



## Yearly Status Report - 2017-2018

### Part A

#### Data of the Institution

<b>1. Name of the Institution</b>		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 Nagar, Coimbatore, Tamil Nadu 641114
City/Town		Coimbatore
State/UT		Tamil Nadu
Pincode		641114

<b>2. Institutional Status</b>																									
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																								
<b>3. Website Address</b>																									
Web-link of the AQAR: (Previous Academic Year)	<a href="https://www.karunya.edu/igac/aqar">https://www.karunya.edu/igac/aqar</a>																								
<b>4. Whether Academic Calendar prepared during the year</b>	Yes																								
if yes,whether it is uploaded in the institutional website: Weblink :	<a href="https://www.karunya.edu/academiccalendar">https://www.karunya.edu/academiccalendar</a>																								
<b>5. Accrediation Details</b>																									
<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>2.91</td> <td>2016</td> <td>25-May-2016</td> <td>24-May-2021</td> </tr> <tr> <td>1</td> <td>B</td> <td>2.70</td> <td>2014</td> <td>24-Sep-2014</td> <td>23-Sep-2019</td> </tr> </tbody> </table>						Cycle	Grade	CGPA	Year of Accrediation	Validity		Period From	Period To	1	B	2.91	2016	25-May-2016	24-May-2021	1	B	2.70	2014	24-Sep-2014	23-Sep-2019
Cycle	Grade	CGPA	Year of Accrediation	Validity																					
				Period From	Period To																				
1	B	2.91	2016	25-May-2016	24-May-2021																				
1	B	2.70	2014	24-Sep-2014	23-Sep-2019																				
<b>6. Date of Establishment of IQAC</b>	01-May-2004																								
<b>7. Internal Quality Assurance System</b>																									
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																					

Academic Course File Audit	10-Aug-2018 7	414
NIRF	08-Dec-2017 1	957
Research Audit	10-May-2018 5	515
Academic Course File Audit	27-Feb-2018 7	414
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**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)	2017 365	241907
<a href="#">View File</a>				

**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)**

1. Academic course file audit odd and even semester 2017 18

2. Participation in NIRF 2018

3. Participation in QS Star Rating

4. Preparation and submission of NBA compliance report for further accreditation of B.Tech Civil and Mechanical Engineering Programs

5. Faculty development program based on feedback analysis

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**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 implement faculty training programs	Effectively implemented during the month of May and June
Roadmap for the growth of the University in terms of publications, funded projects and consultancy activities	Policies have been enforced giving a specific target in those areas for each department
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**14. Whether AQAR was placed before statutory body ?**

Yes

Name of Statutory Body	Meeting Date
Academic Council	22-May-2018

**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

2018

Date of Submission

01-Jan-2018

**17. Does the Institution have Management Information System ?**

Yes

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

Eduserve and ERP of KITS manages all academic and administrative matters of its stakeholders. Modules are for e.g., Exam time table facility, online fee payment portal, attendance report, IA report, Leave application portal, subject registration, HR, MIS, Academic and student reports, support etc. There are seven major modules which has the

provisions as listed below: HR Module: This contains Faculty Leave details, Last 10 in/out punches, Salary details (last pay slip details), Review of the applications submitted by external candidates online through HR portal (Provision given for the HoDs), Biometric status, Leave Process (apply leave, approve leave (by HoDs), cancel leave (by HoDs) and Leave reports, HR process for Annual Increment, reports such as salary slips, form 16 and componentwise salary details. Students Module: Personal information, Academics (subject registration, Attendance, Internal assessment Marks, Time table, Download hall ticket, Internal exam time table, subject registration status), Fees (Download receipts, Overall Fee statement), Hostel, Leave applications (Personal leave, Medical leave, Hostel leave, apply for OD), Request for Bonafide certificate, Hostel room selection, Exam Results (Semester results details), Non Academics (Nonacademic Club registration) Academics Module: Masters Academic term report, Subject Registration, CBCS, Attendance (Enter Attendance, Change Attendance, Delete Attendance, Request students OD, Mark OD attendance, Approve Students OD), Attendance Reports (OD Status, Class Name list, Mentor student name list, subject registration report, students attendance report, class attendance report, staffstudent hourly report, faculty class handled report), Blue book reports (Teaching Plan report, Teaching Plan completion report, Students subject attendance reports, Detailed IA marks, Blue book topics, Lecture topics taken), Internal Assessment (Registration and Marks, Process IA Marks, Internal Marks report), Mentors (Mentee attendance reports, Mentee details, Approve Mentee ODs, ML and Leave, Parents contact information, Subject registered, Internal marks, Students feedback status, MentorMentee Meeting data, Mentee time table, Fees dues) and Reports for Faculty (Internal exam time table, Internal exam invigilation), API (Overview, Status view, Journal/conference approval, Projects, Patents, Placement, Lab testing, Projects incubator, achievements,

students participation), API report. Exam Module: Students time table, Internals and End semester result processing MIS Module: Student information (Class attendance, Leaves, Fees due list), Department MIS (Students out of rolls, Unmarked attendance by faculty and Students feedback on faculty), IQAC (Overall course feedback by students, student wise feedback on courses, feedback process, staff classed handled menu, Hourly feedback status, feedback configuration report. Fee Module: Fee Receipts for the payment made online by the students Support Module: Tickets for network service and Demo videos of the software Transport Module: Transport request, Transport approval, Transport Cancellation and Transport usage details. The Parents can see the hourly attendance, internal marks, semester results and grades, mentor details and fee dues. This portal is effectively managed and utilized by the Administrators, Faculty Members, 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	1-3672511777	Fundamentals of Computing Programming 17CS1001	03/07/2017
BTech	1-3672511777	Fundamentals of Computing & Programming Lab 17CS1002	03/07/2017

[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	B.Tech. Mechanical Engineering	03/07/2017	Fundamentals of Computing & Programming 17CS1001	03/07/2018
BTech	B.Tech. Mechanical	03/07/2017	Fundamentals of Computing &	03/07/2017

Engineering

Programming Lab  
17CS1002[View File](#)**1.2 – Academic Flexibility**

## 1.2.1 – New programmes/courses introduced during the Academic year

Programme/Course	Programme Specialization	Dates of Introduction
BSc	Information Security & Digital Forensics	06/07/2017
BSc	Information Technology	06/07/2017
BA	English	06/07/2017
BCA	Null	06/07/2017
BBA	Null	06/07/2017
BSc	Horticulture	06/07/2017
Mtech	Geo technical Engineering	06/07/2017
BSc(Agriculture)	Agriculture	06/07/2017
BA	Criminology	06/07/2017

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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,	03/07/2017
Mtech	Advanced Manufacturing Technology, Aerospace Engineering,Biotechnology, Biomedical Instrumentation	03/07/2017
Mtech	Communication Systems, Computer Science and Engineering, Cyber Security, Embedded Systems, Engineering Design	03/07/2017
Mtech	Environment and Water Resources Engineering, Food Processing Technology, Geotechnical Engineering, Renewable Energy	03/07/2017
Mtech	Thermal Engineering, VLSI Design, Structural Engineering	03/07/2017

**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
CHCP Training on Halal Standards	05/03/2018	29
BEC	01/07/2017	574
HVAC	19/03/2018	17
Associate Android Developer Certification	01/07/2017	7
Certified Ethical Hacking	01/07/2017	8
REVIT ARCHITECTURE	23/08/2017	23
PRIMAVERA	04/10/2017	13
<a href="#">View File</a>		

### 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	Civil Engineering	23
BTech	Electrical and Electronics Engineering	17
BTech	Aerospace	4
MSc	Nanoscience	6
BTech	Biotechnology	33
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## 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
<p>Class committee meetings are conducted once in a fortnights in which the students give feedback relating to classes, hostel and all other issues. Students also gave their feedback through suggestion box which is affixed in the department wall. At the end of the semester student feedback is obtained from every student. The final feedback report is analysed corrective measures to improve the curriculum, teaching, facilities etc., based on the feedback. Faculty give their feedback through the faculty meeting organized twice in a month by the university. Head of the department organizes the faculty meeting then and there, through which feedback has been collected and take the necessary action then and there. Feedback from other stakeholders like employer and administration are obtained through the Industry Advisory Board and Board of Studies meeting. The curriculum and regulations will be modified as per the requirements. Alumni meeting are arranged once in six months to have</p>



discussions on the academic practices. Alumni give feedback regarding improvement in communication skill, motivation to lifelong learning, social responsibility and placement. To assess the performance of the students in the organization placed, employer feedback is collected whenever possible. Employer gives feedback regarding the professional knowledge, leadership qualities, creativity, team building and the attitude of the graduates. Parents feedback has been collected through the parents meeting conducted once in a year. Feedback has been received in the open forum, parents are allowed to mention the grievances, comments and suggestions which were addressed by the officials. Implant training, competitive exam coaching classes, field visits and coaching classes for weak students were organized within the department.

## CRITERION II – TEACHING- LEARNING AND EVALUATION

### 2.1 – Student Enrolment and Profile

#### 2.1.1 – Demand Ratio during the year

Name of the Programme	Programme Specialization	Number of seats available	Number of Application received	Students Enrolled
Mtech	Engineering Design	10	26	6
Mtech	Embedded Systems	10	16	5
Mtech	Computer Science and Engineering	20	49	14

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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
2017	6922	993	220	36	211

### 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	365	141	139	9	3
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#### 2.3.2 – Students mentoring system available in the institution? Give details. (maximum 500 words)

Mentoring is a powerful personal developmental and empowerment tool. It is an effective way of helping students to progress in their career and is becoming increasingly popular, as its potential is realized. Mentoring is pairing a young person with a caring elder. It is a partnership between two people (mentor and mentee). It is a helpful relationship based upon mutual trust and respect. The mentors are the campus parents of the mentees. The

mentor is a person of credibility who earns the respect of the students. He shall be able to understand the personality of each individual and also his or her needs, and accordingly help him/her to excel in academics, realize the student's full potential and go forward in life. The mentee in the context of Karunya Institute of Technology and Sciences is a student of the Institution, allocated to a mentor, a member of the faculty.

Implementation of the Mentoring System Mentoring is a youth development strategy that can create a path to successful adulthood and career for the students. A mentor shall have a maximum of 22 students (MENTEES) allocated to him/her. The mentees shall be attached to the same mentor for the entire course of study, except during I year. The mentor shall update the communication details of the parents and mentees (Postal address, contact number) in the system as and when required with authenticated confirmation. The mentors shall meet the mentees once in two weeks and record the minutes of the meetings in the system. The slots for the mentor meeting shall be fixed by the department and incorporated in the timetable. The details about each mentee will be recorded and periodically updated in the system. The mentors shall update the mentee's parents about the progress of the mentees and the details of memos received by the mentee (if any) through progress reports.

Aspects that come under a Mentor's review of his/her Mentees Attendance: The mentor shall take care of the attendance of the mentee. The attendance in assembly and class has to be ensured by following the guidelines in this Policy. Also, mentors are responsible to monitor and advise and take necessary followup actions with regard to mentees, who are on 'out of rolls' and those absent from residences. Academic matters: The mentors shall also attend to the academic matters of mentees dealing with academic performance, internal assessment marks, semester results and remedial coaching, if relevant. Other areas of care: The mentors shall also look into the following areas with regard to their mentees: o Behavioural and discipline matters o Physical health o Spiritual growth o Achievements, talents, scientific achievements o Extra, co curricular achievements

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
8501	452	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	452	Nil	5	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
2017	Dr.M. Nesa sudha	Associate Professor	Innovative technological research
2017	Dr.J. Anitha	Assistant Professor	Special prize in national young leaders Programme.
2017	A.Diana Andrushia	Assistant Professor	National young leaders programme
2017	S.Radha	Assistant Professor	Third prize in National young leaders programme
2017	Sugumar D	Assistant Professor	Innovative Dedicated Teaching Faculty Professional Award
2017	Dr.Roopa Jayasingh.J	Assistant Professor	Innovative technological

			research
2017	Dr. J. Grace Jency Gnanammal	Assistant Professor	National young leaders programme
2017	Mr. John Paul	Assistant Professor	First prize in National young leaders programme
2017	Ms J. Jacinth Poornima	Assistant Professor	Young Woman in Engineering
2017	Dr.M. Lydia	Assistant Professor	Best Paper Award
2017	Dr X Anitha Mary	Assistant Professor	Academic Excellence Award
2017	Dr.S.Murugan	Associate Professor	Best Citizens of India
2017	Dr. V. M. Berlin Grace	Professor	IDA Teaching Award -2016
2017	Dr.Clement Sudhahar	Professor	Best Achiever
2017	Dr.Samuel Joseph	Professor	Best paper Award
2018	Dr. N Anand	Associate Professor	Vishwakarma Award 2018 Achievers Award for Academician
2017	Dr.Jims John Wessely	Assistant Professor	Best Poster Award
2017	Mr. Aldin Justin Sundararaj	Assistant Professor	Best Poster Award
2018	Mr. Aldin Justin Sundararaj	Assistant Professor	Young Engineers Award
2017	Ms. I. Deva Priya	Assistant Professor	Best Poster Award
2017	Dr. S. Salaja	Associate Professor	Best Poster Award
2017	Dr. J. Anitha	Assistant Professor	Best Poster Award
2017	Dr. K. Ramalakshmi	Assistant Professor	Longest Continuous SBC Award
2017	Dr. E. Grace Mary Kanaga	Associate Professor	National young leaders programme
2017	Mr. S. Iwin Thanakumar Joseph	Assistant Professor	National young leaders programme
2017	Dr. J. Anitha	Assistant Professor	Young Woman Educator
2017	Dr. G. Josemin Bala	Professor	Outstanding women educator and scholar

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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
MSc	Microbiology	DEC 2017	15/12/2017	10/01/2018
MSc	Nanoscience and Technology	DEC 2017	14/12/2017	10/01/2018
MSc	Physics	DEC 2017	18/12/2017	10/01/2018
MSc	Visual Communication	DEC 2017	12/12/2017	10/01/2018
Mtech	Advanced Manufacturing Technology	DEC 2017	18/12/2017	10/01/2018
Mtech	Aerospace Engineering	DEC 2017	27/11/2017	10/01/2018
Mtech	Bioinformatics	DEC 2017	13/12/2017	10/01/2018
Mtech	Biomedical Instrumentation	DEC 2017	19/12/2017	10/01/2018
Mtech	Biotechnology	DEC 2017	18/12/2017	10/01/2018
Mtech	Communication Systems	DEC 2017	18/12/2017	10/01/2018
Mtech	Computer Science and Engineering	DEC 2017	15/12/2017	10/01/2018
Mtech	Control and Instrumentation	DEC 2017	17/11/2017	10/01/2018
Mtech	Embedded Systems	DEC 2017	19/12/2017	10/01/2018
Mtech	Engineering Design	DEC 2017	18/12/2017	10/01/2018
Mtech	Environmental and Water Resources Engineering	DEC 2017	18/12/2017	10/01/2018
Mtech	Food Processing and Engineering	DEC 2017	15/12/2017	10/01/2018
Mtech	Geotechnical Engineering	DEC 2017	18/12/2017	10/01/2018
Mtech	Information Technology	DEC 2017	15/12/2017	10/01/2018
Mtech	Nanotechnology	DEC 2017	24/11/2017	10/01/2018
Mtech	Network and	DEC 2017	15/12/2017	10/01/2018

	Internet Engineering			
Mtech	Power Electronics and Drives	DEC 2017	17/11/2017	10/01/2018
Mtech	Renewable Energy Technologies	DEC 2017	18/12/2017	10/01/2018
Mtech	Structural Engineering	DEC 2017	18/12/2017	10/01/2018
Mtech	Thermal Engineering	DEC 2017	18/12/2017	10/01/2018
Mtech	VLSI Design	DEC 2017	19/12/2017	10/01/2018
PG Diploma	Petroleum	DEC 2017	13/11/2017	10/01/2018
BA	Criminology	DEC 2017	18/12/2017	10/01/2018
BA	English	DEC 2017	19/12/2017	10/01/2018
BBA	BBA	DEC 2017	08/12/2017	10/01/2018
BCA	BCA	DEC 2017	08/12/2017	10/01/2018
BCom	Commerce	DEC 2017	11/12/2017	10/01/2018
BCom	Commerce in Computer Application	DEC 2017	06/12/2017	10/01/2018
BCom	Professional Accounting	DEC 2017	06/12/2017	10/01/2018
BSc	Agriculture	DEC 2017	08/12/2017	10/01/2018
BSc	Horticulture	DEC 2017	08/12/2017	10/01/2018
BSc	Information Security and Digital Forensics	DEC 2017	19/12/2017	10/01/2018
BSc	Information Technology	DEC 2017	08/12/2017	10/01/2018
BSc	Visual Communication	DEC 2017	04/12/2017	10/01/2018
BTech	Aerospace Engineering	DEC 2017	14/12/2017	10/01/2018
BTech	Agricultural Engineering	DEC 2017	08/12/2017	10/01/2018
BTech	Bioinformatics	DEC 2017	14/12/2017	10/01/2018
BTech	Biomedical Engineering	DEC 2017	14/12/2017	10/01/2018
BTech	Biotechnology	DEC 2017	14/12/2017	10/01/2018
BTech	Civil Engineering	DEC 2017	14/12/2017	10/01/2018
BTech	Computer Science and	DEC 2017	14/12/2017	10/01/2018

