	73	78
1-3710593208	BTech	Biotechnology	110	98	89
1-3712247382	Mtech	Computer Science and Engineering	14	14	100
1-3713167179	Mtech	VLSI Design	7	6	86
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2.7 – Student Satisfaction Survey

2.7.1 – Student Satisfaction Survey (SSS) on overall institutional performance (Institution may design the questionnaire) (results and details be provided as weblink)

<https://karunya.edu/iqac/reports>

CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION

3.1 – Promotion of Research and Facilities

3.1.1 – Teachers awarded National/International fellowship for advanced studies/ research during the year

Type	Name of the teacher awarded the fellowship	Name of the award	Date of award	Awarding agency
National	Dr.Samson Nesaraj	Research Grant	20/11/2018	Central Power Research Institute
National	Dr. Ananthi	Research Grant	20/11/2018	BRNS-DAE
View File				

3.1.2 – Number of JRFs, SRFs, Post Doctoral Fellows, Research Associates and other fellows in the Institution enrolled during the year

Name of Research fellowship	Duration of the fellowship	Funding Agency
JRF	1095	DST
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3.2 – Resource Mobilization for Research

3.2.1 – Research funds sanctioned and received from various agencies, industry and other organisations

Nature of the Project	Duration	Name of the funding agency	Total grant sanctioned	Amount received during the year

Major Projects	1095	DST SERB	44.35	28
Major Projects	1095	DAE	22.63	6.69
Major Projects	548	CPRI	27.46	15.56
Major Projects	1095	DST SERB	26.31	12.37
Major Projects	1095	DST	17.71	10
Major Projects	1095	ISRO	30.44	18.66
Major Projects	730	EMC	76.9	0
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3.3 – Innovation Ecosystem

3.3.1 – Workshops/Seminars Conducted on Intellectual Property Rights (IPR) and Industry-Academia Innovative practices during the year

Title of workshop/seminar	Name of the Dept.	Date
Patent drafting, Patent search, Patent portfolio analysis, Patent licensing and Patent prosecution for Indian, US and European	Karunya Competency Development Centre	18/06/2019
View File		

3.3.2 – Awards for Innovation won by Institution/Teachers/Research scholars/Students during the year

Title of the innovation	Name of Awardee	Awarding Agency	Date of award	Category
Innovative Scientific Research Professional, Malaysia	Dr. Jims John wesley	Innovative Scientific Research Professional	20/08/2018	Teacher
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3.3.3 – No. of Incubation centre created, start-ups incubated on campus during the year

Incubation Center	Name	Sponsored By	Name of the Start-up	Nature of Start-up	Date of Commencement
Karunya Innovation and incubation Centre	KIIC	KITS	Nil	Nil	02/07/2018
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3.4 – Research Publications and Awards

3.4.1 – Ph. Ds awarded during the year

Name of the Department	Number of PhD's Awarded
------------------------	-------------------------

Civil Engineering	4
Biotechnology	11
Chemistry	8
Computer Science and Engineering	1
Electrical and Electronics Engineering	1
Electronics and Communication Engineering	3
Electronics and Instrumentation Engineering	1
Food Processing Engineering	2
Information Technology	2
Mechanical Engineering	10
Physics	5
Nano Technology	1
Management Sciences	4
English	2
Computer Applications	3

3.4.2 – Research Publications in the Journals notified on UGC website during the year

Type	Department	Number of Publication	Average Impact Factor (if any)
International	Electronics and Communication Engineering	56	2.02
International	Chemistry	45	2.97
International	Computer Science and Engineering	36	2.3
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3.4.3 – Books and Chapters in edited Volumes / Books published, and papers in National/International Conference Proceedings per Teacher during the year

Department	Number of Publication
Civil Engineering	11
Mechanical Engineering	41
View File	

3.4.4 – Patents published/awarded/applied during the year

Patent Details	Patent status	Patent Number	Date of Award
BATTERY CHARGING METHOD AND SYSTEM	Published	201841013379	16/11/2018
BIOSYNTHESIS OF ISOPROPYL MYRISTATE	Published	201841028122	16/11/2018
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3.4.5 – Bibliometrics of the publications during the last academic year based on average citation index in Scopus/ Web of Science or PubMed/ Indian Citation Index

Title of the Paper	Name of Author	Title of journal	Year of publication	Citation Index	Institutional affiliation as mentioned in the publication	Number of citations excluding self citation
Pyrene-p henylglyci nol linked reversible ratiometri c fluoresc ent chemos ensor for the detection of aluminium in nanomolar range and its bio- imaging	Prabhu, J., Velmur ugan, K., Raman, A., Duraipandy , N., Kiran, M.S., Easw aramoorthi , S., Tang, L., Nandhakuma r, R.	Renewable and Sustai nable Energy Reviews	2018	25.5	Karunya institute of Technology and Sciences	47
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3.4.6 – h-Index of the Institutional Publications during the year. (based on Scopus/ Web of science)

Title of the Paper	Name of Author	Title of journal	Year of publication	h-index	Number of citations excluding self citation	Institutional affiliation as mentioned in the publication
Potential of metabolic engineerin g in bacterial nanosilver synthesis	Mitra S., Das A., Sen S., Mahanty B.	World Journal of Microbiolo gy and Bio technology	2018	76	1	Karunya Institute of Technology and Sciences
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3.4.7 – Faculty participation in Seminars/Conferences and Symposia during the year

Number of Faculty	International	National	State	Local
Attended/Semi nars/Workshops	10	46	68	385
Presented papers	13	34	39	52
Resource persons	4	15	56	74
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3.5 – Consultancy

3.5.1 – Revenue generated from Consultancy during the year

Name of the Consultan(s) department	Name of consultancy project	Consulting/Sponsoring Agency	Revenue generated (amount in rupees)
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Dr. PD Arumairaj, Civil Engineering	Project Mangement Consultancy for soil investigation, design and execution for proposed new bus stand at sulur, Coimbatore	Executive Engineer, Sulur Town Panchayat	600000
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3.5.2 – Revenue generated from Corporate Training by the institution during the year

Name of the Consultan(s) department	Title of the programme	Agency seeking / training	Revenue generated (amount in rupees)	Number of trainees
Dr. J. Sundarsingh	BEC Certification	Cambridge Assessment English	916400	120
Dr.R.Chandrasakaran	Consultancy Training	India Post	98600	30
View File				

3.6 – Extension Activities

3.6.1 – Number of extension and outreach programmes conducted in collaboration with industry, community and Non- Government Organisations through NSS/NCC/Red cross/Youth Red Cross (YRC) etc., during the year

Title of the activities	Organising unit/agency/ collaborating agency	Number of teachers participated in such activities	Number of students participated in such activities
Free Breast Cancer Screening Camp, 1st July 2018	Rotaract Club in association with Thenmozhi Memorial Trust	5	120
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3.6.2 – Awards and recognition received for extension activities from Government and other recognized bodies during the year

Name of the activity	Award/Recognition	Awarding Bodies	Number of students Benefited
Meme a Day Conest	DAPCU - Meme a Day Contest	District Administration	1
No file uploaded.			