	Engineering			
BTech	Electrical and Electronics Engineering	DEC 2017	14/12/2017	10/01/2018
BTech	Electronics and Communication Engineering	DEC 2017	14/12/2017	10/01/2018
BTech	Electronics and Instrumentation Engineering	DEC 2017	14/12/2017	10/01/2018
BTech	Electronics and Media Technology	DEC 2017	14/12/2017	10/01/2018
BTech	Food Processing and Engineering	DEC 2017	14/12/2017	10/01/2018
BTech	Information Technology	DEC 2017	14/12/2017	10/01/2018
BTech	Mechanical Engineering	DEC 2017	14/12/2017	10/01/2018
MA	English	DEC 2017	13/12/2017	10/01/2018
MA	Media and Communications	DEC 2017	12/12/2017	10/01/2018
MBA	Master of Business Administration	DEC 2017	18/12/2017	10/01/2018
MCA	Master of Computer Applications	DEC 2017	17/11/2017	10/01/2018
MSc	Chemistry	DEC 2017	15/12/2017	10/01/2018
MSc	Information Security and Digital Forensics	DEC 2017	18/12/2017	10/01/2018
MSc	Mathematics	DEC 2017	24/11/2017	10/01/2018
<a href="#">View File</a>				

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
125	15613	80

## 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)

<http://www.karunya.edu/mechanical>

## 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
13710653298	BTech	Aerospace Engineering	57	55	96
13713262195	BTech	Bio Medical Engineering	55	51	92
13725340778	BTech	Biotechnology	70	64	91
13672511774	BTech	Civil Engineering	186	174	93
13698748045	BTech	Computer Science and Engineering	298	279	93
13713121585	BTech	Electrical and Electronics Engineering	116	112	96
13713167175	BTech	Electronics and Communication Engineering	252	243	96
13713262195	BTech	Electronics and Instrumentation Engineering	52	30	57
15024306306	BTech	Electronics and Media Technology	37	35	94
13710497451	BTech	Food Processing and Engineering	58	56	96
13810254189	BTech	Information Technology	3	1	33
13672511777	BTech	Mechanical Engineering	261	245	93
Nil	MA	English	19	19	100
13720013267	MBA	Master of Business Administration	156	153	98
Nil	MSc	Chemistry	9	9	100

Nill	MSc	Mathematics	3	3	100
Nill	MSc	Microbiology	4	4	100
Nill	MSc	Nanoscience and Technology	27	27	100
Nill	MSc	Physics	10	10	100
Nill	BSc	Visual Communication	22	18	81
Nill	MSc	Visual Communication	7	7	100
13710914543	Mtech	Advanced Manufacturing Technology	8	7	87
Nill	Mtech	Bioinformatics	9	9	100
13725340778	Mtech	Biotechnology	17	17	100
13713499892	Mtech	Communication Systems	10	10	100
13698748045	Mtech	Computer Science and Engineering	12	12	100
Nill	Mtech	Control and Instrumentation	3	3	100
13710653298	Mtech	Aerospace Engineering	7	7	100
13713397102	Mtech	Embedded Systems	8	8	100
13710914546	Mtech	Engineering Design	8	8	100
13712347011	Mtech	Environmental and Water Resources Engineering	4	4	100
13710497451	Mtech	Food Processing and Engineering	2	2	100
13810254189	Mtech	Information Technology	10	10	100
13712247385	Mtech	Network and Internet Engineering	5	5	100



13713121585	Mtech	Power Electronics and Drives	4	4	100
13713257686	Mtech	Renewable Energy Technologies	8	8	100
13712228547	Mtech	Structural Engineering	15	15	100
13713167179	Mtech	VLSI Design	8	8	100
<a href="#">View File</a>					

## 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)

<http://eduserve.karunya.edu>

## 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. Roopa Jayasingh.J	Innovative technological research dedicated professional engineer	12/03/2017	Society of engineers and technicians
National	Mr. S. Iwin Thanakumar Joseph	National young leaders programme	13/03/2017	NSS Regional Directorate, Chennai, Ministry of Youth Affairs Sprots
International	Dr.S. Murugan	Best Citizens of India	14/07/2017	Best International Publishing House
International	Dr. X Anitha Mary	Academic Excellence Award	11/03/2018	International Professional Award
National	Dr. K. Ramalakshmi	Longest Continuous SBC Award	15/01/2017	Computer Society on India
National	Dr.N. Anand	Vishwakarma Award 2018 Achievers Award for Academician	07/03/2017	Construction Industry Development Council (CIDC) NITI Aayog, GoI for Research and Consultancy

				in Civil Engineering
National	Dr. J. Anitha	Young Woman Educator Scholar	08/03/2017	National Foundation for Entrepreneurship Development (NFED)
National	Dr. G. Josemin Bala	Outstanding women educator and scholar	08/03/2017	National foundation for entrepreneurship development.
National	Dr.M. Nesa sudha	Innovative technological research dedicated professional engineer	12/03/2017	Society of engineers and technicians
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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
JUNIOR RESEARCH FELLOWSHIP	3	DAE BRNS
JUNIOR RESEARCH FELLOWSHIP	1	National Tea Research Foundation (NTRF)
JUNIOR RESEARCH FELLOWSHIP	3	Defence Research and Development Organisation (DRDO)
JUNIOR RESEARCH FELLOWSHIP	3	DSTSERB
JUNIOR RESEARCH FELLOWSHIP	18	UGC BAE
JUNIOR RESEARCH FELLOWSHIP	3	ISRO
JUNIOR RESEARCH FELLOWSHIP	2	DRDO
JUNIOR RESEARCH FELLOWSHIP	6	UGC BAE
ISRFFellow	5	Indian Science and Research Fellowship
Research Assistant	1	Indian Council of Social Science Research
Research Associate	2	Combat Vehicles Research and Development Establishment
Research Associate	1	Indian Council of Social Science Research
SENIOR RESEARCH FELLOWSHIP	3	Indian Council of Medical Research (ICMR)

SENIOR RESEARCH FELLOWSHIP	1	DST
JUNIOR RESEARCH FELLOWSHIP	1	MoEF
JUNIOR RESEARCH FELLOWSHIP	1	DST
JUNIOR RESEARCH FELLOWSHIP	1	MoEF
JUNIOR RESEARCH FELLOWSHIP	1	MoEF
JUNIOR RESEARCH FELLOWSHIP	1	MoEF
JUNIOR RESEARCH FELLOWSHIP	1	MoEF
JUNIOR RESEARCH FELLOWSHIP	1	MoEF
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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
Industry sponsored Projects	3	ICMR	5.5	16.51
International Projects	1	United Board for Christian Higher Education in Asia	1.95	1.95
Industry sponsored Projects	3	DRDO	37.64	37.64
Industry sponsored Projects	2	DRDO	3.43	22.91
Industry sponsored Projects	3	The Institution of Engineers	0.75	0.75
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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
7th IPR and innovative hearing	IPR	28/08/2017
Two days IPR training program	IPR	07/06/2018

Commerzialization Innitiative Pannel Discussion	IPR	08/06/2018
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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
Academic Excellence Award	Dr. X. Anitha Mary	International Professional Award	27/06/2017	Restricted
National young leaders programme	Mr. John Paul	National service scheme (NSS)	29/11/2018	Restricted
IDA Teaching Award 2016	Dr. V. M. Berlin Grace	Science, Engineering, Computers and Technology from India Didactics Association	28/11/2018	Restricted
Innovative Dedicated Teaching Faculty Professional Award	Sugumar D	Society of engineers and technicians	12/12/2018	Restricted
Longest Continuous SBC Award	Dr. K. Ramalakshmi	Computer Society on India	21/12/2018	Restricted
National young leaders programme	Dr. E. Grace Mary Kanaga	Dr. Grace Mary Kanaga has been awarded with Ist prize for the outstanding contribution in NSS from MHRD.	29/12/2018	Restricted
National young leaders programme	Mr. S. Iwin Thanakumar Joseph	Mr. Iwin Thanakumar Joseph has been awarded with IInd prize for the outstanding contribution in NSS from MHRD	16/12/2018	Restricted
National young leaders programme	A. Diana Andrushia	National service scheme (NSS)	28/12/2018	Restricted
National young leaders programme	Grace Jency	National service scheme (NSS)	19/12/2018	Restricted
Outstanding women educator and scholar	Dr. G. Josemin Bala	National foundation for entrepreneurship development.	18/12/2018	Restricted

Special prize in national young leaders Programme.	Dr.J. Anitha	National service scheme (NSS)	29/12/2018	Restricted
National young leaders programme	S.Radha	National service scheme (NSS)	09/12/2018	Restricted
UGC RESEARCH AWARDDELHI	J.Jayakumar	RA2014160BTAM 5600	12/12/2018	open
Vishwakarma Award 2018 Achievers Award for Academician	Dr. N. Anand	From Construction Industry Development Council (CIDC) NITI Aayog, GoI for Research and Consultancy in Civil Engineering	05/12/2018	Open
Young Engineers Award	Mr. Aldin Justin Sundararaj	<a href="https://www.iindia.org/webui/ajax/Downloads/WebUI_PDF/Activity_Award/IEI_YEA_201718_List_Recipients.pdf?v04.2">https://www.iindia.org/webui/ajax/Downloads/WebUI_PDF/Activity_Award/IEI_YEA_201718_List_Recipients.pdf?v04.2</a>	24/12/2018	Open
Young Woman Educator Scholar	Dr. J. Anitha	National Foundation for Entrepreneurship Development (NFED)	06/12/2018	Restricted
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### 3.3.3 – No. of Incubation centre created, start-ups incubated on campus during the year

Incubation Center	Name	Sponsered By	Name of the Start-up	Nature of Start-up	Date of Commencement
Karunya Innovation and Incubation Centre	Karunya Innovation and Incubation Centre	KITS	Abhi Repair Pvt Ltd	Repair of personal and household goods	25/07/2017
Karunya Innovation and Incubation Centre	Karunya Innovation and Incubation Centre	KITS	New 10s Online Shopping Pvt. Ltd	E-commerce marketplace offering products with custom printing across garments , books, gift items and visiting cards	15/02/2018

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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
Department of Mathematics	3
Department of Mechanical Engineering	4
Department of Nanotechnology	3
Department of Physics	4
Department of Instrumentation Engineering	2
Department of Bioinformatics	1
Department of Biotechnolgy	3
Department of Chemistry	4
Department of Civil Engineering	2
Department of Computer Science and Engineering	3
Department of Electrical and Electronics Engineering	3
Department of Electronics and Communication Engineering	5
Department of Food Processing and Engineering	2
Library and Information Science	2
Department of Management Studies	5

#### 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	38	1.72
International	Chemistry	30	2.67
International	Computer Science and Engineering	24	2.1

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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
Biotechnology	21
Chemistry	27
Civil Engineering	31
Computer Science and Engineering	33
Electrical and Electronics Engineering	30

Electronics and Communication Engineering	83
Food Processing and Engineering	12
Library and Information Science	1
Management Sciences	3
Mathematics	14
Mechanical Engineering	63
Nanotechnology	12
Physics	20
Instrumentation Engineering	29
English	2
Aerospace Engineering	9
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#### 3.4.4 – Patents published/awarded/applied during the year

Patent Details	Patent status	Patent Number	Date of Award
Mini loop Thermosyphons	Published	2017410299	24/08/2017
Pod Ash As Reinforcement to Metal Matrix Composites	Published	2017410299	24/08/2017
BATtery Charging Method and System	Published	2018410133	09/04/2018
Wound Healing Non Immunogenic NANO Scaffolds	Published	2017052562	01/11/2017
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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
Phosphine-free cobalt pincer complex catalyzed	Landge V.G., Pitc haimani J., Midya S.P., Suba ramanian M., Madhu V., Balaraman E.	Catalysis Science and Technology	2018	0	karunya institute of technology and sciences	8
Performance measures on blood	Melvin Johnson A., Jegan R., Anitha	Proceedings of IEEE International	2017	0	karunya institute of technology	1

pressure and heart rate measurement from PPG signal for biomedical applications	Mary X.	Conference on Innovations in Electrical, Electronics, Instrumentation and Media Technology , ICIEEIMT 2017			and sciences	
Continuous monitoring of blood glucose using photoplethysmograph signal	Philip L.A., Raja sekaran K., Smily Jeya Jothi E.	Proceedings of IEEE International Conference on Innovations in Electrical, Electronics, Instrumentation and Media Technology , ICIEEIMT 2017	2017	0	karunya institute of technology and sciences	1
Economic analysis of hybrid energy system for rural electrification using homer	Kumari J., Subathra P., Edwin Moses J., Shruthi D.	Proceedings of IEEE International Conference on Innovations in Electrical, Electronics, Instrumentation and Media Technology , ICIEEIMT 2017	2017	0	karunya institute of technology and sciences	3
Naringenin Decreases	Mani S., Sekar S., Barathidasan R., Manivasagam T., Thenmozhi A.J., Sevanan M., Chidambaram S.B., Essa M.M., Guillemin G.J., Sakharkar	Neurotoxicity Research	2018	0	karunya institute of technology and sciences	5



	M.K.					
Pyrene based chalcone as a reversible fluorescent chemosensor for Al	Suresh S., Bhuvanesh N., Prabhu J., Thamiselvan A., S. R.J.R., Kannan K., V. R.K., Nandhakumar R.	Journal of Photochemistry and Photobiology A	2018	0	karunya institute of technology and sciences	4
A review of nanoparticle application in water treatment	Aishwarya, Chellaiah G., Mosae Selvakumar P.	International Journal of Civil Engineering and Technology	2018	0	karunya institute of technology and sciences	1
Solar irradiance forecasting and energy optimization for achieving nearly net zero energy building	Naveen Chakkaravarthy A., Subathra M.S.P., Jerin Pradeep P., Manoj Kumar N.	Journal of Renewable and Sustainable Energy	2018	0	karunya institute of technology and sciences	5
Evaluation of Mechanical Properties of MWCNT / Nanoclay Reinforced Aluminium alloy Metal Matrix Composite	Samuel Ratna Kumar P.S., Robinson Smart D.S., John Alexis S.	IOP Conference Series	2018	0	karunya institute of technology and sciences	1
Cytotoxicity and apoptotic cell death induced by Vitis vinifera peel and seed extracts in A431 skin	Grace Nirmala J., Evangeline Celsia S., Swaminathan A., Narendhirakannan R.T., Chatterjee S.	Cytotechnology	2018	0	karunya institute of technology and sciences	3

cancer cells						
Transparent Conducting Mo-Doped CdO Thin Films by Spray Pyrolysis Method for Solar Cell Applications	Helen S.J., Devadason S., Haris M., Mahalingam T.	Journal of Electronic Materials	2018	0	karunya institute of technology and sciences	2
Synthesis and characterization of cotton fiber-based nano cellulose	Theivasa nthi T., Anne Christma F.L., Toyin A.J., Gopinath S.C.B., Ravichandran R.	International Journal of Biological Macromolecules	2018	0	karunya institute of technology and sciences	11
Investigation of efficiency enhancement in InGaN MQW LED with compositionally step graded GaN/InAlN/GaN multi-layer barrier	Prajoon P., Anuja Menokey M., Charles Pravin J., Ajayan J., Rajesh S., Nirmal D.	Superlattices and Microstructures	2018	0	karunya institute of technology and sciences	1
Non-fragile finite-time	Rakkiyapan R., Maheswari K., Sivaranjani K., Joo Y.H.	Nonlinear Analysis	2018	0	karunya institute of technology and sciences	5
A novel node collusion method for isolating sinkhole nodes in mobile ad hoc cloud	Jebadurai I.J., Rajsingh E.B., Paulraj G.J.L.	Advances in Intelligent Systems and Computing	2018	0	karunya institute of technology and sciences	1
A forward	Daniel R.M.,	Journal of King	2018	0	karunya institute	1

secure signature scheme with ciphertext authentication for e-payment systems using conic curve cryptography	Rajsingh E.B., Silas S.	Saud University - Computer and Information Sciences			of technology and sciences	
Development of a fluorescent chemosensor towards sensing and separation of Mg	Tamil Selvan G., Chitra C., Israel E.V.M.V., Selvakumar P.M.	New Journal of Chemistry	2018	0	karunya institute of technology and sciences	4
Optimized extraction and characterization of pectin from jackfruit	Sundarraaj A.A., Thottiam Vasudevan R., Sriramulu G.	International Journal of Biological Macromolecules	2018	0	karunya institute of technology and sciences	6
Comparative analysis of 1-D HMM and 2-D HMM for hand motion recognition applications	Sagayam K.M., Hemanth D.J.	Advances in Intelligent Systems and Computing	2018	0	karunya institute of technology and sciences	1
Implication-based fuzzy normal subgroup of a finite group	Selva Rathi M., Michael Anna Spinneli J.	International Journal of Applied Engineering Research	2018	0	karunya institute of technology and sciences	2
Computational analysis of three blade vertical axis wind	Sunny K.A., Kumar P., Kumar N.M., Priscilla S.	Progress in Industrial Ecology	2018	0	karunya institute of technology and sciences	1

turbine						
FPGA implementation of elephant recognition in infrared images to reduce the computational time	Mangai N.M.S., Karthigaikumar P., Vinod S.T., Chandy D.A.	Journal of Ambient Intelligence and Humanized Computing	2018	0	karunya institute of technology and sciences	1
Direct access to	Midya S.P., Pitchaimani J., Landge V.G., Madhu V., Balaraman E.	Catalysis Science and Technology	2018	0	karunya institute of technology and sciences	5
Impact of information technology on the job satisfaction of LIS professionals	Pandita R., Dominic J.	DESIDOC Journal of Library and Information Technology	2018	0	karunya institute of technology and sciences	1
Selection of modified chain sampling plan through minimum angle criteria	Edna K.R.J., Joyce V.J.	International Journal of Mechanical Engineering and Technology	2018	0	karunya institute of technology and sciences	1
Current collapse modeling in AlGaIn/GaN HEMT using small signal equivalent circuit for high power application	Nirmal D., Arivahagan L., Fletcher A.S.A., Ajayan J., Prajoon P.	Superlattices and Microstructures	2018	0	karunya institute of technology and sciences	2
Molecular encapsulation	Ramasamy S., Samathanam	Colloids and Surfaces B	2018	0	karunya institute of	7

or on the surface of magnetic nanoparticulates. Controlled drug release from calcium Ferrite/Cyclodextrin	B., Reuther H., Adyanpuram M.N.M.S., Enoch I.V.M.V., Potzger K.				technology and sciences	
Near perfect path generation of corners chamfered rectangle and single synthesis cam-link mechanism to generate special-slot path	Ajith Kumar G., Ganesan G., Sekar M.	Mechanics Based Design of Structures and Machines	2018	0	karunya institute of technology and sciences	1
Saliency-based image compression using Walsh	Diana Andrushia A., Thangarjan R.	Lecture Notes in Computational Vision and Biomechanics	2018	0	karunya institute of technology and sciences	2
Bioprospecting marine actinomycetes for multidrug-resistant pathogen control from Rameswaram coastal area, Tamil Nadu, India	Wahaab F., Subramaniam K.	Archives of Microbiology	2018	0	karunya institute of technology and sciences	1
A modified genetic algorithm for performance improvement of	Jude Hemanth D., Anitha J., Popescu D.E., Son L.H.	Journal of Intelligent and Fuzzy Systems	2018	0	karunya institute of technology and sciences	4

transform based image steganography systems						
Gene co-expression network analysis for identifying genetic markers in Parkinson	George G., Singh S., Lokappa S.B., Varkey J.	Genomics	2018	0	karunya institute of technology and sciences	3
High flat gain low noise neural signal recording amplifier	Mythry S.V., Moni D.J.	Proceedings of IEEE International Conference on Signal Processing and Communication, ICSPC 2017	2018	0	karunya institute of technology and sciences	1
Analyzing the performance of Viola Jones Face Detector on the LDHF database	Shamia D., Chandy D.A.	Proceedings of IEEE International Conference on Signal Processing and Communication, ICSPC 2017	2018	0	karunya institute of technology and sciences	2
A survey on analysis of ST-segment to diagnose coronary artery disease	Revathi J., Anitha J.	Proceedings of IEEE International Conference on Signal Processing and Communication, ICSPC 2017	2018	0	karunya institute of technology and sciences	1
Study on the behaviour of self curing concrete with manufactured sand using polyethylene glycol	Sheela V., Reddy M.J., Jayalindhanthi R.	International Journal of Civil Engineering and Technology	2018	0	karunya institute of technology and sciences	1

Investigation and reduction methods of specific absorption rate for biomedical applications	Priyadarshini S.J., Hemanth D.J.	International Journal of RF and Microwave Computer-Aided Engineering	2018	0	karunya institute of technology and sciences	1
An improvement of the parameterized frequent directions algorithm	Francis D.P., Raimond K.	Data Mining and Knowledge Discovery	2018	0	karunya institute of technology and sciences	1
Visual tracking with conditionally adaptive multiple template update scheme for intricate videos	Joy E., Peter J.D.	Multimedia Systems	2018	0	karunya institute of technology and sciences	1
Study of pore structure of silica fume concrete for optimum replacement	Joe Paulson A., Melchizedek A., Angeline Prabhavathy R.	International Journal of Civil Engineering and Technology	2018	0	karunya institute of technology and sciences	1
New cationic and neutral copper	Kalaiarasi G., Rex Jeya Rajkumar S., Dharani S., Rath N.P., Prabhakaran R.	Journal of Photochemistry and Photobiology B	2018	0	karunya institute of technology and sciences	1
Context-aware adaptive resource provisioning for mobile clients in intra-	Durga S., Mohan S., Peter J.D., Surya S.	Cluster Computing	2018	0	karunya institute of technology and sciences	1

cloud environment						
Synthesis, spectral characterization and biological evaluation of some copper	Kalaiarasi G., Rajkumar S.R.J., Dharani S., Lynch V.M., Prabhakaran R.	Inorganica Chimica Acta	2018	0	karunya institute of technology and sciences	8
Some properties on the oscillation behaviour of third order neutral delay difference equations	Gomathi Jawahar G.	International Journal of Mechanical Engineering and Technology	2018	0	karunya institute of technology and sciences	1
Instance selection and feature extraction using cuttlefish optimization algorithm and principal component analysis using decision tree	Suganthi M., Karunakaran V.	Cluster Computing	2018	0	karunya institute of technology and sciences	2
Chaotic social spider algorithm for load balance aware task scheduling in cloud computing	Arul Xavier V.M., Annadurai S.	Cluster Computing	2018	0	karunya institute of technology and sciences	1
Molecular docking, synthesis, and biological evaluation	Sharma G., Vasanth Kumar S., Wahab H.A.	Journal of Biomolecular Structure and Dynamics	2018	0	karunya institute of technology and sciences	3



of naphthoquinone as potential novel scaffold for H5N1 neuraminidase inhibition						
Photocatalytic Degradation of Rhodamine B Using Zinc Oxide Activated Charcoal Polyaniline Nanocomposite and Its Survival Assessment Using Aquatic Animal Model	Steplin Paul Selvin S., Ganesh Kumar A., Sarala L., Rajaram R., Sathiyar A., Princy Merlin J., Sharmila Lydia I.	ACS Sustainable Chemistry and Engineering	2018	0	karunya institute of technology and sciences	4
Continuous and remote monitoring of ground water level measurement in a well	Anitha Mary X., Rose L., Rajasekaran K.	International Journal of Water	2018	0	karunya institute of technology and sciences	1
A review on cellulose and its utilization from agro-industrial waste	Sundarrajan A.A., Rangathan T.V.	Drug Invention Today	2018	0	karunya institute of technology and sciences	1
Impact of Electrical Conductivity on the Electrochemical Performances of Layered Structure Lithium Tr	Kumar P.S., Ayyasamy S., Tok E.S., Adams S., Reddy M.V.	ACS Omega	2018	0	karunya institute of technology and sciences	1

ivanadate						
The first highly selective turn	Varadaraju C., Tamils elvan G., Enoch I.V.M.V., Srinivasadesikan V., Lee S.-L., Selvakumar P.M.	New Journal of Chemistry	2018	0	karunya institute of technology and sciences	2
An investigation on 3-acetyl-7-methoxy-coumarin Schiff bases and their Ru	Kalaiarasi G., Jeyarajkumar S.R., Dharani S., Malecki J.G., Prabhakaran R.	RSC Advances	2018	0	karunya institute of technology and sciences	1
Cyclometallated ruthenium	Kalaiarasi G., Rajkumar S.R.J., Dharani S., Fronczek F.R., Muthukumar Nadar M.S.A., Prabhakaran R.	New Journal of Chemistry	2018	0	karunya institute of technology and sciences	3
Evaluation on diabetic plantar pressure data-set employing auto-segmentation technologies	Chen H., Cao L., Li Z., Hemanth D.J., Wu L., de Albuquerque V.H.C., Shi F.	Neural Computing and Applications	2018	0	karunya institute of technology and sciences	1
Experimental investigation of high speed drilling of glass fiber reinforced	Raja R., Jannet S.	International Journal of Mechanical and Production Engineering Research and Develo	2017	0	karunya institute of technology and sciences	4

plastic		ment				
Morphology dependent electrochemical capacitor performance of NiMoO	Saravana kumar B., Ramachandran S.P., Ravi G., Ganesh V., Sakunthala A., Yuvakkumar R.	Materials Letters	2017	0	karunya institute of technology and sciences	11
Investigation of internal curing concrete with the addition of ground exfoliated vermiculite	Sheela V., Shanthi R.M.	International Journal of Civil Engineering and Technology	2017	0	karunya institute of technology and sciences	1
Influence of combustion chamber pressure on injector performance	Adheena G.J., Sunny K.A., Vasanth A., Kumar N.M.	International Journal of Mechanical Engineering and Technology	2018	0	karunya institute of technology and sciences	2
Experimental investigations of the performance of a thermooacoustic refrigerator based on the Taguchi method	Babu K.A., Sherjin P.	Journal of Mechanical Science and Technology	2018	0	karunya institute of technology and sciences	1
Investigation of DC-RF and breakdown behaviour in L	Ajayan J., Ravichandran T., Mohankumar P., Prajoon P., Charles Pravin J., Nirmal D.	AEU - International Journal of Electronics and Communications	2018	0	karunya institute of technology and sciences	5
Effect of Nanoparticle	Tharayil T., Godson Asirvatham	Journal of Heat Transfer	2018	0	karunya institute of	4

Coating on the Performance of a Miniature Loop Heat Pipe for Electronics Cooling Applications	L., Rajesh S., Wongwises S.				technology and sciences	
Selective Separation of Dyes and Brine Recovery from Textile Wastewater by Nanofiltration Membranes	Thamaraiselvan C., Michael N., Oren Y.	Chemical Engineering and Technology	2018	0	karunya institute of technology and sciences	5
Brain signal based human emotion analysis by circular back propagation and Deep Kohonen Neural Networks	Hemanth D.J., Anitha J., Son L.H.	Computers and Electrical Engineering	2018	0	karunya institute of technology and sciences	10
Investigation of Mechanical and Electromagnetic Interference Shielding Properties of Nickel	Tugirumbano A., Vijay S.J., Goswami S.H., Kwak L.K., Kim H.G.	Journal of Materials Engineering and Performance	2018	0	karunya institute of technology and sciences	1
A study on factors influencing adoption of technology and innovation in banking industry, tamilnadu,	Porselvi W., Jublee D., Sivanesan G.	International Journal of Mechanical Engineering and Technology	2018	0	karunya institute of technology and sciences	2

India						
Preparation and characterization of LiNi	Senthil Kumar P., Sakunthala A., Reddy M.V., Chowdari B.V.R.	Ionics	2017	0	karunya institute of technology and sciences	1
Enhanced photocatalytic activity of transition metal ions doped g	Durairaj A., Sakthivel T., Obadiah A., Vasanthkumar S.	Journal of Materials Science	2018	0	karunya institute of technology and sciences	2
Effect of strain in PbSe/ZnPc stacked layers prepared by thermal evaporation method	Kannan R.R., Mohan A., Nelson P.I., Arivazhagan V., Vidhya B., Rajesh S.	Journal of Materials Science	2018	0	karunya institute of technology and sciences	1
A new fluorescent chemosensor for cadmium	Poomalai S., Govindaraj T.S., Soundrapandian S., Paulraj M.S., Enoch I.V.M.V.	Luminescence	2018	0	karunya institute of technology and sciences	2
Event triggered reliable synchronization of semi-Markovian jumping complex dynamical networks via generalized integral inequalities	Sivaranjani K., Rakkiyappan R., Joo Y.H.	Journal of the Franklin Institute	2018	0	karunya institute of technology and sciences	2
Experimental study of condensation heat	Rajkumar M.R., Praveen A., Arun	International Journal of Heat and	2018	0	karunya institute of technology	4

transfer on hydrophobic vertical tube	Krishnan R., Asirvatham L.G., Wongwises S.	Mass Transfer				and sciences	
Microstructure and mechanical characterization of in situ synthesized AA6061/	David Raja Selvam J., Dinaharan I., Vibin Philip S., Mashinini P.M.	Journal of Alloys and Compounds	2018	0		karunya institute of technology and sciences	4
Improved fed-batch production of high-purity PHB	Dey P., Rangarajan V.	3 Biotech	2017	0		karunya institute of technology and sciences	1
Influence of nano metakaolin and micro bentonite on mechanical properties of concrete	Aiswarya S., Arulraj P.G., Raj A.I.	International Journal of Civil Engineering and Technology	2018	0		karunya institute of technology and sciences	1
Influential effect of random inclusion of synthetic fibers to improve the strength characteristics of black cotton soil	Raman S.J., Aiswarya S., Abraham S.D.	International Journal of Civil Engineering and Technology	2018	0		karunya institute of technology and sciences	1
A Pattern-Based Artificial Bee Colony Algorithm for Motion Estimation in Video Compression Techniques	Hemanth D.J., Anitha J.	Circuits, Systems, and Signal Processing	2018	0		karunya institute of technology and sciences	1

Investigation on the morphology and photocatalytic activity of Cu	Maheskumar V., Vidhya B.	Journal of Photochemistry and Photobiology A	2018	0	karunya institute of technology and sciences	1
Effectiveness of particle and mass impact damping on tool vibration during hard turning process	Paul P.S., Raja P., Aruldas P., Pringle S., Shaji E.	Proceedings of the Institution of Mechanical Engineers, Part B	2018	0	karunya institute of technology and sciences	2
Effective client-driven three-level rate adaptation	Kesavan S., Jayakumar J.	Multimedia Tools and Applications	2018	0	karunya institute of technology and sciences	2
A comparative metagenomic analysis of HPV strains	Dhanaraj P., Devadas A., Muthiah I.	Computational Biology and Chemistry	2018	0	karunya institute of technology and sciences	1
InP high electron mobility transistors for submillimetre wave and terahertz frequency applications	Ajayan J., Nirmal D., Ravichandran T., Mohankumar P., Prajoon P., Arivahagan L., Sarkar C.K.	AEU - International Journal of Electronics and Communications	2018	0	karunya institute of technology and sciences	4
Design of D shaped plasmon	Ramya K.C., Vinoth Kumar K., Geetha K., Boopathi C.S.	Results in Physics	2018	0	karunya institute of technology and sciences	1
Design of temperature sensor	Vinoth Kumar K., Ramya K.C., Kart	Results in Physics	2018	0	karunya institute of technology	1

using twisted photonic crystal fiber	hikumar S., Krishna Kumar K.				and sciences	
Automatic histologically-closer classification of skin lesions	Reboucas Filho P.P., Peixoto S.A., Medeiros da Nobrega R.V., Hemanth D.J., Medeiros A.G., Sangaiah A.K., de Albuquerque V.H.C.	Computerized Medical Imaging and Graphics	2018	0	karunya institute of technology and sciences	4
Electron-deficient tripodal amide based receptor	Murugesan K., Jeyasingh V., Lakshminarayanan S., Govindaraj T.S., Paulraj M.S., Narayanan S., Piramuthu L.	Spectrochimica Acta - Part A	2018	0	karunya institute of technology and sciences	4
An evolutionary approach for personalization of content delivery in e-learning systems based on learner behavior forcing compatibility of learning materials	Christudas B.C.L., Kirubakaran E., Thangaiah P.R.J.	Telematics and Informatics	2018	0	karunya institute of technology and sciences	5
A uniform	Christinal	Natural Computing	2018	0	karunya institute	1



family of tissue P systems with protein on cells solving 3-coloring in linear time	A.H., Diaz-Pernil D., Mathu T.				of technology and sciences	
Small molecule	Bhuvanesh N., Suresh S., Kumar P.R., Mothi E.M., Kannan K., Kannan V.R., Nandhakumar R.	Journal of Photochemistry and Photobiology A	2018	0	karunya institute of technology and sciences	1
Fluorenone based fluorescent probe for selective	Thangadurai D.T., Nithya I., Manjubaashini N., Bhuvanesh N., Bharathi G., Nandhakumar R., Nataraj D.	Spectrochimica Acta - Part A	2018	0	karunya institute of technology and sciences	2
A review on biodiesel production, combustion, performance, and emission characteristics of non-edible oils in variable compression ratio diesel engine using biodiesel and its blends	Suresh M., Jawahar C.P., Richard A.	Renewable and Sustainable Energy Reviews	2018	0	karunya institute of technology and sciences	8
A selective Fluorescence	Arjunan S., Gopalan	Journal of Photochemistry	2018	0	karunya institute of	2

ce Chemose nsor	S., Selvaraj S., Thangaraj S., Krishna K., Nanjan B., Raju N., Palathurai Subramania m M.	and Photob iology			technology and sciences	
Synthesis, spectral, structural characteri zation and biological activity of new palladium	Kalaiarasi G., Aswini G., Rex Jeya Rajkumar S., Dharani S., Lynch V.M., Prab hakaran R.	Applied Organometallic Chemistry	2018	0	karunya institute of technology and sciences	1
Absorption refrigerat ion system using engine exhaust gas as an energy source	Kaewpradub S., Sangua nduean P., Katesuwan W., Chimres N., Punyas ukhananda P., Asirvatham L.G., Mahian O., Dalkilic A.S., Wongwises S.	Case Studies in Thermal En gineering	2018	0	karunya institute of technology and sciences	1
Reduced RAR-	Viswanat han S., Berlin Grace V.M.	Gene	2018	0	karunya institute of technology and sciences	1
On-Grid Solar Phot ovoltaic System	Kumar N.M., Subathra M.S.P., Moses J.E.	Proceedi ngs of the 4th Intern ational Conference on Electrical Energy Systems, ICEES 2018	2018	0	karunya institute of technology and sciences	3