3.6.3 – Students participating in extension activities with Government Organisations, Non-Government Organisations and programmes such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the year

Name of the scheme	Organising unit/Agency/collaborating agency	Name of the activity	Number of teachers participated in such activites	Number of students participated in such activites
Gender Issue	Free Breast Cancer Screening Camp, 1st July 2018	Rotaract Club in association with Thenmozhi Memorial Trust	5	120
Village Adoption Scheme	UNNAT BHARAT ABHIYAN (UBA) -	UBA- MHRD	2	15

	Survey of Households at Perumalkoilpathi Kalkothipathy, May 14, 2018 and June 27, 2018			
Flood Relief Camp	Relief Camp for Flood hit victims in Kerala 15th August 2018.	IRCS, Phalghat	5	30
View File				

3.7 – Collaborations

3.7.1 – Number of Collaborative activities for research, faculty exchange, student exchange during the year

Nature of activity	Participant	Source of financial support	Duration
Pubilished research article in Trents in Mathematics	Farzad Ebrahimi	Department of Mechanical Engineering, Faculty of Engineering, Imam Khomeini International University, Qazvin, Iran	365
View File			

3.7.2 – Linkages with institutions/industries for internship, on-the- job training, project work, sharing of research facilities etc. during the year

Nature of linkage	Title of the linkage	Name of the partnering institution/ industry /research lab with contact details	Duration From	Duration To	Participant
Job Training	Training F7and F8 modules	Global FTI and ACCA UK	02/07/2018	01/07/2019	15
View File					

3.7.3 – MoUs signed with institutions of national, international importance, other universities, industries, corporate houses etc. during the year

Organisation	Date of MoU signed	Purpose/Activities	Number of students/teachers participated under MoUs
Shibin Nutraceuticals Pvt.Ltd.	21/01/2019	Academic Research, Exchange of Technical Expertise, Industrial Visits, Training and internships for	3

students, Faculty exchange, Utilization of Expertise of both the parties.

[View File](#)

CRITERION IV – INFRASTRUCTURE AND LEARNING RESOURCES

4.1 – Physical Facilities

4.1.1 – Budget allocation, excluding salary for infrastructure augmentation during the year

Budget allocated for infrastructure augmentation	Budget utilized for infrastructure development
360	359.7

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Video Centre	Existing
Value of the equipment purchased during the year (rs. in lakhs)	Newly Added
Number of important equipments purchased (Greater than 1-0 lakh) during the current year	Newly Added
Campus Area	Existing
Class rooms	Newly Added
Laboratories	Newly Added
Seminar Halls	Existing
Classrooms with LCD facilities	Newly Added
Classrooms with Wi-Fi OR LAN	Newly Added
Seminar halls with ICT facilities	Existing
No file uploaded.	

4.2 – Library as a Learning Resource

4.2.1 – Library is automated {Integrated Library Management System (ILMS)}

Name of the ILMS software	Nature of automation (fully or patially)	Version	Year of automation
AutoLib	Fully	Advanced university version	2018

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	123989	44557969	2834	1132350	126823	45690319
Reference Books	8770	18994097	216	341922	8986	19336019
e-Books	142618	908700	142618	458679	285236	1367379
Journals	7609	20258181	238	605075	7847	20863256

e-Journals	2433	18866896	2433	7462974	4866	26329870
Digital Database	1	11482072	1	3826566	2	15308638
CD & Video	5020	795207	76	12008	5096	807215

[View File](#)

4.2.3 – E-content developed by teachers such as: e-PG- Pathshala, CEC (under e-PG- Pathshala CEC (Under Graduate) SWAYAM other MOOCs platform NPTEL/NMEICT/any other Government initiatives & institutional (Learning Management System (LMS) etc

Name of the Teacher	Name of the Module	Platform on which module is developed	Date of launching e-content
Dr Tensing D	Design of Steel Structures	Learning Management System	04/07/2018
Dr. Christy T.V.	Power Plant Engineering	Learning Management System	04/07/2018
Dr. Immanuel Selvakumar A	Power System Analysis	Learning Management System	04/07/2018

[View File](#)

4.3 – IT Infrastructure

4.3.1 – Technology Upgradation (overall)

Type	Total Computers	Computer Lab	Internet	Browsing centers	Computer Centers	Office	Departments	Available Bandwidth (MBPS/GBPS)	Others
Existing	2625	18	1200	18	3	1	0	1200	0
Added	5	0	100	0	0	0	0	100	0
Total	2630	18	1300	18	3	1	0	1300	0

4.3.2 – Bandwidth available of internet connection in the Institution (Leased line)

1300 MBPS/ GBPS

4.3.3 – Facility for e-content

Name of the e-content development facility	Provide the link of the videos and media centre and recording facility
Karunya Media Centre	https://www.karunya.edu/mc/facilities

4.4 – Maintenance of Campus Infrastructure

4.4.1 – Expenditure incurred on maintenance of physical facilities and academic support facilities, excluding salary component, during the year

Assigned Budget on academic facilities	Expenditure incurred on maintenance of academic facilities	Assigned budget on physical facilities	Expenditure incurred on maintenance of physical facilities
4580	4580	360	360

4.4.2 – Procedures and policies for maintaining and utilizing physical, academic and support facilities - laboratory, library, sports complex, computers, classrooms etc. (maximum 500 words) (information to be available in institutional Website, provide link)