Small Scale Rooftop Solar PV Systems for Rural Electrification in India	Kumar N.M., Subathra M.S.P., Moses J.E.	Proceedings of the 4th International Conference on Electrical Energy Systems, ICEES 2018	2018	0	karunya institute of technology and sciences	2
Investigation of photocatalytic performances of sulfur based reduced graphene oxide-TiO	Raghavan N., Thangavel S., Sivalingam Y., Venugopal G.	Applied Surface Science	2018	0	karunya institute of technology and sciences	5
Electrochemical analysis of Graphene Oxide/Polyaniline/Polyvinyl alcohol composite nanofibers for supercapacitor applications	Rose A., Guru Prasad K., Sakthivel T., Gunasekaran V., Maiyalagan T., Vijaya kumar T.	Applied Surface Science	2018	0	karunya institute of technology and sciences	9
Synthesis of linear antenna arrays using Jaya, self-adaptive Jaya and chaotic Jaya algorithms	Ravipudi J.L., Neebha M.	AEU - International Journal of Electronics and Communications	2018	0	karunya institute of technology and sciences	1
Ratiometric fluorescent chemosensor for silver ion and its bacterial cell	Bhuvanesh N., Suresh S., Prabhu J., Kannan K., Rajesh Kannan V., Nandhakumar R.	Optical Materials	2018	0	karunya institute of technology and sciences	1

imaging						
Resource-aware virtual machine migration in IoT cloud	Paulraj G.J.L., Francis S.A.J., Peter J.D., Jebadurai I.J.	Future Generation Computer Systems	2018	0	karunya institute of technology and sciences	1
On/Off Fluorescent Chemosensor for Selective Detection of Divalent Iron and Copper Ions	Tamil Selvan G., Varadaraju C., Tamil Selvan R., Enoch I.V.M.V., Mosae Selvakumar P.	ACS Omega	2018	0	karunya institute of technology and sciences	2
Investigation on the effect of organic dye molecules on capacitive deionization of sodium sulfate salt solution using activated carbon cloth electrodes	Thamilselvan A., Govindan K., Nesaraj A.S., Maheswari S.U., Oren Y., Noel M., James E.J.	Electrochimica Acta	2018	0	karunya institute of technology and sciences	1
An augmented reality-supported mobile application for diagnosis of heart diseases	Hemanth J.D., Kose U., Deperlioglu O., de Albuquerque V.H.C.	Journal of Supercomputing	2018	0	karunya institute of technology and sciences	7
Influence of heat treatment on the properties of	Nelson P.I., Arthi R., Kannan R.R., Selvan T.P.,	Materials Letters	2018	0	karunya institute of technology and sciences	1

thermally evaporated copper selenide thin films	Ajitha E., Ashina A., Vidhya B.					
Development of link column frame system for seismic resistance of reinforced concrete structures	Joseph J.S., Gladston H., Vellapandi V.	Advances in Civil Engineering Materials	2018	0	karunya institute of technology and sciences	1
Novel Electro-Spun Nanograined ZnO/Au Heterojunction Nanofibers and Their Ultrasensitive NO	Ponnuvelu D.V., Abdulla S., Pullithadathil B.	ChemistrySelect	2018	0	karunya institute of technology and sciences	1
3-Acetyl-8-methoxy-2	Kalaiarasi G., Rex Jeya Rajkumar S., Aswini G., Dharani S., Fronczek F.R., Prabhakaran R.	Spectrochimica Acta - Part A	2018	0	karunya institute of technology and sciences	3
Optimization of gain and return loss of a 2	Vincent S., Francis S.A.J., Kumar O.P., Raimond K.	2017 IEEE International Conference on Antennas and Modern Technologies for Ground, Aircraft and Satellite Applications, iAIM 2017	2018	0	karunya institute of technology and sciences	2

Evaluation of enzymic and non-enzymic antioxidant levels in vernonia cinerea extracts	Abubakker N.	Asian Journal of Pharmaceutical and Clinical Research	2018	0	karunya institute of technology and sciences	1
Investigation of the visible light photocatalytic activity of BiVO	Deebasree J.P., Maheskumar V., Vidhya B.	Ultrasonics Sonochemistry	2018	0	karunya institute of technology and sciences	5
Electrochemical performance of Bi	Deepi A., Sriresh G., Nesaraj A.S.	Nano-Structures and Nano-Objects	2018	0	karunya institute of technology and sciences	4
Sensor Based Smart Real Time Monitoring of Patients Conditions Using Wireless Protocol	Jegan R., Nimi W.S.	International Journal of E-Health and Medical Communications	2018	0	karunya institute of technology and sciences	1
A combined forecast-based virtual machine migration in cloud data centers	Paulraj G.J.L., Francis S.A.J., Peter J.D., Jebadurai I.J.	Computers and Electrical Engineering	2018	0	karunya institute of technology and sciences	1
Biological evaluation of new organoruthenium	Kalaiarasi G., Jeyarajkumar S.R., Dharani S., Fronczek F.R., Prabhakaran R.	Journal of Organometallic Chemistry	2018	0	karunya institute of technology and sciences	2

Thermal Management of Electronic Devices Using Combined Effects of Nanoparticle Coating and Graphene-Water Nanofluid in a Miniature Loop Heat Pipe	Tharayil T., Asirvatham L.G., Rajesh S., Wongwises S.	IEEE Transactions on Components, Packaging and Manufacturing Technology	2018	0	karunya institute of technology and sciences	1
Solar radiation resource assessment using WEKA	Meenal R., Immanuel Selvakumar A., Brighta K., Christy Jeba Joice S., Richard C.P.	Proceedings of the 2nd International Conference on Inventive Systems and Control, ICISC 2018	2018	0	karunya institute of technology and sciences	1
Super-resolution of retinal images using multi-kernel SVR for IoT healthcare applications	Jebadurai J., Dinesh Peter J.	Future Generation Computer Systems	2018	0	karunya institute of technology and sciences	6
Assessment of SVM, empirical and ANN based solar radiation prediction models with most influencing input parameters	Meenal R., Selvakumar A.I.	Renewable Energy	2018	0	karunya institute of technology and sciences	13
Structural, morpho	Senthil Kumar P.,	Solid State	2018	0	karunya institute	3

logical, electrical and electrochemical study on plasticized PVdF-HFP/PEMA blended polymer electrolyte for lithium polymer battery application	Sakunthala A., Reddy M.V., Prabu M.	Ionics			of technology and sciences	
Interaction of a flavone loaded on surface-modified dextran-spooled superparamagnetic nanoparticles with	Sameena Y., Enoch I.V.M.V.	Journal of Biomolecular Structure and Dynamics	2018	0	karunya institute of technology and sciences	1
A novel scoring system for coronary artery disease risk assessment	Ebenezer A.S., Priya S.J., Narmadha D., Sundar G.N.	Proceedings of 2017 International Conference on Intelligent Computing and Control, I2C2 2017	2018	0	karunya institute of technology and sciences	2
Alternate deflation and inflation of search space in reweighted sampling	Mahanty B.	Chemometrics and Intelligent Laboratory Systems	2018	0	karunya institute of technology and sciences	1
DPCM based compressor for capsule endoscopic videos	Babu C., Chandy D.A.	Proceedings of IEEE International Conference on Signal Processing and Commun	2018	0	karunya institute of technology and sciences	1



		ication, ICSPC 2017				
Deep learning for image processing applications	Hemanth D.J., Estrela V.V.	Deep Learning for Image Processing Applications	2017	0	karunya institute of technology and sciences	1
Investigations on the structural, optical and visible light photocatalytic activity of Cu	Maheskumar V., Gururajan B., Vidhya B.	Journal of Materials Science	2017	0	karunya institute of technology and sciences	2
Fusion of artificial neural networks for learning capability enhancement	Hemanth J.D., Anitha J., Ane B.K.	Expert Systems	2017	0	karunya institute of technology and sciences	3
A simply synthesized biphenyl substituted piperidine-4-one for the fluorescence chemosensing of Cd	Poomalai S., Padinjareveetil A.K., Ramasamy S., Govindaraj T.S., Paulraj M.S., Enoch I.V.M.V.	Luminescence	2017	0	karunya institute of technology and sciences	1
Current trends in changing the channel in MOSFETs by III-V semiconducting nanostructures	John Chelliah C.R.A., Swaminathan R.	Nanotechnology Reviews	2017	0	karunya institute of technology and sciences	3
LDAP	Daniel E., Vasanthi N.A.	Cluster Computing	2017	0	karunya institute of technology and	1

					sciences	
Embedded implementation of a wearable food intake recognition system	Abisha P., Rajalakshmy P.	Proceedings of IEEE International Conference on Innovations in Electrical, Electronics, Instrumentation and Media Technology, ICIEEIMT 2017	2017	0	karunya institute of technology and sciences	1
Temperature based model for predicting global solar radiation using genetic algorithm	Meenal R., Immanuel Selvakumar A.	Proceedings of IEEE International Conference on Innovations in Electrical, Electronics, Instrumentation and Media Technology, ICIEEIMT 2017	2017	0	karunya institute of technology and sciences	1
A comprehensive study on distributed energy generation integration technology	Mahesh C., Josh F.T.	Proceedings of IEEE International Conference on Innovations in Electrical, Electronics, Instrumentation and Media Technology, ICIEEIMT 2017	2017	0	karunya institute of technology and sciences	1
Axial flux permanent magnet motor-driven battery powered electric vehicle with zeta	Jency Joseph J., Aruldoss Albert Victoire T., Joseph M.C., Josh F.T.	Proceedings of IEEE International Conference on Innovations in Electrical, Electronics, Instrum	2017	0	karunya institute of technology and sciences	1

converter		entation and Media Technology , ICIEEIMT 2017				
An efficient and improved multi-objective optimized replication management with dynamic and cost aware strategies in cloud computing data center	Edwin E.B., Umamaheswari P., Thanka M.R.	Cluster Computing	2017	0	karunya institute of technology and sciences	2
30 nm normally off enhancement mode AlGaN/GaN HEMT on SiC substrate for future high speed nanoscale power applications	Chander S., Ajay, Nirmal D., Gupta M.	Proceedings of IEEE International Conference on Innovations in Electrical, Electronics, Instrumentation and Media Technology , ICIEEIMT 2017	2017	0	karunya institute of technology and sciences	2
Wireless sensor networks based smart bin	Ramson S.R.J., Moni D.J.	Computers and Electrical Engineering	2017	0	karunya institute of technology and sciences	5
Processing and medicinal uses of cardamom and ginger - A review	Angeline Rajathi A., Allwyn Sundarraaj A., Leslie S., Pragalyaashree M.M.	Journal of Pharmaceutical Sciences and Research	2017	0	karunya institute of technology and sciences	1
Analyzing the effect	Anand L.D.V., Poongodi	International Journal of	2017	0	karunya institute of	1

of pre-heater in the temperature process	P., Jayakumar J., Hepsiba D.	Mechanical Engineering and Technology			technology and sciences	
Experimental study on the influence of the aspect ratio of square cavity on natural convection heat transfer with Al	Brusly Solomon A., van Rooyen J., Rencken M., Sharifpur M., Meyer J.P.	International Communications in Heat and Mass Transfer	2017	0	karunya institute of technology and sciences	2
Efficient visible-light photocatalytic and enhanced photocorrosion inhibition of Ag	Thangavel S., Thangavel S., Raghavan N., Alagu R., Venugopal G.	Journal of Physics and Chemistry of Solids	2017	0	karunya institute of technology and sciences	14
Attenuation of vibration in boring tool using spring controlled impact damper	Lawrance G., Sam Paul P., Varadarajan A.S., Paul Praveen A., Ajay Vasanth X.	International Journal on Interactive Design and Manufacturing	2017	0	karunya institute of technology and sciences	2
Surfactant effect on synthesis and electrochemical properties of nickel-doped magnesium oxide	Saravana kumar B., Muthulakshmi S., Ravi G., Ganesh V., Sakunthala A., Yuvakkumar R.	Applied Physics A	2017	0	karunya institute of technology and sciences	4
Electrodeposition of Nanocrystalline Nickel Coatings	Danilov F.I., Protsenko V.S., Kityk A.A.,	Protection of Metals and Physical Chemistry	2017	0	karunya institute of technology and sciences	2

from a Deep Eutectic Solvent with Water Addition	Shaiderov D.A., Vasil	of Surfaces				
Aloe vera	Ramanathan S., Elanthamilan E., Obadiah A., Durairaj A., Merlin J.P., Ramasundaram S., Vasantkumar S.	Journal of Materials Science	2017	0	karunya institute of technology and sciences	3
Structural and optical characterization of	Rherari A., Addou M., Haris M.	Journal of Materials Science	2017	0	karunya institute of technology and sciences	4
Synthesis, characterization and biological evaluation of Ru	Jone Kirubavathy S., Saranya J., Sathya N., Enoch I.V.M.V., Mosae Selvakumar P., Chitra S.	Applied Organometallic Chemistry	2017	0	karunya institute of technology and sciences	2
Hydrothermal synthesis of spherical NiCO	Saravankumar B., Priyadharsini T., Ravi G., Ganesh V., Sakunthala A., Yuvakkumar R.	Journal of Sol-Gel Science and Technology	2017	0	karunya institute of technology and sciences	7
Advanced topology to minimize leakage current grid-tied PV systems	Surendran S., Ajayan S., Sruthi S.	Proceedings of IEEE International Conference on Circuit, Power and Computing Technologies, ICCPCT	2017	0	karunya institute of technology and sciences	1

		2017				
Bandwidth improvement of a rear end slot antenna on a Substrate Integrated Waveguide cavity	Rekha S., Nesasudha M.	IOP Conference Series	2017	0	karunya institute of technology and sciences	1
An Improved Method to Control the Critical Parameters of a Multi variable Control System	Jims P.S.H., Dharmalingam S., Wessley G.J.J.	IOP Conference Series	2017	0	karunya institute of technology and sciences	1
Design and Optimization of Aerospikes using CFD	Naveen Kumar K., Gopalsamy M., Antony D., Krishnaraj R., Viswanadh C.B.V.	IOP Conference Series	2017	0	karunya institute of technology and sciences	1
An improved efficient	Thanka M.R., Uma Maheswari P., Edwin E.B.	Cluster Computing	2017	0	karunya institute of technology and sciences	1
A comprehensive overview on secure offloading in mobile cloud computing	Shibin D., Kathrine G.J.W.	Proceedings of 2017 4th International Conference on Electronics and Communication Systems, ICECS 2017	2017	0	karunya institute of technology and sciences	1
Linearization of low noise amplifier for	Radha S., Mathew J.	Proceedings of the International Conference	2017	0	karunya institute of technology and	3

wireless sensor networks		on Inventive Systems and Control, ICISC 2017			sciences	
Electro-organic synthesis of 2-	Elanthamilan E., Sarala L., Bella A., Sathiyana A., Sharmila Lydia I., Sundar Manoharan S., Princy Merlin J.	Electrochimica Acta	2017	0	karunya institute of technology and sciences	2
Histogram difference with Fuzzy rule base modeling for gradual shot boundary detection in video cloud applications	Kethsy Prabavathy A., Devi Shree J.	Cluster Computing	2017	0	karunya institute of technology and sciences	1
Model-Based MPPT for Shaded and Mismatched Modules of Photovoltaic Farm	Jeyaprabha S.B., Selvakumar A.I.	IEEE Transactions on Sustainable Energy	2017	0	karunya institute of technology and sciences	6
An experimental study on combined effects of glass fiber and Metakaolin on the rheological, mechanical, and durability properties of self-compacting	Sivakumar V.R., Kavitha O.R., Prince Arulraj G., Srisanthi V.G.	Applied Clay Science	2017	0	karunya institute of technology and sciences	5

concrete						
Contextual Medical Image Compression using Normalized Wavelet-Transform Coefficients and Prediction	Eben Sophia P., Anitha J.	IETE Journal of Research	2017	0	karunya institute of technology and sciences	2
Analysis of nanometer-scale InGaAs/InAs/InGaAs composite channel MOSFETs using high-K dielectrics for high speed applications	Ajayan J., Nirmal D., Prajoon P., Charles Pravin J.	AEU - International Journal of Electronics and Communications	2017	0	karunya institute of technology and sciences	21
Enhanced expression of tumour suppressor RAR-	Berlin Grace V.M., Reji R.M., Sundaram V.	Life Sciences	2017	0	karunya institute of technology and sciences	1
Design of circularly polarized planar monopole antenna with improved axial ratio bandwidth	Rekha S., Nesasudha M.	Microwave and Optical Technology Letters	2017	0	karunya institute of technology and sciences	1
A survey of Gallium Nitride HEMT for RF and high power applications	Fletcher A.S.A., Nirmal D.	Superlattices and Microstructures	2017	0	karunya institute of technology and sciences	13
Investigation of Ge based	Gracia D., Nirmal D., Nisha	Superlattices and Microstructures	2017	0	karunya institute of	4



double gate dual metal tunnel FET novel architecture using various hetero dielectric materials	Justeena A.	tures			technology and sciences	
Modal analysis of mwcnt reinforced aa5083 composite material	Samuel Ratna Kumar P.S., Robinson Smart D.S., John Alexis S., Sangeetha N., Ramanathan S.	International Journal of Civil Engineering and Technology	2017	0	karunya institute of technology and sciences	1
Optimum laplacian wavelet mask based medical image using hybrid cuckoo search	Daniel E., Anitha J., Gnanaraj J.	Knowledge-Based Systems	2017	0	karunya institute of technology and sciences	9
Layered Li	Kumar P.S., Sakunthala A., Rao R.P., Adams S., Chowdari B.V.R., Reddy M.V.	Materials Research Bulletin	2017	0	karunya institute of technology and sciences	2
Structural, optical and magnetic properties of Ba and Ni doped Cds thin films prepared by spray pyrolysis method	Murugesan R., Sivakumar S., Anandan P., Haris M.	Journal of Materials Science	2017	0	karunya institute of technology and sciences	3

Hexamine, PEG-400 effect on	Ramachandran S.P., Saravanakumar B., Ganesh V., Ravi G., Sakunthala A., Yuvakkumar R.	Journal of Materials Science	2017	0	karunya institute of technology and sciences	1
DC and microwave characteristics of 20 nm T-gate InAlN/GaN high electron mobility transistor for high power RF applications	Murugapandiyan P., Ravimaran S., William J., Ajayan J., Nirmal D.	Superlattices and Microstructures	2017	0	karunya institute of technology and sciences	3
Flow monitoring scheme for reducing congestion and packet loss in software defined networks	Sminessh C.N., Kanaga E.G.M., Ranjitha K.	2017 4th International Conference on Advanced Computing and Communication Systems, ICACCS 2017	2017	0	karunya institute of technology and sciences	3
Exponential synchronization of Lur	Rakkiyapan R., Velmurugan G., Nicholas George J., Selvamani R.	Applied Mathematics and Computation	2017	0	karunya institute of technology and sciences	14
Naphthalene based fluorescent chemosensor for Fe	Bhuvanesh N., Velmurugan K., Suresh S., Prakash P., John N., Murugan S., Daniel	Journal of Luminescence	2017	0	karunya institute of technology and sciences	7