Class Rooms and Laboratories: Class rooms are provided with black board, LCD projectors, furniture and electrical fittings. Laboratories are provided with Equipment, Electrical connections, furniture, safety equipment etc. The Construction and Maintenance Department of the University regularly takes care of the maintenance of all the above facilities. For any additional service requirement, the Departments/Sections will raise 'Online Service Requisition'. The required service will be rendered within 3 days from the date of request. Class rooms are allocated based on the time table generated through ERP for various batches of students according to the Choice Based Credit System. The laboratories are well utilized during the working hours as well as beyond working hours. The movement of the students are monitored through Surveillance Cameras to ensure safety and security. **Central Library:** The Central library is equipped with facilities and resources in the form of books, e-journals, e-books, audio video cassettes, journals, open web catalogues, Digital Library, etc. The Departments send their requirement during the beginning of each academic year and the library procures the same as per the norms of the Institution. The library is functioning with the support of dedicated staff comprising of a Chief Librarian, Deputy Chief Librarian and 4 Library Assistants. The Library is kept open from 8AM to 11PM from Monday to Friday and from 8AM to 5.30PM on Saturdays. Bar code system has been implemented for the issue of books to the students. The books are issued for a period of 15 days and can be extended for another 15 days upon request. Footfalls are tracked through biometric registration and students are motivated to use the library effectively to update their knowledge and hone their reading and analytical skills. **Sports complex:** The sports complex is maintained well with the support of sufficient ground markers. A budget is allocated for the maintenance of the facilities during each academic year. The indoor, outdoor and fitness centre are open to all students and the utilization of facilities are monitored. Part time qualified Coaches are available for major games to offer professional training to students. **Computer Technology centre:** Computer Technology Centre is maintained by a team of technicians under a Head (CTC) who attends to most of the services. Online tickets have to be raised for any service requirement which is attended within 2 days. Major Hardware faults are handled by appropriate vendors. 17 Computer laboratories are optimally utilized by the departments. In addition, the Centre is also booked for conducting Aptitude tests, Placement training and Software training beyond working hours.

<https://www.karunya.edu/iqac/reports>

CRITERION V – STUDENT SUPPORT AND PROGRESSION

5.1 – Student Support

5.1.1 – Scholarships and Financial Support

	Name/Title of the scheme	Number of students	Amount in Rupees
Financial Support from institution	Admission Merit Scholarship (2018 Batch) - ODD Sem	650	16670000
Financial Support from Other Sources			
a) National	Nil	Nil	Nil
b) International	Nil	Nil	Nil
View File			

5.1.2 – Number of capability enhancement and development schemes such as Soft skill development, Remedial coaching, Language lab, Bridge courses, Yoga, Meditation, Personal Counselling and Mentoring etc.,

Name of the capability	Date of implementation	Number of students	Agencies involved
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enhancement scheme		enrolled	
Language Assessment Certification	04/07/2018	348	Cambridge Assessment
View File			

5.1.3 – Students benefited by guidance for competitive examinations and career counselling offered by the institution during the year

Year	Name of the scheme	Number of benefited students for competitive examination	Number of benefited students by career counseling activities	Number of students who have passed in the comp. exam	Number of students placed
2018	NET Coaching	19	19	1	8
2018	GRE and IELTS Preparation	12	150	12	99
No file uploaded.					

5.1.4 – Institutional mechanism for transparency, timely redressal of student grievances, Prevention of sexual harassment and ragging cases during the year

Total grievances received	Number of grievances redressed	Avg. number of days for grievance redressal
Nil	Nil	1

5.2 – Student Progression

5.2.1 – Details of campus placement during the year

On campus			Off campus		
Name of organizations visited	Number of students participated	Number of students placed	Name of organizations visited	Number of students participated	Number of students placed
Accenture, Bangalore	540	136	Zoho Corp, Chennai	33	10
View File					

5.2.2 – Student progression to higher education in percentage during the year

Year	Number of students enrolling into higher education	Programme graduated from	Department graduated from	Name of institution joined	Name of programme admitted to
2019	1	B.Tech	Instrumentation Engineering	Biomedical Engineering, University of Technology Sydney	M.Tech
2019	1	B.Tech	Instrumentation Engineering	Engineering, Karunya Institute of	M.Tech

				Technology and Sciences	
2019	1	B.Tech	Instrmentation Engineering	University of New South Wales, Sydney	M.Tech
2019	1	B.Tech	Instrmentation Engineering	University of New Haven, USA	MS
2019	1	B.Tech	Instrmentation Engineering	JSS University, Mysuru	MS
2019	1	B.Tech	Instrmentation Engineering	Centennial College, Canada	MS
2019	1	B.Tech	Instrmentation Engineering	MBA, SRM, CHENNAI	MBA
2019	1	B.Tech	Instrmentation Engineering	Madras Institute of Technology, CHENNAI	M.Tech
2019	1	B.Tech	Civil Engineering	Karpagam University, Coimbatore	M.Tech
2019	1	B.Tech	Civil Engineering	KLE DR Sheshgiri College of Engineering and Technology, Belagavi.	ME
2019	1	B.Tech	Civil Engineering	University of West London, London	MS
2019	1	B.Tech	Civil Engineering	Federal Institute of Science and Technology, Kerala	MS
2019	1	B.Tech	Computer Science Engineering	MBA - Francis Xavier Engineering College	MBA
2019	1	B.Tech	Civil Engineering	Crescent Institute of Science And Technology, Chennai	MBA
2019	1	B.Tech	Computer	Government	ME

			Science Engineering	College of Technology, Coimbatore	
2019	1	B.Tech	Computer Science EngineeringComputer Science Engineering	PSG College of Technology, Coimbatore	ME
2019	1	B.Tech	Computer Science Engineering	Christ University, bangalore	ME
2019	1	B.Tech	Computer Science Engineering	Amirtha University, Coimbatore	ME
2019	8	B.Tech	Computer Science Engineering	Karunya Institute of Technoloy and Sciences, Coimbatore	M.Tech
2019	1	B.Tech	Computer Science Engineering	Bishop Heber College, Trichy	MASTERS
2019	1	B.Tech	Computer Science Engineering	GISMA BUSINESS School, Germany	MS
2019	1	B.Tech	Computer Science Engineering	Temple University, USA	MS
2019	1	B.Tech	Computer Science Engineering	Indus Business Academy - iba, bangalore	ME
2019	1	B.Tech	Computer Science Engineering	Vellore Institute of Technology, Chennai	M.Tech
2019	1	B.Tech	Computer Science Engineering	SRM University, Chennai	M.Tech
2019	1	B.Tech	Computer Science Engineering	Edith Cowan University Western Australia	MS
2019	1	B.Tech	Computer Science Engineering	North Carolina, US	MS
2019	1	B.Tech	Computer	Greenwich	MBA

			Science Engineering	International Business School, UK	
2019	1	B.Tech	Computer Science Engineering	James Cook University, Australia	MS
2019	1	B.Tech	Computer Science Engineering	Amrita University, Coimbatore	M.Tech
2019	1	B.Tech	Computer Science Engineering	University of Texas	MS
2019	1	B.Tech	Computer Science Engineering	Advanced computer science, Cardiss Metropolitan University, USA	MS
2019	1	B.Tech	Computer Science Engineering	SE College, Kerala	MBA
2019	1	B.Tech	Computer Science Engineering	Christu Jayanthi College, Bangalore	MBA
2019	1	B.Tech	Electronics and Communication Engineering	PSG College of Technology, Coimbatore, Coimbatore	M.Tech
2019	1	B.Tech	Electronics and Communication Engineering	VIT, Chennai	M.Tech
2019	1	B.Tech	Electronics and Communication Engineering	MIT, Chennai	M.Tech
2019	1	B.Tech	Electronics and Communication Engineering	Sri Eshwar college of Engineering	ME
2019	1	B.Tech	Electronics and Communication Engineering	GRG school of management studies	MBA
2019	1	B.Tech	Electronics	ICFAI Business	MBA

			and Communic ation Engineering	School, Hyderabad	
2019	1	B.Tech	Electronics and Communic ation Engineering	Loyola Institute of Business Adm inistration	MBA
2019	1	B.Tech	Electronics and Communic ation Engineering	JJ college of Engineering and Technology	ME
2019	1	B.Tech	Electronics and Communic ation Engineering	St. Joseph Institute of Management (Trichy)	MBA
2019	1	B.Tech	Electronics and Communic ation Engineering	Karunya Institute of Technology and Sciences (MBA)	MBA
2019	16	B.Tech	Electronics and Communic ation Engineering	Karunya Institute of Technology and Sciences, Coimbatore	M.Tech
2019	1	B.Tech	Electrical and Electronics Engineering	Newcastle University, UK	MS
2019	1	B.Tech	Electrical and Electronics Engineering	AALBORG University, Denmark	MS
2019	1	B.Tech	Electrical and Electronics Engineering	ICFAI Business School, Hyderabad	MBA
2019	1	B.Tech	Electrical and Electronics Engineering	Chemnitz University of Technology, Germany	MS
2019	1	B.Tech	Electrical and Electronics Engineering	Anna University Regional Centre, Madurai	ME
2019	1	B.Tech	Electrical and	Universitat	MS

			Electronics Engineering	Paderborn, Germany	
2019	1	B.Tech	Electrical and Electronics Engineering	Business and Hotel Management School, Switzerland M.Sc. Dual Degree Global Business Management	MASTERS
2018	1	B.Tech	Electrical and Electronics Engineering	Silesian University of technology, poland	MS
2019	1	B.Tech	Electrical and Electronics Engineering	IBS (ICFAI Business school), Bangalore	ME
2019	1	B.Tech	Electrical and Electronics Engineering	"Nachiappa Institute of Cooperative Management Salem, Tamilnadu."	ME
2019	2	B.Tech	Electrical and Electronics Engineering	Karunya Institute of Technology and Sciences, Coimbatore	M.Tech
2019	1	B.Tech	Food Processing and Techonology	Kongu Engineering College, Perunthurai, Tamil Nadu	ME
2019	1	B.Tech	Food Processing and Techonology	Indian Institute of Plantation Management, Bangalore, Karnataka	MBA
2019	1	B.Tech	Food Processing and Techonology	Tamil Nadu Vetenary and Animal Sciences University (TANUVAS), Chennai, Tamil Nadu	MASTERS
2019	1	B.Tech	Food Processing	B.S. Abdul Raghman	MBA

			and Techonology	Crescent Institute of Science and Technology, Vandalur Tamil Nadu	
2019	1	B.Tech	Food Processing and Techonology	SRM Institute of Science and Technology, Chennai, Tamil Nadu	M.Tech
2019	1	B.Tech	Food Processing and Techonology	PSG Institue of Management, Coimbatore, Tamil Nadu	MBA
2019	3	B.Tech	Food Processing and Techonology	Karunya Institute of Technology and Sciences, Coimbatore, Tamil Nadu	M.Tech
2019	1	B.Tech	Mechanical Engineering	Purdue University, US	MS
2019	1	B.Tech	Mechanical Engineering	Manipal University, Karnataka	M.Tech
2019	1	B.Tech	Mechanical Engineering	Nottingham Trent University, UK	MS
2019	1	B.Tech	Mechanical Engineering	Arizona State University, US	MS
2019	1	B.Tech	Mechanical Engineering	Dr MGR Educational and Research Institute, Chennai	M.Tech
2019	2	B.Tech	Mechanical Engineering	PSG College of Technology, CBE	ME
2019	1	B.Tech	Mechanical Engineering	Thiagarajar School of Management, Madurai	MBA
2019	1	B.Tech	Mechanical	College of	ME

			Engineering	Engg, Trivandrum	
2019	1	B.Tech	Mechanical Engineering	Cranfield University, UK	MS
2019	1	B.Tech	Mechanical Engineering	PRESIDENCY COLLEGE, Bangalore	ME
2019	2	B.Tech	Mechanical Engineering	KCT, Coimbatore	ME
2019	1	B.Tech	Mechanical Engineering	Universita Degli Studi Di Roma "Tor Vergata"	MS
2019	1	B.Tech	Mechanical Engineering	Jansons School of Business, CBE	MBA
2019	1	B.Tech	Mechanical Engineering	University of South Florida	MS
2019	1	B.Tech	Mechanical Engineering	Cranfield University, UK	MS
2019	1	B.Tech	Mechanical Engineering	German Institute of Science and Technology, Singapore	MS
2019	1	B.Tech	Mechanical Engineering	University of Glasgow, Scotland, UK	MS
2018	1	B.Tech	Mechanical Engineering	Centennial College Designated Learning Institution, Canada	MS
2019	1	B.Tech	Mechanical Engineering	Sarada College, Vijayawada	ME
2019	1	B.Tech	Electronics Media and Techonology	St. Xavier's, Kolkata	ME
2019	1	B.Tech	Electronics Media and Techonology	University of london, UK	MS
2019	1	B.Tech	Electronics Media and	George Mason University,	MS

			Techonology	Fairfax VA, United States of America	
2019	1	B.Tech	Electronics Media and Techonology	Karunya Institute of Technology and Sciences, CBE	M.Tech
2019	1	M.Tech	Electrical and Electronics Engineering	Karunya Institute of Technology and Sciences PhD	Ph.D
2019	1	M.Tech	Mechanical Engineering	VIT, Vellore	Ph.D
2019	1	M.Tech	Computer Science Engineering	Karunya Institute of Technology and Sciences PhD	Ph.D
2019	1	B.Tech	Biotechnol ogy	Biotechnol ogy	MBA
2019	1	B.Tech	Electronics and Communic ation Engineering	SSN, Chennai	M.Tech
2019	2	B.Tech	Aerospace Engineering	Crankfield university, UK	MS
2019	1	B.Tech	Aerospace Engineering	University of Dayton, USA	MS
2019	2	B.Tech	Aerospace Engineering	University of Southampton, UK	MS
2019	2	B.Tech	Aerospace Engineering	Sapienza universita di Roma, Italy	MS
2019	1	B.Tech	Aerospace Engineering	Hindustan Institute of Technology and Sciences. Chennai	M.Tech
2019	2	B.Tech	Aerospace Engineering	Atlantic aviation Group, Ireland	MS