	Thangadurai T., Nandhakumar R.					
Structural, optical and ammonia sensing properties of nanostructured ZnO thin films deposited by spray pyrolysis technique	Rajendra Prasad M., Haris M., Sridharan M.	Journal of Materials Science	2017	0	karunya institute of technology and sciences	3
Numerical study on convective heat transfer characteristics of silver/water nanofluid in minichannel	Bose J.R., Asirvatham L.G., Kumar T.M.N., Wongwises S.	Current Nanoscience	2017	0	karunya institute of technology and sciences	4
Catechol oxidase, phosphatase-like activity, DNA/BSA binding studies of Ru	Selvakumar P., Narayanasamy R., Nanjundan N., Velmurugan K., Nandhakumar R.	Journal of the Brazilian Chemical Society	2017	0	karunya institute of technology and sciences	1
SK-SVR	Jebadurai J., Peter J.D.	Pattern Recognition Letters	2017	0	karunya institute of technology and sciences	5
Optimal synthesis and kinematic analysis of adjustable four-bar linkages to generate	Ganesan G., Sekar M.	Mechanics Based Design of Structures and Machines	2017	0	karunya institute of technology and sciences	2

filleted rectangular paths						
Fault detection in PV systems Fault detection in PV systems	Jenitha P., Immanuel Selvakumar A.	Applied Solar Energy	2017	0	karunya institute of technology and sciences	2
Implementation of adaptive neuro fuzzy inference system for electro coagulation process to treat dye wastewater	Rajathi A.A., Jose P.S.H.	Indian Journal of Environmental Protection	2017	0	karunya institute of technology and sciences	1
Microstructure analysis of friction stir welded aa5083 and aa6061 aluminum alloys	Jannet S., Raja R.	International Journal of Mechanical Engineering and Technology	2017	0	karunya institute of technology and sciences	4
Synthesis, Characterization and Solvatochromic Studies Using the Solvent Polarity Parameter, ENT on 2-Chloro-3-Ethylamino-1,4-Naphthoquinone	Durairaj A., Obadiah A., Ramanathan S., Johnson P.M., Bella A.P., Vasanthkumar S.	Journal of Fluorescence	2017	0	karunya institute of technology and sciences	2
High Throughput AES Algorithm Using Parallel Subbytes	Sridevi Sathya Priya S., Karthigaikumar P., Sivamangai N.M.,	Wireless Personal Communications	2017	0	karunya institute of technology and sciences	1

and MixColumn	Rejula V.					
Applicat ion and Evaluation of Indepen dent Component Analysis Methods to Generalize d Seizure Disorder Activities Exhibited in the Brain	George S.T., Bala krishnan R., Johnson J.S., Jayakumar J.	Clinical EEG and Ne uroscience	2017	0	karunya institute of technology and sciences	3
Protective effect of Averrhoa bilimbi L. fruit extract on ulcerative colitis in wistar rats via regulation of inflamm atory mediators and cytokines	Suluvoy J.K., K.M. S., Guruva yoorappan G.C., V.M. B.G.	Biomedic ine and Ph armacother apy	2017	0	karunya institute of technology and sciences	6
Secured Self Organizing Network Ar chitecture in Wireless Personal Networks	Jyothirmai P., Raj J.S., Smys S.	Wireless Personal C ommunicati ons	2017	0	karunya institute of technology and sciences	1
Durability studies on polyethyle ne terepht halate	Krishnam oorthy M., Tensing D., Sivaraja M., Krishn araja A.R.	Internat ional Journal of Civil Engi neering and Technology	2017	0	karunya institute of technology and sciences	2
Emerging trends in high gain antennas for wireless c	Jose J.V., Rekh A.S.	Proceedi ngs of IEEE Inter national Conference on Innovat	2017	0	karunya institute of technology and sciences	1

ommunicati on		ions in El ectrical, Electronic s, Instrum entation and Media Technology , ICIEEIMT 2017				
Investig ation of breakdown performanc e in L	Ajayan J., Ravich andran T., Prajoon P., Pravin J.C., Nirmal D.	Journal of Computa tional Ele ctronics	2018	0	karunya institute of technology and sciences	3
Speed control of Switched Reluctance Motor using fractional order control	Jebarani Evangeline S., Venmathi K., Ajayan S.	Proceedi ngs of IEEE Inter national Conference on Innovat ions in El ectrical, Electronic s, Instrum entation and Media Technology , ICIEEIMT 2017	2017	0	karunya institute of technology and sciences	1
<a href="#">View File</a>						

### 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
A twostage queue model for contextaware task scheduling in mobile multimedia cloud environments	Peter J.D.	Advances in Intelligent Systems and Computing	2018	25	1	Karunya Institute of technology and Sciences
Brain signal based human emotion analysis by	Hemanth D.J., Anitha J	Computers and Electrical Engineering	2018	49	17	karunya Institute of technology and Sciences

circular back propagation and Deep Kohonen Neural Networks						
Assessment of SVM, empirical and ANN based solar radiation prediction models with most influencing input parameters	Selvakumar A.I.	Renewable Energy	2018	157	22	karunya Institute of technology and Sciences
Solar irradiance forecasting and energy optimization for achieving nearly net zero energy building	Manoj Kumar N.	Journal of Renewable and Sustainable Energy	2018	32	6	karunya Institute of technology and Sciences
Investigation of DC and RF Performance of Novel MOSHEMT on Silicon Substrate for Future Submillimetre Wave Applications	Ajayan J., Ravichandran T., Mohankumar P., Prajoon P., Pravin J.C., Nirmal D.	Semiconductors	2018	37	Nil	karunya Institute of technology and Sciences
Investigation on Structural, Morphological, Optical and Ammonia Sensing Properties	Rajendra Prasad M., Haris M., Sridharan M.	Sensing and Imaging	2018	17	Nil	karunya Institute of technology and Sciences

Indium Doped Nano Crystalline ZnO Thin Films Synthesized by Spray Pyrolysis Technique						
NH <sub>3</sub> sensing properties of surface modified Cdoped nanostructured ZnO thin films prepared by spray pyrolysis method	Prasad M.R., Haris M., Sridharan M.	Sensors and Actuators, A: Physical	2018	139	Nil	karunya Institute of technology and Sciences
A comprehensive review on iris imagebased biometric system	Winston J.J., Hemanth D.J.	Soft Computing	2018	64	Nil	karunya Institute of technology and Sciences
Hydrogen bonded charge transfer molecular salt (4chloro anilinium3nitrophenolate) for photophysical and pharmacological applications	Singarav elan K., Chandramohan A., Saravanabhavan M., Muthu Vijayan Enoch I.V., Suganthi V.S.	Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy	2017	104	Nil	karunya Institute of technology and Sciences
An IoT based modified graph cut segmentation with optimized adaptive connectivity and shape priors	Celestine A., Peter J.D.	Sustainable Computing: Informatics and Systems	2018	17	Nil	karunya Institute of technology and Sciences



IOT based sustainable diabetic retinopathy diagnosis system	Jemima Jebaseeli T., Anand Deva Durai C., Dinesh Peter J.	Sustainable Computing: Informatics and Systems	2018	17	Nil	karunya Institute of technology and Sciences
Heating and cooling capacity of phase change material coupled with screen mesh wick heat pipe for thermal energy storage applications	Palappan R.R., Pasupathy A.P., Asirvatham L.G., Tharayil T., Wongwises S.	Thermal Science	2018	33	Nil	karunya Institute of technology and Sciences
Evaluation on diabetic plantar pressure dataset employing autosegmentation technologies	Hemanth D.J.,	Neural Computing and Applications	2018	57	2	Karunya Institute of Technology and Sciences
Combustion, performance, and emission analysis of diesel engine fueled with water biodiesel emulsion fuel and nanoadditive	Vellaiyan S., Subbiah A., Chockalingam P.	Environmental Science and Pollution Research	2018	82	20	karunya Institute of technology and Sciences
Energy efficiency analysis of an existing building in a	Brema J.	Drug Invention Today	2018	12	Nil	Karunya Institute of technology and Sciences

semiarid region						
Interaction of a flavone loaded on surfacemodified dextran spooled superparamagnetic nanoparticles with $\beta$ -cyclodextrin and DNA	Enoch I.V.M.V.	Journal of Biomolecular Structure and Dynamics	2018	58	1	Karunya Institute of technology and Sciences
Airside performance of a microchannel heat exchanger in wet surface conditions	Srisomba R., Asirvatham L.G., Mahian O., Dalkilic A.S., Awad M.M., Wongwises S.	Thermal Science	2017	33	Nil	karunya Institute of technology and Sciences
Review on emerging applications of nanobiomaterials in dentistry and orthopaedics	Babu R.D., Prakash P., Devaprakasam D.	Trends in Biomaterials and Artificial Organs	2017	30	Nil	karunya Institute of technology and Sciences
Cystometry: the lowcost method for rural areas and its benefits	Gnanaraj J.	Tropical Doctor	2018	31	Nil	karunya Institute of technology and Sciences
Jackfruit taxonomy and waste utilization	Sundarraaj A.A., Ranganathan T.V.	Vegetos	2018	7	Nil	karunya Institute of technology and Sciences
Corrosion inhibition of mild steel in hydrochloric acid	Tamilarasi J., Joseph Kennady C., Velmurugan	Voprosy Khimii i Khimicheskoi Tekhnologii	2018	2	Nil	karunya Institute of technology and Sciences

c acid by using newly synthesized 3(1Hbenzo[d]imidazol-2-yl)quinoline-2-thiol	K.					
Influence of phydroxy benzaldehyde on the corrosion properties of NiW coating on mild steel	Pramod Kumar U., Saranya S., Parameswari K., Joseph Kennady C.	Voprosy Khimii i Khimicheskoi Tekhnologii	2017	2	Nil	karunya Institute of technology and Scikarunya Institute of technology and Sciences
State of art of the application of nano materials on the reduction of roughness coefficient in open channels	Muthukumar N., Prince Arulraj G.	Water and Energy International	2017	6	Nil	karunya Institute of technology and Sciences
Experimental model study on ultimate uplift capacity of vertical pile in sand	Saravanan R., Arumairaj P.D., Subramani T.	Water and Energy International	2017	6	Nil	karunya Institute of technology and Sciences
Dispersion analysis of magneto elastic plate of arbitrary crosssections immersed in fluid	Selvamani R.	World Journal of Engineering	2018	5	Nil	karunya Institute of technology and Sciences
Potential of	Mitra S., Das A., Sen	World Journal of Microbiolo	2018	76	Nil	karunya Institute of

metabolic engineering in bacterial nanosilver synthesis	S., Mahanty B.	gy and Bio technology				technology and Sciences
Fundus image vessel segmentation using PCNN model	Francis D., Jebaseeli J.	Proceedings of 2016 Online International Conference on Green Engineering and Technologies, ICGET 2016	2017	4	Nil	Karunya Institute of technology and Sciences
Biological Pretreatment of Lignocellulosic Biomaterials	Dey P.	Advances in Biofeedstocks and Biofuels	2017	Nil	1	Karunya Institute of technology and Sciences
A novel node collusion method for isolating sinkhole nodes in mobile ad hoc cloud	Rajsingh E.B	Advances in Intelligent Systems and Computing	2018	25	1	Karunya Institute of technology and Sciences
Bagoftasks intelligent scheduling agent (BISA) in cloud computing	Grace Mary Kanaga E.	Advances in Intelligent Systems and Computing	2018	25	1	Karunya Institute of technology and Sciences
Pure and cobalt substituted zinc ferrite magnetic ceramics for supercapacitor applications	Sakunthala A.	Applied Physics A: Materials Science and Processing	2018	Nil	1	Karunya Institute of technology and Sciences
Study of structural and electrochemical	Thangavel S	Applied Surface Science	2018	159	1	Karunya Institute of technology

properties of La <sub>2</sub> SrV <sub>2</sub> O <sub>9</sub> perovskites prepared using ball milling						and Sciences
Evaluation of enzymic and nonenzymic antioxidant levels in vernonia cinerea extracts	Abubakker N.	Asian Journal of Pharmaceutical and Clinical Research	2018	26	1	Karunya Institute of technology and Sciences
An effective approach to classify epileptic EEG signal using local neighborhood gradient pattern transformation methods	Thomas George S	Australian Physical and Engineering Sciences in Medicine	2018	27	1	Karunya Institute of technology and Sciences
Vitis vinifera peel and seed gold nanoparticles exhibit chemopreventive potential, antioxidant activity and induce apoptosis through mutant p53, Bcl2 and p21 downregulation in experimental animals	Narendhirakannan R.T.	Biomedicine and Pharmacotherapy	2017	78	1	Karunya Institute of technology and Sciences
Investig	Nirmal	IEEE	2018	100	1	Karunya

ation on SimulationBased Specific Absorption Rate in UltraWideband Antenna for Breast Cancer Detection	D.	Sensors Journal				Institute of technology and Sciences
Unwinding the Novel Genes Involved in the Differentiation of Embryonic Stem Cells into InsulinProducing Cells: A NetworkBased Approach	Vennila J.J.	Interdisciplinary Sciences: Computational Life Sciences	2017	15	1	Karunya Institute of technology and Sciences
CyclodextrinPEG conjugatewrapped magnetic ferrite nanoparticles for enhanced drug loading and release	Enoch I.V.M.V.	Applied Nanoscience (Switzerland)	2018	Nil	1	karunya Institute of technology and Sciences
The effect of cutting parameters on tool vibration during magnetorheological fluid controlled turning bar	Varadara jan A.S.	International Journal of Acoustics and Vibrations	2017	16	1	Karunya Institute of technology and Sciences
Optimization of internal	Smart D.S.R	International Journal of	2017	Nil	1	Karunya Institute of

grinding process parameters on C40E steel using Taguchi technique		Applied Engineering Research				technology and Sciences
Process optimization for evaluation of barrier properties of tapioca starch based biodegradable polymer film	Ranganathan T.V.	International Journal of Biological Macromolecules	2018	101	1	Karunya Institute of technology and Sciences
Rainfall trend analysis by Mann-Kendall test for Vamanapuram river basin, Kerala	Brema J.	International Journal of Civil Engineering and Technology	2018	18	1	Karunya Institute of technology and Sciences
Study on the behaviour of self curing concrete with manufactured sand using polyethylene glycol	Mercyshanthi R.	International Journal of Civil Engineering and Technology	2018	18	1	Karunya Institute of technology and Sciences
Performance of cylindrical and flattened heat pipes at various inclinations including repeatability in anti-gravity - A comparative study	Tharayil T., Asirvatham L.G.	Applied Thermal Engineering	2017	129	9	karunya Institute of technology and Sciences

Direct access to: N alkylated amines and imines via acceptorless dehydrogenative coupling catalyzed by a cobalt(ii)NNN pincer complex	Madhu V.	Catalysis Science and Technology	2018	86	9	karunya Institute of technology and Sciences
Trust based data prediction , aggregation and reconstruction using compressed sensing for clustered wireless sensor networks	Gilbert E.P.K., Kaliaperumal B., Rajsingh E.B., Lydia M.	Computers and Electrical Engineering	2018	49	9	karunya Institute of technology and Sciences
ModelBased MPPT for Shaded and Mismatched Modules of Photovoltaic Farm	Selvakumar A.I.	IEEE Transactions on Sustainable Energy	2017	85	9	karunya Institute of technology and Sciences
Effect of machining parameters on MRR and surface roughness in internal grinding using EN8, EN31 steel	Robinson Smart D.S.	International Journal of Applied Engineering Research	2017	25	9	karunya Institute of technology and Sciences
Overlapping community detection using superior seed set	Belfin R.V	Computers and Electrical Engineering	2018	49	1	Karunya Institute of technology and Sciences



selection in social networks						
A simply synthesized biphenyl substituted piperidine for the fluorescence chemosensing of Cd <sup>2+</sup>	Enoch I.V.M.V.	Luminescence	2017	40	2	Karunya Institute of Technology and Sciences
Influence of the Shroud Gas Injection Configuration on the Characteristics of a DC Nontransferred Arc Plasma Torch	Ramachandran K	Plasma Chemistry and Plasma Processing	2018	57	1	Karunya Institute of Technology and Sciences
A comprehensive overview on secure offloading in mobile cloud computing	Kathrine G.J.W.	Proceedings of 2017 4th International Conference on Electronics and Communication Systems, ICECS 2017	2017	Nil	1	Karunya Institute of Technology and Sciences
Embedded implementation of a wearable food intake recognition system	Rajalakshmy P.	International Conference on Innovations in Electrical, Electronics, Instrumentation and Media Technology, ICIEEIMT 2017	2017	Nil	1	Karunya Institute of Technology and Sciences
A comprehensive study on distributed energy	Josh F.T.	A comprehensive study on distributed energy	2017	Nil	1	Karunya Institute of Technology and

generation integration technology		generation integration technology				Sciences
Performance measures on blood pressure and heart rate measurement from PPG signal for biomedical applications	Anitha Mary X.	International Conference on Innovations in Electrical, Electronics, Instrumentation and Media Technology, ICIEEIMT 2017	2017	Nil	1	Karunya Institute of Technology and Sciences
Performance analysis of lithium batteries	Jayakumar J.	Proceedings of IEEE International Conference on Innovations in Electrical, Electronics, Instrumentation and Media Technology, ICIEEIMT 2017	2017	Nil	1	Karunya Institute of Technology and Sciences
Axial flux permanent magnet motor driven battery powered electric vehicle with zeta converter	Josh F.T.	International Conference on Innovations in Electrical, Electronics, Instrumentation and Media Technology, ICIEEIMT 2017	2017	Nil	1	Karunya Institute of Technology and Sciences
DPCM based compressor for capsule endoscopic videos	Chandy D.A.	International Conference on Signal Processing and Communication, ICSPC 2017	2017	Nil	1	Karunya Institute of Technology and Sciences
A survey on analysis	Anitha J.	International Conference	2017	Nil	1	Karunya Institute of