2019	1	B.Tech	Aerospace Engineering	University of Sheffield, UK	MS
2019	2	B.Tech	Aerospace Engineering	RMIT, Australia	MS
2019	1	B.Tech	Aerospace Engineering	DR MGR Educational and Research Institute	ME
2019	1	B.Tech	Aerospace Engineering	Centralelille	MS
2019	1	B.Tech	Instrumentation Engineering	Karunya Institute of Technology and Sciences	M.Tech
2019	2	B.Tech	Biotechnology	Biotech Kalasalingam Academy of Research and Education, Chennai	M.Tech
2019	10	B.Tech	Biotechnology	KITS, CBE	M.Tech
2019	1	B.Tech	Biotechnology	Biotechnology, National Dong Hwa University, Taiwan	M.Tech
2019	1	B.Tech	Biotechnology	Molecular Genetics - Auckland University of Technology (AUT) New Zealand	MS
2019	1	B.Tech	Biotechnology	Krishna College of Technology, Coimbatore	ME
2019	1	B.Tech	Biotechnology	Biotech Sahridaya College of Engineering and Technology, Thrissur	MS
2019	1	B.Tech	Biotechnology	SRM Institute of Science and Technology	M.Tech

2019	1	B.Tech	Biotechnol ogy	Anna University, Chennai	ME
2019	3	B.Tech	Civil Engineering	NICMAR, Pune	M.Tech
2019	4	B.Tech	Civil Engineering	Karunya Institute of Technology and Sciences, Coimbatore	M.Tech
2019	2	B.Tech	Civil Engineering	RICS, Amity University	M.Tech
2019	1	B.Tech	Civil Engineering	Kumaraguru College of Technology, Coimbatore, Anna University	M.Tech
2019	1	B.Tech	Civil Engineering	Kumaraguru College of Technology, Coimbatore, Anna University	M.Tech
2019	1	B.Tech	Civil Engineering	Deakin University, Australia	MS
2019	1	B.Tech	Aerospace Engineering	Sapienza Universita Di Roma	MS
2019	1	B.Tech	Aerospace Engineering	Frankfinn Institute of Vacational Training	MASTERS
2019	1	B.Tech	Aerospace Engineering	Arizona State University, USA	MS
2019	1	B.Tech	Instrmenta tion Engineering	University of New South Wales, Sydney	MS
2019	1	B.Tech	Instrmenta tion Engineering	SRM, CHENNAI	M.Tech
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5.2.3 – Students qualifying in state/ national/ international level examinations during the year
(eg:NET/SET/SLET/GATE/GMAT/CAT/GRE/TOFEL/Civil Services/State Government Services)

Items	Number of students selected/ qualifying
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GRE	11
Any Other	31
TOFEL	8
GATE	6
CAT	1
Civil Services	2
No file uploaded.	

5.2.4 – Sports and cultural activities / competitions organised at the institution level during the year

Activity	Level	Number of Participants
Sports	South India Level	3000
No file uploaded.		

5.3 – Student Participation and Activities

5.3.1 – Number of awards/medals for outstanding performance in sports/cultural activities at national/international level (award for a team event should be counted as one)

Year	Name of the award/medal	National/ Internaional	Number of awards for Sports	Number of awards for Cultural	Student ID number	Name of the student
2018	Winners	Internat ional	1	Nil	URK18BCA 025	DESIREDY SRAVANI
No file uploaded.						

5.3.2 – Activity of Student Council & representation of students on academic & administrative bodies/committees of the institution (maximum 500 words)

Karunya Institute of Technology and Sciences has various systems of student representation in academic and administrative bodies/committees as given below:

Academic Affairs: Class Representatives – From every class of 60 students, six students are selected to represent the respective class in Class Committee meetings to offer feedback and suggestions for achieving the expected outcome in all facets of the department. The meetings are conducted thrice every semester with the class representatives. The students share their ideas, interests, concerns regarding their classes, laboratories, faculty members, mentors and other welfare measures with the Heads of the Departments for necessary decision and action. The minutes of the class committee meetings are discussed in the faculty meetings to take appropriate corrective measures and ensure smooth functioning of the department. Matters pertaining to the University administration are presented by the Heads at the meeting with the Deans who represent the matter at the Executive Committee meeting chaired by the Vice-Chancellor. Other Representations: The student representatives are also inducted in Curriculum Development Cell (CDC), Board of Studies (BoS), Planning and Monitoring Board, Anti-Ragging Cell, Grievance Redressal Cell, SC/ST Cell and Internal Quality Assurance Cell. These students give feedback/suggestions on the quality and relevance of curriculum, learning practices, teaching methodology, examination evaluation, placement training and career counseling for higher studies, gender discrimination issues (if any) and matters pertaining to infrastructure. Residences: KITS being a residential Institution, all the students of the university reside on campus. Staying away from home and living on the campus premises, creates a unique and exciting learning experience as it enables peer learning beyond working hours, promotes mutual bonding for healthy living and learning together, provides emotional

support and a sense of camaraderie among fellow students thus making residential life extraordinary and remarkable. In KITS efforts have been taken to provide a wide range of facilities for every student as the campus is a home away from home. The University has nine residences for men and five for Women to comfortably accommodate 8000 students. Hostel Welfare and Grievance Redressal Committee: Two students from each floor of the residential halls are invited to represent the residents in the committee. The opinion of the students on the maintenance of infrastructure, amenities, upkeep of rooms, recreational facilities and other grievances are discussed and addressed in the best interest of the students. Mess Committee: KITS has students representing all the states of India and hence regional menu is provided according to their choice. Students interested in the functioning of mess and monitoring food services are nominated as representatives. Three mess committee meetings are conducted for each regional menu every semester. These representatives communicate the feedback obtained from fellow residents to the mess administration periodically to ensure quality in food and effectiveness in service. Sports and Cultural Activities: Student representatives are also nominated for Sports and Extracurricular activities to address issues pertaining to the norms for participation in sports and cultural activities and the required facilities.

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

Yes

Karunya Institute of Technology and Sciences has two registered alumni associations KIAA Karunya International Alumni Association of America KAAI Karunya Alumni Association of India The very first Karunya International Alumni Association was inaugurated in the Jesus Calls Office, Dallas USA on 25th April 2015 by Dr. Paul Dhinakaran Chancellor, Karunya University with a group of Alumnus. 30 Karunyans along with their families participated in this historic event. Executive members and Board of Directors for Karunya International Alumni Association were appointed during this meeting. The University has a dedicated Alumni Association to network with the alumni across decades. Alumni are represented in the Board of Studies and their expertise is utilized for department seminars, workshops, guest lectures, career counseling, placement training, placement, curriculum reformation, research and admission into foreign universities.

5.4.2 – No. of registered Alumni:

15700

5.4.3 – Alumni contribution during the year (in Rupees) :

150000

5.4.4 – Meetings/activities organized by Alumni Association :

Karunya Institute of Technology and Sciences have two major Alumni Association namely the Karunya International Alumni Association (KIAA) and KAAI (Karunya Alumni Association of India). The University has a dedicated Alumni Association to network with the alumni across decades. Alumni are represented in the Board of Studies for Curriculum reformation and Research (BOS) and their expertise is utilized for department seminars, workshops, guest lectures, career counseling, placement training and placement. There were 7 meetings held all over the world which are as given below: 1. Silver Jubilee Meet of 1989 batch was held on 21.7.2018 for which 65 Alumni from across departments participated. 2. Alumni meet in Dubai was held on 5.10.2018. A large number of Alumni - 99 of them with their families met the Honorable Chancellor and the Registrar of KITS. 3.

Alumni meet at Hyderabad was held on 20.10.2018 in which 27 Alumni with their families had a nostalgic get-together with the Honorable Chancellor of KITS. 4. Alumni Day was held at KITS Campus on 27.10.2018. 62 Alumni responded to our invitation and had a vibrant interaction with the staff and students of their departments. 5. Alumni meet at Dubai, UAE was held on 7.12.2018. 34 Alumni participated. 6. Alumni meet at Doha was organized on 21.2.2019, for which 25 Alumni gathered for an emotional reunion. 7. Alumni meet at Kuwait was scheduled on 4.5.2019. 44 Alumni including the students of the 1st batch (1986) attended. All the meetings strengthened the bond between the Alumni and the Alma mater.

CRITERION VI – GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 – Institutional Vision and Leadership

6.1.1 – Mention two practices of decentralization and participative management during the last year (maximum 500 words)

As KITS grew in size in terms of students, staff strength, implementation of CBCS, academic administration, resource management and sharing, Decentralization was introduced. It ensures delegation of authority, responsibility, accountability among different levels of the organizational hierarchy. As part of Administrative Decentralisation, every School / Department shall present to the KITS Administrative Body a 5-year plan for their entity. Area of growth is identified and investment is made only in that area. On approval, the School / Departments moves forward to achieve the milestone set for them. Periodical reviews are conducted on key areas such as Teaching-Learning Process, Administration, Finance Management and Revenue Generation. Broad areas of review are: ? Faculty – strength, expertise, training and performance ? Student – strength for each course offered by the School or Department monitoring of students' performance ? Infrastructure – level of infrastructure provided for the course content, augmentation required ? Research amp Development – Publications, product development, placement, Industry – Institute Interaction, Consultancy and Research ? Funding – External funding and status of projects and ? Accreditation – Accreditation of courses and University with Government Bodies. The fruits of administrative decentralisation are: ? Better communication and human relationships are promoted ? Clear demarcation of duties and boundaries ? Schools / Departments / Offices can be innovative and creative in their working style other Offices can also adopt the same style of functioning and Skillset of staff improved with enhanced administrative authority with responsibility.

6.1.2 – Does the institution have a Management Information System (MIS)?

Yes

6.2 – Strategy Development and Deployment

6.2.1 – Quality improvement strategies adopted by the institution for each of the following (with in 100 words each):

Strategy Type	Details
Teaching and Learning	Outcome based education is in practice. Course outcomes, program outcomes and Program specific outcomes are being measured. Students feedback on teaching learning is obtained , analysed and training programs are organized by KCDC
Examination and Evaluation	Question Paper Auditing, Answer paper scrutiny, 20 of the answer scripts evaluation by using External Experts.

Curriculum Development	Outcome based education is in practice. Course outcomes, program outcomes and Program specific outcomes are being measured. Students feedback on teaching learning is obtained , analysed and training programs are organized by KCDC
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6.2.2 – Implementation of e-governance in areas of operations:

E-governance area	Details
Student Admission and Support	Admission Portal showing the Expression of Interest (EoI) from the candidates looking for admissions, Processing the applications, Online approval of Admissions, Online payment of fee, Reports, Online registration of courses, Reviewing the status of attendance, fee dues etc.
Finance and Accounts	Fee payment, Budget operations, online approvals, generation of reports as required by accreditation and Ranking agencies etc
Examination	Registration of courses for the examination, Downloading hall tickets, Results, Appliation for Revaluation etc

6.3 – Faculty Empowerment Strategies

6.3.1 – Teachers provided with financial support to attend conferences / workshops and towards membership fee of professional bodies during the year

Year	Name of Teacher	Name of conference/ workshop attended for which financial support provided	Name of the professional body for which membership fee is provided	Amount of support
2018	Dr. Jims John Wesley	Indo-Israel Space-Tech Leadership Programme	Karunya Institute of Technology and Sciences	175000
View File				

6.3.2 – Number of professional development / administrative training programmes organized by the University for teaching and non teaching staff during the year

Year	Title of the professional development programme organised for teaching staff	Title of the administrative training programme organised for non-teaching staff	From date	To Date	Number of participants (Teaching staff)	Number of participants (non-teaching staff)
2019	Staff Retreat	Staff Retreat	03/01/2019	04/01/2019	428	200
View File						

6.3.3 – No. of teachers attending professional development programmes, viz., Orientation Programme, Refresher Course, Short Term Course, Faculty Development Programmes during the year

Title of the professional development programme	Number of teachers who attended	From Date	To date	Duration
Control system Engineering theory and lab with Matlab/Simulink	1	18/12/2018	21/12/2019	4
View File				

6.3.4 – Faculty and Staff recruitment (no. for permanent recruitment):

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
428	428	180	180

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
Staff Benevolent Fund	Staff Benevolent Fund	Dr.D.G.S Dhinakaran scholarship

6.4 – Financial Management and Resource Mobilization

6.4.1 – Institution conducts internal and external financial audits regularly (with in 100 words each)

KITS conducts both internal and external audits regularly each financial year. Our External Auditor is M/s. CV Ramaswamy Co, a firm of Chartered Accountants from Chennai, Tamil Nadu and it is leading Chartered Accountancy Firm rendering comprehensive professional services which includes Audit, Management Consultancy, Tax Consultancy, Accounting Services, man power management and Secretarial services etc., They are based in Chennai in the address is No:2 Vidvan Sundaram Street, Nungambakkam, It is a very leading audit firm in Chennai and they are our Statutory Auditor since 1986. KITS also used an External Internal audit firm M/s. A.R.Jagannathan Co, Chartered Accountants for the internal audit during the year 2018-19. This firm is from Coimbatore.