of STsegment to diagnose coronary artery disease		on Signal Processing and Communication, ICSPC 2017				Technology and Sciences
Vibration of thermomv composite multilayered hollow pipes	Selvamani R., Mahesh S.	Journal of Physics: Conference Series	2018	24	Nil	karunya Institute of technology and Sciences
Detection of Failure in Asynchronous Motor Using Soft Computing Method	Detection of Failure in Asynchronous Motor Using Soft Computing Method	Journal of Physics: Conference Series	2018	24	Nil	karunya Institute of technology and Sciences
Semi C fuzzy operator	Xavier P., Thangavelu P.	Journal of Physics: Conference Series	2018	24	Nil	karunya Institute of technology and Sciences
An element search ant colony technique for solving virtual machine placement problem	Srija J., Rani John R., Grace Mary Kanaga E.	Journal of Physics: Conference Series	2017	24	Nil	karunya Institute of technology and Sciences
Investigation on the structural and optical properties of sonochemically synthesized BiVO4 for photocatalytic degradation of methylene	Deebasree J.P., Maheskumar V., Vidhya B.	Journal of Materials Science: Materials in Electronics	2018	63	Nil	karunya Institute of technology and Sciences

blue						
Impact of sequential annealing on the characteristics of thermally evaporated semiconductor Cu <sub>2</sub> Se/ZnSe/Cu <sub>2</sub> Se sandwich structure	Nelson P.I., Kannan R.R., Mohan A., Rajesh S., Vidhya B.	Journal of Materials Science: Materials in Electronics	2018	63	Nil	karunya Institute of technology and Sciences
A novel MoS <sub>2</sub> structures for electrochemical detection of 4aminophenol	Ramasubramanian P.A., Thangavel S., Nallamuthu G., Kirabakaran K., Vasudevan V., Ravichandran K., Venugopal G.	Journal of Materials Science: Materials in Electronics	2018	63	Nil	karunya Institute of technology and Sciences
Erratum to: Crystallization of amorphous InSe matrix in PbTe-InSe multilayer nanocomposite structure (Journal of Materials Science: Materials in Electronics, (2017), 28, 18, (1361313619), 10.1007/s1085401772012)	Parvathi M.M., Arivazhagan V., Mohan A., Rajesh S.	Journal of Materials Science: Materials in Electronics	2017	63	Nil	karunya Institute of technology and Sciences
Aloe vera (L.)	Vasanthkumar S.	Journal of	2017	63	3	karunya Institute

Burm.f. extract reduced graphene oxide for supercapacitor application		Materials Science: Materials in Electronics				of technology and Sciences
Crystallization of amorphous InSe matrix in PbTe-InSe multilayer nanocomposite structure	Manonmani Parvathi M., Arivahagan V., Mohan A., Rajesh S.	Journal of Materials Science: Materials in Electronics	2017	63	Nil	karunya Institute of technology and Sciences
Convective heat transfer analysis of refined kerosene with alumina particles for rocketry application	Sundararaj A.J., Pillai B.C., Asirvatham L.G.	Journal of Materials Science: Materials in Electronics	2018	40	Nil	karunya Institute of technology and Sciences
Study to compare the effect of different registration methods on patient setup uncertainties in cone beam computed tomography during volumetric modulated arc therapy for breast cancer patients	Mohandass P., Khanna D., Kumar T.M., Thiyagaraj T., Saravanan C., Bhalla N.K., Puri A.	Journal of Medical Physics	2018	19	Nil	karunya Institute of technology and Sciences
Validation of a	Mohandass P., Khanna	Journal of Medical Physics	2018	19	Nil	karunya Institute of

software upgrade in a monte carlo treatment planning system by comparison of plans in different versions	D., Manigandan D., Bhalla N.K., Puri A.					technology and Sciences
Pulsed laser deposited hexagonal wurzite ZnO thinfilm nanostructures/nanotextures for nanophotonics applications	John Chelliah C.R.A., Swaminathan R.	Journal of Nanophotonics	2018	34	Nil	karunya Institute of technology and Sciences
Nanotechnology approach in food packaging Review	Gokularaman S., Stalin Cruz A., Pragalyaashree M.M., Nishadh A.	Journal of Pharmaceutical Sciences and Research	2017	24	Nil	karunya Institute of technology and Sciences
A simplified stochastic SMP model on beacon message dissemination	C.Bazil W., M.Selva R., P.Evan zalin E.	Journal of Physics: Conference Series	2018	24	Nil	karunya Institute of technology and Sciences
A result on Ulam stability impulsive neutral differential equation	George S., Kavitha V., Grayna J.	Journal of Physics: Conference Series	2018	24	Nil	karunya Institute of technology and Sciences
On Neutrosophic bopen sets in Neutrosophic topological space	Ebenanjar P.E., Immaculate H.J., Wilfred C.B.	Journal of Physics: Conference Series	2018	24	Nil	karunya Institute of technology and Sciences
Instance selection	Suganthi M., Karuna	Cluster Computing	2018	35	3	karunya Institute

and feature extraction using cuttlefish optimization algorithm and principal component analysis using decision tree	karan V.						of technology and Sciences
An improved salient object detection algorithm combining background and foreground connectivity for brain image analysis	Hemanth D.J.	Computers and Electrical Engineering	2018	49	3		karunya Institute of technology and Sciences
Cytotoxicity and apoptotic cell death induced by Vitis vinifera peel and seed extracts in A431 skin cancer cells	Narendhirakannan R.T.	Cytotechnology	2018	52	3		karunya Institute of technology and Sciences
Experimental Investigation on Performance and Emission Characteristics of a Common Rail Direct Injection Engine Using	Jawahar C.P.,	Energy Procedia	2017	63	3		karunya Institute of technology and Sciences

Animal Fat Biodiesel Blends						
Hybrid multilevel DC link inverter with reduced power electronic switches	Jegathesan V.	Energy Procedia	2017	63	3	karunya Institute of technology and Sciences
CyclodextrinPEG conjugate wrapped magnetic ferrite nanoparticles for enhanced drug loading and release	Enoch I.V.M.V	Applied Nanoscience (Switzerland)	2018	Null	1	Karunya Institute of technology and Sciences
Structural insights on bioremediation of polycyclic aromatic hydrocarbons using microalgae: a modelling based computational study	Suresh Kumar P., Thomas J	Environmental Monitoring and Assessment	2018	91	Null	Karunya Institute of technology and Sciences
Integrated ANNGA Approach for Predictive Modeling and Optimization of Grinding Parameters with Surface Roughness As the Response	Wins K.L.D	Materials Today: Proceedings	2018	18	1	Karunya Institute of Technology and Sciences
Manufact	Christy		2018	21	2	karunya



ure and characterization of a novel agrowaste based low cost metal matrix composite (MMC) by compocasting	T.V.	Materials Research Express				Institute of technology and Sciences
Incorporation of chicken eggshell powder into biscuits	Wesley J., Renitta R.E.	Drug Invention Today	2018	12	Nil	Karunya Institute of technology and Sciences
Morinda citrifolia L. (Noni) as a free radical scavenger and an anticancer agent	Jesse Joel T	Drug Invention Today	2018	12	Nil	Karunya Institute of technology and Sciences
Curtailed recombination rate and fast carrier transport in ZnPc/GaAs/ZnPc stacked hybrid structure	Rajesh S	Optical Materials	2018	92	1	Karunya Institute of Technology and Sciences
First report of colletotrichum siamense causing anthuracnose of cliff banana in India	Kumar V.S.	Plant Disease	2017	95	1	Karunya Institute of Technology and Sciences
Superresolution of retinal images using multi kernel	Dinesh Peter J.	Future Generation Computer Systems	2018	93	6	karunya Institute of technology and Sciences

SVR for IoT healthcare applications						
Early callus induction and batch kinetics studies for in vitro production of triterpenoids in suspension cultures of Euphorbia hirta Linn	David Paul Raj R.S.	Drug Invention Today	2018	12	Nil	Karunya Institute of technology and Sciences
Solidstate synthesis and electrical conductivity properties of Ba3SrTa2O9 complex perovskite	Gouthami N.	Materials Characterization	2017	80	1	Karunya Institute of Technology and Sciences
Influence of heat treatment on the properties of thermally evaporated copper selenide thin films	Vidhya B	Materials Letters	2018	124	1	Karunya Institute of Technology and Sciences
A practical streaming approximate matrix multiplication algorithm	Francis D.P., Raimond K.	Journal of King Saud University Computer and Information Sciences	2018	19	Nil	karunya Institute of technology and Sciences
Quantitative structure	Alam Md.A.	Drug Invention Today	2018	12	Nil	Karunya Institute of

activity relationship predictive models for antimicrobial agent through machine learning on high throughput screening of noscapine derivatives						technology and Sciences
Comprehensive review on cellulose and microcrystalline cellulose from agroindustrial wastes	Ranganathan T.V.	Drug Invention Today	2018	12	Nil	Karunya Institute of technology and Sciences
Estimation of uplift capacity of vertical Pile in cohesionless soil under uplift load	Arumairaj P.D	Ecology, Environment and Conservation	2018	11	Nil	Karunya Institute of technology and Sciences
Experimental analysis of properties of a biolubricant derived from palm kernel oil	Sekar M.	International Conference in Emerging Trends in Engineering, Science and Technology, ICETEST 2018	2018	Nil	Nil	Karunya Institute of technology and Sciences
FOPID based MPPT for photovoltaic system	Immanuel Selvakumar A.	Part A: Recovery, Utilization and Environmental Effects	2018	37	Nil	Karunya Institute of technology and Sciences

Analysis of an ultra miniature capsule antenna for gastro intestinal endoscopy	Mary Neebha T., Nesasudha M	Engineering Science and Technology, an International Journal	2018	29	Nil	Karunya Institute of technology and Sciences
Influence of rotation on transversely isotropic piezoelectric rod coated with a thin film	Selvamani R	Engineering Transactions	2018	Nil	Nil	Karunya Institute of technology and Sciences
Thermal Management of Electronic Devices Using Combined Effects of Nanoparticle Coating and Graphene Water Nanofluid in a Miniature Loop Heat Pipe	Asirvatham L.G.	IEEE Transactions on Components, Packaging and Manufacturing Technology	2018	39	3	karunya Institute of technology and Sciences
Contextual Medical Image Compression using Normalized Wavelet Transform Coefficients and Prediction	Anitha J.	IETE Journal of Research	2017	20	3	Karunya Institute of technology and Sciences
Temperature induced CuInSe <sub>2</sub> nanocrystal formation	Rajesh S.	Superlattices and Microstructures	2017	66	2	Karunya Institute of technology and Sciences

in the Cu <sub>2</sub> SeIn <sub>3</sub> Se <sub>2</sub> multilayer thin films						
Adsorptive removal of carbamazepine and diazepam in iron oxide nanoparticles amended sand column mimicking managed aquifer recharge	Mahanty B	Water (Switzerland)	2017	33	2	Karunya Institute of technology and Sciences
Mechanical characterization of graphite and CNT reinforced aluminium5083	Smart D.S.R.	Materials Science Forum	2017	68	2	karunya Institute of technology and Sciences
An Efficient Hardware Architecture for High Throughput AES Encryptor Using MUX Based Sub Pipelined SBox	Siva Mangai N.M	Wireless Personal Communications	2017	48	2	Karunya Institute of technology and Sciences
Dual Functional Fluorescent Chemosensor for Discriminative Detection of Ni <sup>2+</sup> and Al <sup>3+</sup> Ions and Its Imaging in Living Cells	Nandhakar R.	ACS Sustainable Chemistry and Engineering	2018	Nil	1	Karunya Institute of technology and Sciences

Study of pore structure of silica fume concrete for optimum replacement	Joe Paulson A.	International Journal of Civil Engineering and Technology	2018	18	1	Karunya Institute of technology and Sciences
One pot reflux synthesis of reduced graphene oxide decorated with silver/cobalt oxide: A novel nano composite material for high capacitance applications	Nesaraj A.S.	One pot reflux synthesis of reduced graphene oxide decorated with silver/cobalt oxide: A novel nano composite material for high capacitance applications	2018	Nil	1	Karunya Institute of technology and Sciences
Alternate deflation and inflation of search space in reweighted sampling: An effective variable selection approach for PLS model	Mahanty B.	Chemometrics and Intelligent Laboratory Systems	2018	109	1	Karunya Institute of technology and Sciences
Detection of Epileptic EEG Signal Using Improved Local Pattern Transformation Methods	Subathra M.S.P.	Circuits, Systems, and Signal Processing	2018	45	1	Karunya Institute of technology and Sciences
Context aware adaptive	Peter J.D.	Cluster Computing	2018	35	1	Karunya Institute of

resource provisioning for mobile clients in intracloud environment						technology and Sciences
Continuous health monitoring using smartphonesA case study for monitoring diabetic patients in UAE	Paul S	International Conference on Innovations in Information Technology , IIT 2016	2017	3	1	Karunya Institute of technology and Sciences
Computational analysis of three blade vertical axis wind turbine	Kumar N.M	Progress in Industrial Ecology	2018	19	1	Karunya Institute of technology and Sciences
Design of D shaped plasmon-photonic crystal fiber for biosensing application	Vinoth Kumar K	Results in Physics	2018	27	1	Karunya Institute of technology and Sciences
Investigation of efficiency enhancement in InGaN MQW LED with compositionally step graded GaN /InAlN/GaN multilayer barrier	Rajesh S., Nirmal D.	Superlattices and Microstructures	2018	66	1	Karunya Institute of technology and Sciences
Degradation kinetics of anthocyanin	Pragalya ashree M.M., Tiroutchelvame D.,	Journal of Applied Pharmaceutical Science	2018	28	Nil	Karunya Institute of technology and

extracted from roselle calyces (Hibiscus sabdariffa)	Sashikumar S.					Sciences
Unprecedented cyclization of $\alpha$ -diazo hydrazones upon NH functionalization: A Et <sub>3</sub> N base promoted onestep synthetic approach for the synthesis of Naminol, 2,3-triazole derivatives from $\alpha$ -diazo hydrazone	Vasanthkumar S.	Tetrahedron	2017	209	1	Karunya Institute of technology and Sciences
Effect of two different rubbers as secondary binders on the friction and wear characteristics of non-asbestos organic (NAO) brake friction materials	Christy T.V.	Tribology Materials, Surfaces and Interfaces	2018	11	1	Karunya Institute of technology and Sciences
An efficient forward secure authenticated encryption scheme with ciphertext authentication based on two	Rajsingh E.B., Silas S.	Advances in Intelligent Systems and Computing	2018	25	Nil	Karunya Institute of technology and Sciences



hard problems						
An innovated SIRS model for information spreading	Grace Mary Kanaga E.	Advances in Intelligent Systems and Computing	2018	25	Nil	Karunya Institute of technology and Sciences
A random fourier features based streaming algorithm for anomaly detection in large datasets	Raimond K.	Advances in Intelligent Systems and Computing	2018	25	Nil	Karunya Institute of technology and Sciences
An intrusion detection system using correlation, prioritization and clustering techniques to mitigate false alerts	Kathrine G.J.W.	Advances in Intelligent Systems and Computing	2018	25	Nil	Karunya Institute of technology and Sciences
Power analysis and implementation of lowpower design for test architecture for UltraSPARC chip multi processor	Moni D.J	Advances in Intelligent Systems and Computing	2018	25	Nil	Karunya Institute of technology and Sciences
Development of single and multijet conical nozzle based open jet facility for cold	Kumar N.M.	Advances in Intelligent Systems and Computing	2018	25	Nil	Karunya Institute of technology and Sciences

jet simulation						
Environment description for blind people	Hemanth D.J	Advances in Intelligent Systems and Computing	2018	25	Nil	Karunya Institute of technology and Sciences
Application of Pseudo 2D hidden Markov model for hand gesture recognition	Jude Hemanth D.	Advances in Intelligent Systems and Computing	2018	25	Nil	Karunya Institute of technology and Sciences
Synthesis and characterization of cotton fiberbased nanocellulose	Theivasanthi T., Anne Christma F.L., Toyin A.J., Gopinath S.C.B., Ravichandran R.	International Journal of Biological Macromolecules	2018	101	16	karunya Institute of technology and Sciences
ABC algorithm based optimization of 1D hidden Markov model for hand gesture recognition applications	Hemanth D.J.	Computers in Industry	2018	87	1	Karunya Institute of technology and Sciences
Bioingredients: functional properties and health impacts	Thottiam Vasudevan R.	Current Opinion in Food Science	2018	21	1	Karunya Institute of technology and Sciences
Impact of information technology on the job satisfaction of LIS professionals: A	Dominic J.	DESIDOC Journal of Library and Information Technology	2018	8	1	Karunya Institute of technology and Sciences

case study of Jammu Kashmir						
Extraction and quantification of lutein from sweet potato leaves (Ipomoea batatas)	Pragalya ashree M.M	Drug Invention Today	2018	12	1	Karunya Institute of technology and Sciences
A review on cellulose and its utilization from agroindustrial waste	Ranganathan T.V.	Drug Invention Today	2018	12	1	Karunya Institute of technology and Sciences
A review of nano particle application in water treatment	Aishwarya, Chellaiah G	International Journal of Civil Engineering and Technology	2018	18	2	karunya Institute of technology and Sciences
Bagof tasks intelligent scheduling agent (BISA) in cloud computing	Grace Mary Kanaga E.	Advances in Intelligent Systems and Computing	2018	25	1	karunya Institute of technology and Sciences
Application of classical step response method to determine the pid controller parameters for A 500 MW steam generator in a thermal power plant	Subha Hency Jims P., Jayakumar J.	Pakistan Journal of Biotechnology	2017	7	2	karunya Institute of technology and Sciences
Dual Functional	Prabhu J.	ACS Sustainable	2018	65	1	karunya Institute