6.4.2 – Funds / Grants received from management, non-government bodies, individuals, philanthropies during the year(not covered in Criterion III)

Name of the non government funding agencies /individuals	Funds/ Grnats received in Rs.	Purpose
No Data Entered/Not Applicable !!!		
No file uploaded.		

6.4.3 – Total corpus fund generated

259300000

6.5 – Internal Quality Assurance System

6.5.1 – Whether Academic and Administrative Audit (AAA) has been done?

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	Yes	External Experts from	Yes	Director - Quality

		various institutions		Assurance and Accreditation
Administrative	No	Nil	Yes	Registrar

6.5.2 – What efforts are made by the University to promote autonomy in the affiliated/constituent colleges? (if applicable)

Nil

6.5.3 – Activities and support from the Parent – Teacher Association (at least three)

1. Feedback on curriculum and overall functioning of the department 2. Feedback related to Vision, Mission, PEOs, Teaching and learning and Mentoring are collected periodically from parents during each academic year 3. Facilitate linkages with industries for placement
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6.5.4 – Development programmes for support staff (at least three)

1. Staff Retreat for all to contemplate their purpose and motives, and work on one or more specific goals on 3rd Jan 2018 2. Training on Microsoft Office Suite 3. Technical Training

6.5.5 – Post Accreditation initiative(s) (mention at least three)

1. Student Satisfaction Survey 2. Faculty Competency Analysis 3. Monitoring Outcome-Based Education

6.5.6 – Internal Quality Assurance System Details

a) Submission of Data for AISHE portal	Yes
b) Participation in NIRF	Yes
c) ISO certification	Yes
d) NBA or any other quality audit	Yes

6.5.7 – Number of Quality Initiatives undertaken during the year

Year	Name of quality initiative by IQAC	Date of conducting IQAC	Duration From	Duration To	Number of participants
No Data Entered/Not Applicable !!!					
View File					

CRITERION VII – INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 – Institutional Values and Social Responsibilities

7.1.1 – Gender Equity (Number of gender equity promotion programmes organized by the institution during the year)

Title of the programme	Period from	Period To	Number of Participants	
			Female	Male
Free Breast Cancer Screening Camp	01/07/2018	01/07/2018	125	Nil

7.1.2 – Environmental Consciousness and Sustainability/Alternate Energy initiatives such as:

Percentage of power requirement of the University met by the renewable energy sources
Percentage of power requirement of the University met by the renewable energy sources Renewable Energy: The percentage of Power requirement of the University met by the Renewable energy sources is about 5. 95kW grid tied solar power

plant on the roof top of Administrative Building generates approximately 1,44,000 units leading to saving of Rs.11,20,000 per year. 25 Solar water heaters of a capacity of 3500 litres in Hostel buildings leading to a saving of Rs. 9,61,000 year. 160 numbers of LED Street lights in the campus, saving of Rs. 1,07,000 per year. Conversion of existing lights into LED tube lights leads to save Rs.9,00,000 per year.

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Physical facilities	Yes	Nil
Provision for lift	Yes	Nil

7.1.4 – Inclusion and Situatedness

Year	Number of initiatives to address locational advantages and disadvantages	Number of initiatives taken to engage with and contribute to local community	Date	Duration	Name of initiative	Issues addressed	Number of participating students and staff
2018	2	2	01/07/2018	1	Awareness on cancer	100 people attended	7
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7.1.5 – Human Values and Professional Ethics Code of conduct (handbooks) for various stakeholders

Title	Date of publication	Follow up(max 100 words)
Students Hand Book	02/07/2018	Human Values and Professional Ethics Code of Conduct are communicated through Students Hand Book which are followed up by the Mentors, HoDs, Deans, Director (Student Affairs) and the Pro-Vice Chancellor - Quality Standards
HR Policy for Staff	02/07/2018	The HR policy is updated and communicated to the staff members each academic year. The faculty and Staff members are being oriented in the Staff Orientation Programs Karunya Competency Development Centre (KCDC) which are followed up by the HoDs, Deans, Registrar, Pro Vice Chancellors and Vice Chancellor. The HR Committee coordinates these activities.

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
Staff Orientation Program	25/06/2018	26/06/2018	625
Staff Refresher Program	03/01/2019	03/01/2019	628
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7.1.7 – Initiatives taken by the institution to make the campus eco-friendly (at least five)

Herbal Garden is maintained by the students and faculty members of the department Swachh Bharat activity in Perianaikkam palayam, conducted by NSS Reduced paper works and communications through mail Circulars through social media Development and screening the plant growth-promoting efficacy

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

Best Practice 1: Innovations in Teaching, Learning and Assessment “If we teach today’s students as we taught yesterday’s, we rob them of tomorrow” Modernism in Instructional practices: In our effort to strengthen teaching learning process, there has been a paradigm shift from teacher centered to student centered classrooms in which teachers act as Guide on the side and not Sage on the Stage. The University has a well-structured Teaching plan format with the following components: Course Outcome: The teaching plan for every course outlines the course outcomes reminding the faculty about the expected outcomes to be attained at the end of the semester. Detailed Teaching Method: A comprehensive teaching plan listing the teaching methods to be adopted is given by the faculty along with book references. Faculty members are trained and encouraged to follow interactive and students-oriented methods of teaching such as Jigsaw method, Gallery walk, Flipped classrooms, Project based learning, Design thinking, Gamification, Problem based learning and so on. All the classrooms of our institute are equipped with ICT facilities to enable faculty members to employ various tools in teaching. Concept Mapping A concept map is a method used to visually arrange information. It is hierarchical and shows relationships among different units of the whole. It is often created around a single concept and the ideas generated are connected directly to the central concept. All courses are represented using a single concept map to understand the correlation between different modules of the Course. It also gives a ‘drone view’ of the Course to both faculty and students. Course Articulation Matrix As the university’s emphasis is on Outcome-Based Education (OBE), this component has been included in every teaching plan. It is a detailed matrix that gives the relationship between the course outcomes of the course with the department Program Outcomes (PO) and Program Specific Outcomes (PSO). The tables have four types of correlation for mapping the course to the PO’s and PSO’s. They include 3 for high correlation, 2 for medium correlation, 1 for low correlation and ‘0’ for no correlation. This matrix helps course teachers to understand the objective of the Course in achieving the overall PO and PSO of the department.

Assessment pattern This is an important component that gives the revised Bloom’s level of assessment followed for every Course in Internal Assessments, Qualitative Assessments and for End-semester examination. The Courses taught in lower semesters will have their assessment level a little low but the subjects taught in the higher semesters should be assessed with the higher-order thinking level of the students. The teaching plan is vetted in three levels before it is approved and shared with the students. Level 1: Vetting by subject experts within the Department Level 2: Vetting by IQAC Level 3: Vetting by Academic and Industry experts from renowned and national level institutes. Best

Practice 2: Karunya Megaplay With every passing day of the year there is an anticipated event that Karunyans long for the most. It is an event that brings students from across the university to work together and bring out the best of talents onto one stage. This is the Annual Thanksgiving Program which takes places at the end of every year in December. So, what happens in the Megaplay? Well to sum it up, it's the time where hidden talents get revealed. Students who desire to showcase their talents in acting, music, singing, coordinating, and volunteering use this opportunity. This Megaevent involves meticulous planning which is systematically carried out. Nearly two weeks before the event, practices emerge around the campus with students displaying their assiduous qualities and demonstrating their dedication in perfecting the performances. Practices start from 9am and extend beyond 7pm, few groups even practice round the clock. A large number of students pitch in to participate and help organize the event. Many of them assume various roles such as coordinators, script writers, directors, choir master, musicians, and volunteers. The coordinators of stage, acting, backdrop, script writing synchronise with each other to put together this extraordinary event. Music is an epoch-making event in the Megaplay. Generally, more than 100 talented choristers lend their voices. Since Karunya is home to students from across the country, the event never falls short of creating a multicultural ambience. The choir mellifluously performs Tamil, Telugu, Hindi, Malayalam, and English songs. The play which revolves around a theme every year includes vibrant dances, soulful music and powerful performances by the cast drawn from various disciplines. With top notch sound equipment made available for the event and a team of sound engineers graphics experts working together, one witnesses a breathtaking audio and visual show. The Chancellor of the University Dr. Paul Dhinakaran is the guest of honour at the event. He shares a brief message encouraging the organizers, cast crew, recognizing the team for their laborious efforts and commitment in making this signature event of the University a grand success. The staggering performances of the students and the captivating carol 'Silent Night', instill the spirit of festivity in the season of advent and prepares one and all for a blessed New Year.

Upload details of two best practices successfully implemented by the institution as per NAAC format in your institution website, provide the link

<https://www.karunya.edu/iqac/reports>

7.3 – Institutional Distinctiveness

7.3.1 – Provide the details of the performance of the institution in one area distinctive to its vision, priority and thrust in not more than 500 words

WATER – THE FOCAL AREA OF SOCIETAL IMPORTANCE AT KITS Karunya means 'compassion' and the founders of KITS had a vision to build an institution of higher education to address the livelihood issues of the society. Water was one such focal area identified along with food, healthcare and sustainable energy. Considering the importance of water management at the national and global levels, Karunya established a Water Institute in 2008 to address the academic, research, consultancy and extension activities in the area of water, especially with reference to the semi-arid zone. The Water Institute introduced an M. Tech. Program in Integrated Water Resources Management, the scope of which was expanded to include environmental and water resources engineering. The Institute also offers Ph.D. Programs and a few of the past scholars are pursuing PDF in reputed institutions abroad and are serving as Scientists in RD institutions. Around 60 students completed M.Tech and 10 scholars have been awarded PhD. Some of the topics of National relevance taken up being: Impact of hydropower stations on downstream environmental flows Land use change as an indicator of hydrologic characteristics in river basins Reservoir operation policy for Parambikulam-Aliyar Project Models to develop agricultural hubs in

India Impact of climate change on groundwater conditions in the Cauvery delta
Application of isotopes in groundwater recharge investigations Electrochemical
techniques for water treatment and hydro-dynamics of Point Calimere wetland.

During the past 5 years, 42 papers were published in Scopus/Web of Science
indexed journals and six patents were filed and published in the area of water,
one in collaboration with an Israeli university. Consultancy assignments of
more than Rs. 1 crore were taken up for GoI, JICA and WISA. During the period,
7 major research projects were funded by DST, CWRDM and MoEF, of which 5 have
been completed. Currently, a consultancy assignment of Rs. 42 lakh on Point
Calimere wetland is being carried out for GIZ, Germany. A state-of-the-art
electrochemical laboratory for water treatment was established in KITS campus
with expertise from Prof. Yoram Oren of Zuckerberg Institute of Ben-Gurion
University, Israel. A student of Karunya is now a Post-Doctoral Fellow at the
Water Institute of Technion, Israel. The recently launched BSc (Hons)
Agriculture Program has opened several avenues for research in irrigation and
agricultural water management. Karunya has entered into MoUs with the
Agriculture Research Organization of the Government of Israel, Ben-Gurion
Desert Research Institute and the Hebrew University of Israel. Also, MoUs for
water research has been signed with RWTH, Aachen, Milwaukee University and NIH
(GoI), Roorkee. The Water Institute was represented in various capacities in
Wetlands Regulatory Authority of GoI, Research Committee of CWC ICID, Dam
Safety Authority of Government of Kerala and Research Council of CWRDM. KITS
was actively involved in relief operations related to natural hazards caused by
water - Kerala Floods and cyclones of Tamil Nadu. As part of the community
service and social commitment initiatives, the University has installed several
sanitation facilities and rainwater harvesting structures in the neighbouring
villages.

Provide the weblink of the institution

<https://www.karunya.edu/iqac/reports>

8.Future Plans of Actions for Next Academic Year

Future Plans of action 1. The entire faculty to form part of four major centers
dealing with water, food, healthcare and energy in line with the vision of the
university 2. Interdisciplinary research, papers, patents, community activities
and field works to be enhanced 3. Instead of Department level research
committees, centrewise committees to be considered 4. Partners in each thrust
area to be roped in from India and abroad 5. Equal weight age to be given to
teaching, research, consultancy and field activities 6. Separate tenure track and
practice/clinical track faculty to be introduced 7. Free access to all learning
and research resources 8. Identification of department level leaders for
research, academics, consultancy, training, collaborations, digital marketing 9.
Consisting mission groups 10. Action research, lab to field transfer