Fluorescent Chemosensor for Discriminative Detection of Ni <sup>2+</sup> and Al <sup>3+</sup> Ions and Its Imaging in Living Cells		Chemistry and Engineering				of technology and Sciences
Biological Pretreatment of Lignocellulosic Biomaterials	Saggi S.K., Gupta G., Dey P.	Advances in Biofeedstocks and Biofuels	2017	Nil	1	karunya Institute of technology and Sciences
A novel node collusion method for isolating sinkhole nodes in mobile ad hoc cloud	Rajsingh E.B.,	Advances in Intelligent Systems and Computing	2018	25	1	karunya Institute of technology and Sciences
Current collapse modeling in AlGa <sub>N</sub> /Ga <sub>N</sub> HEMT using small signal equivalent circuit for high power application	Nirmal D.	Superlattices and Microstructures	2018	66	3	karunya Institute of technology and Sciences
DC and microwave characteristics of 20 nm Tgate InAlN/GaN high electron mobility transistor for high power RF applications	Nirmal D.	Superlattices and Microstructures	2017	66	3	karunya Institute of technology and Sciences

Impact of leakage current in germanium channel based DMDG TFET using draingate underlap technique	Nirmal D., Moni D.J.	AEU International Journal of Electronics and Communications	2018	48	2	karunya Institute of technology and Sciences
Evaluation of enzymic and nonenzymic antioxidant levels in vernonia cinerea extracts	Abubakker N.	Asian Journal of Pharmaceutical and Clinical Research	2018	26	1	karunya Institute of technology and Sciences
Differential Metal Ion Sensing by an Antipyrine Derivative in Aqueous and $\beta$ Cyclodextrin Media: Selectivity Tuning by $\beta$ Cyclodextrin	Enoch I.V.M.V	Analytical Chemistry	2018	305	2	karunya Institute of technology and Sciences
Synthesis, spectral, structural characterization and biological activity of new palladium(II) complexes containing 3acetyl8methoxy2Hchromen2one derived Schiff bases	Rex Jeya Rajkumar S	Applied Organometallic Chemistry	2018	66	2	karunya Institute of technology and Sciences
Synthesis,	Enoch I.V.M.V.,	Applied Organometa	2017	66	2	karunya Institute

characterization and biological evaluation of Ru(III) mercaptopyrimidine Schiff base complexes	Mosae Selvakumar P.	llic Chemistry				of technology and Sciences
Numerical study on convective heat transfer characteristics of silver/water nanofluid in minichannel	Asirvatham L.G.	Current Nanoscience	2017	37	4	karunya Institute of technology and Sciences
Fault detection in PV systems, characterization and biological evaluation of Ru(III) mercaptopyrimidine Schiff base complexes	Immanuel Selvakumar A.	Applied Solar Energy (English translation of Geliote khnika)	2017	11	2	karunya Institute of technology and Sciences
Folate molecular encapsulator tethered biocompatible polymer grafted with magnetic nanoparticles for augmented drug delivery	Enoch I.V.M.V.	Artificial Cells, Nanomedicine and Biotechnology	2018	35	2	karunya Institute of technology and Sciences
Hybrid orbit propagator for small spacecraft using kust	Sharma R.K.	Journal of Spacecraft and Rockets	2018	68	1	Karunya Institute of Technology and Sciences

aanheimost iefel elements						
Nontoxic and non te ratogenic extract of Thuja orientalis L. inhibited angiogenes is in zebra fish and suppressed the growth of human lung cancer cell line	Srividya S.	Biomedic ine and Ph armacother apy	2018	78	2	karunya Institute of technology and Sciences
A study on factors influencin g adoption of technology and innovation in banking industry, tamilnadu, India	Jublee D.	Internat ional Journal of Mechanical Engineerin g and Technology	2018	13	2	karunya Institute of technology and Sciences
Influence of combustion chamber pressure on injector p erformance	Sunny K.A	Internat ional Journal of Mechanical Engineerin g and Technology	2018	13	2	karunya Institute of technology and Sciences
Analyzing the effect of preheater in the tem perature process	Jayakumar J., Hepsiba D.	Internat ional Journal of Mechanical Engineerin g and Technology	2017	13	2	karunya Institute of technology and Sciences
Packaging in MEMS pi ezoresisti ve acceler ometers: A	Sekar M.,	Internat ional Journal of Mechanical Engineerin g and	2017	13	2	karunya Institute of technology and Sciences

review		Technology				
Investigation of the visible light photocatalytic activity of BiVO <sub>4</sub> prepared by sol gel method assisted by ultrasonication	Maheskumar V., Vidhya B.	Ultrasonics Sonochemistry	2018	109	7	karunya Institute of technology and Sciences
Investigation of photocatalytic performances of sulfur based reduced graphene oxideTiO <sub>2</sub> nanohybrids	Venugopal G.	Applied Surface Science	2018	159	6	karunya Institute of technology and Sciences
Power generation from combusted Syngas using hybrid thermoelectric generator and forecasting the performance with ANN technique	Jayakumar J., Asirvatham L.G	Journal of Thermal Engineering	2018	7	1	Karunya Institute of Technology and Sciences
Development of a low calorie, high energy fruit bar	Philip R.S., Peter D.	International Journal of Mechanical Engineering and Technology	2018	13	Nil	Karunya Institute of technology and Sciences
A halochromic stimuli-responsive reversible fluorescence	Madhu V., Anthony S.P.	Optical Materials	2017	92	13	karunya Institute of technology and Sciences



switching 3, 4, 9, 10perylene tetracarboxylic acid dye for fabricating rewritable platform						
Solving the binpacking problem by means of tissue P system with 2division	Chandy D.A	Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics)	2017	Nil	1	Karunya Institute of Technology and Sciences
Context aware adaptive resource provisioning for mobile clients in intracloud environment	Peter J.D., Surya S.	Cluster Computing	2018	35	1	karunya Institute of technology and Sciences
LDAP: a lightweight deduplication and auditing protocol for secure data storage in cloud environment	Daniel E., Vasanthi N.A.	Cluster Computing	2017	35	1	karunya Institute of technology and Sciences
Histogram difference with Fuzzy rule base modeling for gradual shot boundary	Kethsy Prabavathy A., Devi Shree J.	Cluster Computing	2017	35	1	karunya Institute of technology and Sciences

detection in video cloud applications						
Overlapping community detection using superior seed set selection in social networks	Belfin R.V.	Computers and Electrical Engineering	2018	49	1	karunya Institute of technology and Sciences
ABC algorithm based optimization of 1D hidden Markov model for hand gesture recognition applications	Sagayam K.M., Hemanth D.J.	Computers in Industry	2018	87	1	karunya Institute of technology and Sciences
Bioingredients: functional properties and health impacts	Thottiam Vasudevan R.	Current Opinion in Food Science	2018	21	1	karunya Institute of technology and Sciences
In situ synthesis of Co <sub>3</sub> O <sub>4</sub> /graphite nanocomposite for high performance supercapacitor electrode applications	Gopalakrishnan M	Applied Surface Science	2017	159	22	karunya Institute of technology and Sciences
A comparative study on various state of the Art face recognition techniques under	Bala J.	International Arab Journal of Information Technology	2017	22	9	karunya Institute of technology and Sciences

varying facial expressions						
A novel decision support for composite sketch matching using fusion of probabilistic neural network and dictionary matching	Bala J.G.	Current Medical Imaging Reviews	2017	22	6	karunya Institute of technology and Sciences
Palm biodiesel prospect in the Indonesian power sector	Gobikrishnan S	Environmental Technology and Innovation	2017	14	5	karunya Institute of technology and Sciences
Investigations on the structural, optical and visible light photocatalytic activity of Cu <sub>3</sub> SnS <sub>4</sub> prepared by mechanical alloying	Vidhya B.	Journal of Materials Science: Materials in Electronics	2017	63	3	Karunya Institute of technology and Sciences
Investigation on the morphology and photocatalytic activity of Cu <sub>3</sub> SnS <sub>4</sub> synthesized by ball milling and solvothermal method	Vidhya B.	Journal of Photochemistry and Photobiology A: Chemistry	2017	145	2	Karunya Institute of technology and Sciences
Synthesis	Vasanthkumar S.	Journal of Saudi	2017	34	2	Karunya Institute

of chemical and electrochemical 'off-on-off' fluorescent switches of new 5Hbenzo[b]carbazole6,11dione derivatives		Chemical Society					of technology and Sciences
Catechol oxidase, phosphatase like activity, DNA/BSA binding studies of Ru II complexes of Sallyldithiocarbamate: synthesis and spectral studies	Nandhakumar R.	Journal of the Brazilian Chemical Society	2017	61	2		Karunya Institute of technology and Sciences
A simply synthesized biphenyl substituted piperidine <sup>4</sup> one for the fluorescence chemosensing of Cd <sup>2+</sup>	nochi I.V.M.V	Luminescence	2017	104	2		Karunya Institute of technology and Sciences
Mechanical characterization of graphite and CNT reinforced aluminium <sup>5083</sup>	mart D.S.R	Materials Science Forum	2017	68	2		Karunya Institute of technology and Sciences
Near perfect path generation of corners chamfered rectangle	Ganesan G.,	Mechanics Based Design of Structures and Machines	2017	30	2		Karunya Institute of technology and Sciences

and single synthesis camlink mechanism to generate special slot path						
Effective client driven three level rate adaptation (TLRA) approach for adaptive HTTP streaming	Jayakumar J.	Multimedia Tools and Applications	2017	52	2	Karunya Institute of technology and Sciences
A uniform family of tissue P systems with protein on cells solving 3 coloring in linear time	Christinal A.H.	Natural Computing	2018	34	2	Karunya Institute of technology and Sciences
$(?1, ?2)P$ pseudo almost automorphic solutions of fractional order neutral integrodifferential equations	Kavitha V	Nonlinear Studies	2018	27	2	Karunya Institute of technology and Sciences
Application of classical step response method to determine the pid controller parameters for A 500	Subha Hency Jims P	Pakistan Journal of Biotechnology	2017	7	2	Karunya Institute of technology and Sciences

MW steam generator in a thermal power plant						
Measurement of the thermophysical properties of Al <sub>2</sub> O <sub>3</sub> /glycerin (G13) nanofluid for automotive radiator cooling applications	Asirvatham L.G., Kumar T.M.N	Proceedings of IEEE International Conference on Innovations in Electrical, Electronics, Instrumentation and Media Technology, ICIEEIMT 2017	2017	14	2	Karunya Institute of technology and Sciences
Layered Li <sub>1-x</sub> (Ni <sub>0.33</sub> Co <sub>0.33</sub> Mn <sub>0.33</sub> )O <sub>2</sub> cathode material prepared by microwave assisted solvothermal method for lithium ion batteries	Sakunthala A	Materials Research Bulletin	2017	96	3	karunya Institute of technology and Sciences
Hexamine, PEG400 effect on MoO <sub>3</sub> nano particle synthesis for pseudocapacitance applications	Sakunthala A.	Journal of Materials Science: Materials in Electronics	2017	63	3	karunya Institute of technology and Sciences
Reduced RAR? gene expression in Benzo(a)Pyrene induced lung	Berlin Grace V.M.	Gene	2018	164	2	karunya Institute of technology and Sciences

cancer mice is up regulated by DOTAP lipoATRA treatment						
Influence of reducing agent concentration on the structure, morphology and ferromagnetic properties of hematite ( $\alpha$ -Fe <sub>2</sub> O <sub>3</sub> ) nanoparticles	Sakunthala A.	Journal of Materials Science: Materials in Electronics	2017	63	3	karunya Institute of technology and Sciences
Effect of nano TiO <sub>2</sub> particles on microhardness and microstructural behavior of AA7068 metal matrix composites	Vijay S.J., Selvaraj D.P.	Ceramics International	2018	89	2	karunya Institute of technology and Sciences
Unusual attempt to direct the growth of bimetallic Ag@Pt nanorods on electrochemically reduced graphene oxide nanosheets by electrodeless exchange of Cu by Pt for an efficient alcohol oxidation	Selvaraju T.	Journal of Nanoparticle Research	2017	108	3	karunya Institute of technology and Sciences

Nonspecific amplification of human DNA by Streptococcus pneumoniae LytA primer	Thangamony H.H., Kumar R., Thangavelu C.P	Indian Journal of Medical Microbiology	2018	41	Nil	Karunya Institute of technology and Sciences
Comparative Studies of Microwave and Sol-Gel Assisted Combustion Methods of NiFe <sub>2</sub> O <sub>4</sub> Nanostructures: Synthesis, Structural, Morphological, Optical, and Antimicrobial Activity	Suresh S.	Journal of Superconductivity and Novel Magnetism	2017	39	3	karunya Institute of technology and Sciences
Electroorganic synthesis of 2(4,5-diphenyl-1H-imidazol-2-yl)phenol in aqueous medium for organic monomer based Supercapacitor electrode	Sarala L	Electrochimica Acta	2017	211	4	karunya Institute of technology and Sciences
Fusion of artificial neural networks for learning capability enhancement: Application to medical image classification	Hemanth J.D., Anitha J.	Expert Systems	2017	32	4	karunya Institute of technology and Sciences



Resource aware virtual machine migration in IoT cloud	Peter J.D.	Future Generation Computer Systems	2018	93	4	karunya Institute of technology and Sciences
Experimental study on the influence of the aspect ratio of square cavity on natural convection heat transfer with Al <sub>2</sub> O <sub>3</sub> /Water nanofluids	Brusly Solomon A	International Communications in Heat and Mass Transfer	2017	86	4	karunya Institute of technology and Sciences
Experimental Investigation on the Performance of a Parallel Plate Based Active Magnetic Regenerator	Asirvatham L.G.	International Journal of Air Conditioning and Refrigeration	2018	9	4	karunya Institute of technology and Sciences
Modeling of Elastic Waves in a Fluid Loaded and Immersed Piezoelectric Hollow Fiber	Selvamani R.	International Journal of Applied and Computational Mathematics	2017	2	4	karunya Institute of technology and Sciences
Hand posture and gesture recognition techniques for virtual reality applications : a survey	Sagayam K.M., Hemanth D.J.	Virtual Reality	2017	37	14	karunya Institute of technology and Sciences
A twostage	Peter J.D.	Advances in Intelli	2018	25	1	karunya Institute

queue model for contextaware task scheduling in mobile multimedia cloud environments		gent Systems and Computing				of technology and Sciences
ATRA entrapped in DSPC liposome enhances antimetastasis effect on lung and liver during B16F10 cell line metastasis in C57BL6 mice	Berlin Grace V.M.	AntiCancer Agents in Medicinal Chemistry	2017	82	1	karunya Institute of technology and Sciences
Bioprospecting marine actinomycetes for multidrug resistant pathogen control from Rameswaram coastal area, Tamil Nadu, India	Subramaniam K.	Archives of Microbiology	2018	94	1	karunya Institute of technology and Sciences
DSPC/Cholesterol Nanoformulated 9cisRetinoic Acid has Potent Therapeutic Effect on A549 Cell Line	Berlin Grace V.M	Indian Journal of Pharmaceutical Sciences	2018	50	Nil	Karunya Institute of technology and Sciences
Exploring the structure and	Abiram A., Praveena G.	Indian Journal of Pure and Applied Physics	2018	34	Nil	Karunya Institute of technology and

stability of ?dipeptide - A quantum chemical and molecular dynamics study						Sciences
Solving the 3COL problem by using tissue P systems without environment and proteins on cells	Christinal H.A	Information Sciences	2018	154	Nil	Karunya Institute of technology and Sciences
Prediction of fusion based tool wear with signals from inbuilt sensor turning tool	Sam Paul P., Shylu D.S	International Journal of Advanced Mechatronic Systems	2017	13	Nil	Karunya Institute of technology and Sciences
3Acetyl8 methoxy2[H]chromen2one derived Schiff bases as potent antiproliferative agents: Insight into the influence of 4(N)substituents on the in vitro biological activity	Rex Jeya Rajkumar S	Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy	2018	104	4	karunya Institute of technology and Sciences
Fluorenone based fluorescent probe for	Nandhakumar R.	Spectrochimica Acta Part A: Molecular	2018	104	4	karunya Institute of technology and

selective "turnon" detection of pyrophosphate and alanine		and Biomolecular Spectroscopy				Sciences
Rhodium catalyzed synthesis of 2,3 - Disubstituted N-methoxy pyrroles and furans via [3+2] cycloaddition between metal carbenoids and activated olefins	Vasanthkumar S., Emmanuvel L.	Tetrahedron	2017	209	4	karunya Institute of technology and Sciences
Effect of quantum confinement in CdSe/Se multilayer thin films prepared by PVD technique	Melvin David Kumar M.	Materials Science in Semiconductor Processing	2017	49	3	karunya Institute of technology and Sciences
Optimization of cutting force of duplex stainless steel in dry milling operation	Selvaraj D.P.	Materials Today: Proceedings	2017	18	3	karunya Institute of technology and Sciences
Protective effect of Averrhoa bilimbi L. fruit extract on ulcerative colitis in wistar rats via regulation of inflamm	Guruvayorappan G.C.	Biomedicine and Pharmacotherapy	2017	78	6	karunya Institute of technology and Sciences

atory mediators and cytokines						
An improvement of the parameterized frequent directions algorithm	Raimond K.	Data Mining and Knowledge Discovery	2018	87	1	Karunya Institute of technology and Sciences
Deep learning for image processing applications	Hemanth D.J	Deep Learning for Image Processing Applications	2018	Nil	1	Karunya Institute of technology and Sciences
Pyrene based chalcone as a reversible fluorescent chemosensor for Al <sup>3+</sup> ion and its biological applications	Prabhu J.	Journal of Photochemistry and Photobiology A: Chemistry	2018	145	5	karunya Institute of technology and Sciences
22 nm In <sub>0.75</sub> Ga <sub>0.25</sub> As channel based HEMTs on InP/GaAs substrates for future THz applications	Ajayan J., Nirmal D.	Journal of Semiconductors	2017	20	5	karunya Institute of technology and Sciences
A personalized user preference and feature based semantic information retrieval system in semantic web search	John P.M., Arockiasamy S.	International Journal of Grid and Utility Computing	2018	14	2	karunya Institute of technology and Sciences
Electrochemical properties	Sakunthala A.	Journal of Alloys and	2017	145	17	karunya Institute of

of ricelike copper manganese oxide (CuMn <sub>2</sub> O <sub>4</sub> ) nanoparticles for pseudocapacitor applications		Compounds				technology and Sciences
Molecular docking, synthesis, and biological evaluation of naphthoquinone as potential novel scaffold for H5N1 neuraminidase inhibition	Vasanth Kumar S.	Journal of Biomolecular Structure and Dynamics	2018	58	3	karunya Institute of technology and Sciences
Chemobiological interaction of Etravirine and its $\beta$ -cyclodextrin complex with macromolecular targets	Enoch I.V.M.V.	Journal of Biomolecular Structure and Dynamics	2017	58	3	karunya Institute of technology and Sciences
Investigation of breakdown performance in Lg 20 nm novel asymmetric InP HEMTs for future highspeed highpower applications	Ajayan J.,	Journal of Computational Electronics	2018	27	3	karunya Institute of technology and Sciences
Development of a fluorescent chemosensor	Israel E.V.M.V	New Journal of Chemistry	2018	112	4	karunya Institute of technology

r towards sensing and separation of Mg <sup>2+</sup> ions in chlorophyll and hard water						and Sciences
Heat pipe with nano enhanced PCM for electronic cooling application	Solomon A.B.	Experimental Thermal and Fluid Science	2017	91	26	karunya Institute of technology and Sciences
Optimum spectrum mask based medical image fusion using Gray Wolf Optimization	Anitha J.	Biomedical Signal Processing and Control	2017	51	22	karunya Institute of technology and Sciences
Efficient visible light photocatalytic and enhanced photocorrosion inhibition of Ag <sub>2</sub> WO <sub>4</sub> decorated MoS <sub>2</sub> nanosheets	Thangavel S	Journal of Physics and Chemistry of Solids	2017	97	18	karunya Institute of technology and Sciences
A simple chalcone based ratiometric chemosensor for sensitive and selective detection of Nickel ion and its imaging in live cells	Prabhu J.	Sensors and Actuators, B: Chemical	2017	170	18	karunya Institute of technology and Sciences
Enhanced expression	Berlin Grace V.M	Life Sciences	2017	150	1	Karunya Institute

of tumour suppressor RAR? by DSPC nanof ormulated lipoATRA in the lung of B16F10 cel limplanted C57BL6 mice and in A549 cells						of Technology and Sciences
Blind source separation with mixture models - A hybrid approach to MR brain clas sification	Cheriyam M.M	Magnetic Resonance Imaging	2018	102	1	Karunya Institute of Technology and Sciences
NiCataly zed ?Alkyl ation of U nactivated Amides and Esters with Alcohols by Hydrogen A utoTransfe r Strategy	Nandakumar A., Madhu V.	ChemSusC hem	2018	130	6	karunya Institute of technology and Sciences
On/Off F luorescent Chemosenso r for Selective Detection of Divalent Iron and Copper Ions: Molecular Logic Operation and Protein Binding	Enoch I.V.M.V., Mosae Selvakumar P.	ACS Omega	2018	15	3	karunya Institute of technology and Sciences
Developm ent of	Gladston H	Advances in Civil E	2018	6	1	karunya Institute



link column frame system for seismic resistance of reinforced concrete structures		ngineering Materials				of technology and Sciences
Vitis vinifera peel polyphenols stabilized gold nanoparticles induce cytotoxicity and apoptotic cell death in A431 skin cancer cell lines	Narendhirakannan R.T	Advanced Powder Technology	2017	51	13	karunya Institute of technology and Sciences
Analysis of nanometer scale InGaAs/InAs/InGaAs composite channel MOSFETs using highK dielectrics for high speed applications	Ajayan J., Nirmal D	AEU International Journal of Electronics and Communications	2017	48	25	karunya Institute of technology and Sciences
A review on biodiesel production, combustion, performance, and emission characteristics of nonedible oils in variable compression ratio diesel engine	Suresh M., Jawahar C.P	Renewable and Sustainable Energy Reviews	2018	222	27	karunya Institute of technology and Sciences

using biodiesel and its blends						
A review on turbines for micro hydro power plant	Jawahar C.P	Renewable and Sustainable Energy Reviews	2017	222	23	karunya Institute of technology and Sciences
LDAP: a lightweight deduplication and auditing protocol for secure data storage in cloud environment	Daniel E.	Cluster Computing	2017	35	1	Karunya Institute of technology and Sciences
Histogram difference with Fuzzy rule base modeling for gradual shot boundary detection in video cloud applications	Kethsy Prabavathy A	Cluster Computing	2017	35	1	Karunya Institute of technology and Sciences
Role of reversible image watermarking in medical imaging	Paul S.T., Raimond K.	Journal of Advanced Research in Dynamical and Control Systems	2018	8	Nil	Karunya Institute of technology and Sciences
Intelligent technique based automatic detection of cervical cancer: A review	Rajapushpam W.E., Raimond K.	Journal of Advanced Research in Dynamical and Control Systems	2018	8	Nil	Karunya Institute of technology and Sciences

Applicat ion of decision tree based support vector machine in lung nodule cla ssificatio n	Malin Bruntha P., Immanuel Alex Pandian S., Jaisil Rose D.	Journal of Advanced Research in Dynamical and Control Systems	2018	8	Nil	Karunya Institute of technology and Sciences
Automatic histologic ally closer classifica tion of skin lesions	Hemanth D.J.,	Computer ized Medical Imaging and Graphics	2018	63	8	karunya Institute of technology and Sciences
Enhancing user authe ntication for mobile wallet using cryp tographic algorithm	Susanna A., David S., Kathrine J.W., Esther A.G.	Journal of Advanced Research in Dynamical and Control Systems	2018	8	Nil	Karunya Institute of technology and Sciences
Automatic lung cancer detection in lowdose lung CTs using transfer learning	Akila Agnes S., Anitha J.	Journal of Advanced Research in Dynamical and Control Systems	2018	8	Nil	Karunya Institute of technology and Sciences
Mini OPTACON for disabled	Pamela D., Rose L., Christuraj A.	Journal of Advanced Research in Dynamical and Control Systems	2018	8	Nil	Karunya Institute of technology and Sciences
IOT based face tracking and recogn ition in biometricA review	Jency V.A., Julie A., Michael P.A.	Journal of Advanced Research in Dynamical and Control Systems	2018	8	Nil	Karunya Institute of technology and Sciences

Simulation of various power quality disturbances on secondary distribution power system	Venkatesh Kumar P., Satheesh Kumar S., Benuel Sathish Raj A.	Journal of Advanced Research in Dynamical and Control Systems	2018	8	Nil	Karunya Institute of technology and Sciences
Al 2 O 3 nano particles in automobile cooling systema review	Sundari K.G., Asirvatham L.G., Kumar T.M.N., Sai Ramya K., Marshal J.J.	Journal of Advanced Research in Dynamical and Control Systems	2018	8	Nil	Karunya Institute of technology and Sciences
Genetic algorithm based feature selection for image retrieval	Mary T.B., Mathews T.M., Sivan S.	Journal of Advanced Research in Dynamical and Control Systems	2018	8	Nil	Karunya Institute of technology and Sciences
Colour image compression using improved embedded zero tree wavelet and huffman encoding	Manimekhalai M.A.P., Vasanthi N.A.	Journal of Advanced Research in Dynamical and Control Systems	2017	8	Nil	Karunya Institute of technology and Sciences
Impact of forex swap among BRICS: Post global financial crisis	Peter Leo Deepak J., Amudhar R.	Journal of Advanced Research in Dynamical and Control Systems	2017	8	Nil	Karunya Institute of technology and Sciences Karunya Institute of technology and Sciences Karunya Institute of technology and

						Sciences
An efficient patient scheduling system with the leader and follower particle swarm optimization	Lavanya M., Kanaga E.G.M.	Journal of Advanced Research in Dynamical and Control Systems	2017	8	Nil	Karunya Institute of technology and Sciences
Channel assignment in wireless mesh networks A survey	David D.J., Jegathesan V.	Journal of Advanced Research in Dynamical and Control Systems	2017	8	Nil	Karunya Institute of technology and Sciences
Biocontrol potential of extracellular proteins from Xenorhabdus nematophilus on dengue vectors and the enhancement by response surface methodology	Chandrapragasam V., Jacob A., Jayachandran J.C.L.	Journal of Applied Pharmaceutical Science	2018	28	Nil	Karunya Institute of technology and Sciences
Offshore wind energy potential along Indian Coast	Varghese J., Christy F., Venkataramana K.	International Journal of Civil Engineering and Technology	2018	18	Nil	Karunya Institute of technology and Sciences
Design of triple gate for subthreshold low power applications	00000000 0000000000 0000Hemant h D.J	Defence Science Journal	2017	Nil	Nil	Karunya Institute of technology and Sciences
Virtual robotic arm control	Sagayam K.M	Deep Learning for Image Processing	2017	Nil	Nil	Karunya Institute of technology

with hand gesture recognition and deep learning strategies		Applications				and Sciences
Design of triple gate for subthreshold and low power applications	Flavia Princess Nesamani I	Defence Science Journal	2017	27	Nil	Karunya Institute of technology and Sciences
Preparation and characterization of LiNi <sub>0.495</sub> Mn <sub>0.01</sub> Mn <sub>0.495</sub> O <sub>2</sub> (M = Zn, Co, and Y) for lithium ion batteries	Senthil Kumar P., Sakunthala A.	Ionics	2017	48	2	karunya Institute of technology and Sciences
Optimal synthesis and kinematic analysis of adjustable fourbar linkages to generate filleted rectangular paths	Ganesan G., Sekar M.	Mechanics Based Design of Structures and Machines	2017	30	3	karunya Institute of technology and Sciences
Current trends in changing the channel in MOSFETs by III-V semiconducting nanostructures	Swaminathan R.	Nanotechnology Reviews	2017	19	3	karunya Institute of technology and Sciences
The first highly selective turn on fluorescent sensor for	Enoch I.V.M.V.	New Journal of Chemistry	2018	112	3	karunya Institute of technology and Sciences

vanadyl (VO <sub>2</sub> ) ions: DFT studies and molecular logic gate behavior						
Ratiometric fluorescent chemosensor for silver ion and its bacterial cell imaging	Prabhu J.	Optical Materials	2018	92	3	karunya Institute of technology and Sciences
Electrodeposition of Nanocrystalline Nickel Coatings from a Deep Eutectic Solvent with Water Addition	Kennady C.J.	Protection of Metals and Physical Chemistry of Surfaces	2017	20	3	karunya Institute of technology and Sciences
An investigation on 3-acetyl-7-methoxy coumarin Schiff bases and their Ru(II) metallates with potent antiproliferative activity and enhanced LDH and NO release	Maheeki J.G	RSC Advances	2018	113	3	karunya Institute of technology and Sciences
In situ formation of ZrB <sub>2</sub> particulates and their influence on microst	David Raja Selvam J	Engineering Science and Technology, an International Journal	2017	29	13	karunya Institute of technology and Sciences

structure and tensile behavior of AA7075 aluminum matrix composites						
Absorption refrigeration system using engine exhaust gas as an energy source	Asirvatham L.G.	Case Studies in Thermal Engineering	2018	21	1	Karunya Institute of technology and Sciences
Design of 15 kW Micro Hydro Power Plant for Rural Electrification at Valara	Jawahar C.P.	Energy Procedia	2017	63	1	Karunya Institute of technology and Sciences
ThreeDimensional Fibrous Network of Na <sub>0.21</sub> MnO <sub>2</sub> for Aqueous SodiumIon Hybrid Supercapacitors	Velmurugan M.,	Chemistry A European Journal	2017	220	15	karunya Institute of technology and Sciences
Transparent Conducting MoDoped CdO Thin Films by Spray Pyrolysis Method for Solar Cell Applications	Devadason S.	Journal of Electronic Materials	2018	87	4	karunya Institute of technology and Sciences
Ca <sup>2+</sup> ion sensing by a piperidine derivative	Enoch I.V.M.V.	Journal of Luminescence	2017	104	4	karunya Institute of technology and



and the effect of $\beta$ -cyclodextrin complexation on the sensing						Sciences
Enhanced photocatalytic activity of transition metal ions doped g-C <sub>3</sub> N <sub>4</sub> nanosheet activated by PMS for organic pollutant degradation	Obadiah A., Vasanthkumar S.	Journal of Materials Science: Materials in Electronics	2018	63	4	karunya Institute of technology and Sciences
Structural and optical characterization of (Sn/Li) codoped ZnO thin films deposited by spray pyrolysis technique	Haris M.	Journal of Materials Science: Materials in Electronics	2017	63	4	karunya Institute of technology and Sciences
Improved properties of spray pyrolysed CuO nanocrystalline thin films	Helen S.J.,	Journal of Materials Science: Materials in Electronics	2017	63	4	karunya Institute of technology and Sciences
A plausible antibacterial green synthesized AgNPs from Tridax procumbens leaf flower extract	Jesse J.T., Shobini J.	Journal of Pure and Applied Microbiology	2018	12	Nil	karunya Institute of technology and Sciences
	Naresh	Journal	2018	12	Nil	karunya

Production and characterization of bacteriocin by lactic acid bacterium pediococcus pentosaceus NKSM1 isolated from fermented 'appam' batter	Kumar K., Devadas S.M., Murugan S., Gobi Krishnan S., Thayumanavan T.	of Pure and Applied Microbiology				Institute of technology and Sciences
Isolation and characterization of lytic coliphages from Sewage Water	Megha P.U., Murugan S., Harikumar P.S.	Journal of Pure and Applied Microbiology	2018	12	Nil	karunya Institute of technology and Sciences
Isolation, characterization, comparative analysis of antirabies antibodies raised in chicken and rabbit	Gomez L.A., Totapalli V., Diraviyam T., Michael A., Vani C.	Journal of Pure and Applied Microbiology	2017	12	Nil	karunya Institute of technology and Sciences
High Throughput AES Algorithm Using Parallel Subbytes and MixColumn	Sridevi Sathya Priya S	Wireless Personal Communications	2017	48	1	Karunya Institute of technology and Sciences
Integrating multilevel converters application on renewable energy sources A survey	Chandran B.P., Selvakumar A.I., Mathew F.M.	Journal of Renewable and Sustainable Energy	2018	32	Nil	karunya Institute of technology and Sciences

Selfpowered wireless sensor network framework to monitor bin level	Jino Ramson S.R., Jackuline Moni D., Alfred Kirubaraj A., Senith S.	Journal of Solid Waste Technology and Management	2017	15	Nil	karunya Institute of technology and Sciences
Investigation on the effect of organic dye molecules on capacitive deionization of sodium sulfate salt solution using activated carbon cloth electrodes	Nesaraj A.S.	Electrochimica Acta	2018	211	1	Karunya Institute of technology and Sciences
Comparative Studies of Microwave and Sol-Gel Assisted Combustion Methods of NiFe <sub>2</sub> O <sub>4</sub> Nanostructures: Synthesis, Structural, Morphological, Optical, Magnetic, and Antimicrobial Activity	Nandhini J., Neeraja P., Jeya Rajkumar S.R., Umapathy V., Suresh S.	Journal of Superconductivity and Novel Magnetism	2017	39	Nil	karunya Institute of technology and Sciences
A parallel complex divider architecture based on DCD iterations for computing	Kidav Jayaraj U., Siva Mangai N.M., Pillai P.M.	Journal of Systems Engineering and Electronics	2018	28	Nil	karunya Institute of technology and Sciences

complex division in MVDR beamformer						
Study of aluminium alloy 7075 and aluminium alloy 8011 friction stir welding	Balakrishnan S., Krishnaraj C., Emmanuel Sam Franklin D., Raajesh Krishna C.R.	Journal of the Balkan Tribological Association	2018	12	Nil	Karunya Institute of Technology and Sciences
Major weed parthenium hysterophorus l. As a propitious plant with its free radical scavenging activity and anticancer activity against a549 lung cancer cell line	, Berlin Grace V.M.	Drug Invention Today	2018	12	Nil	Karunya Institute of Technology and Sciences
Molecular encapsulated poly(vinyl alcohol) shroud on ferrite nanoparticles. Augmented cancer-drug loading and anticancer property	Enoch I.V.M.V	Materials Science and Engineering C	2018	104	1	Karunya Institute of Technology and Sciences
Numerical Study on the Influence of Mass	Sekar M.	Energies	2018	64	1	Karunya Institute of Technology and Sciences

and Stiffness Ratios on the Vortex Induced Motion of an Elastically Mounted Cylinder for Harnessing Power						
Inspection of properties of Expanded Polystyrene (EPS), Compressive behaviour, bond and analytical examination of Insulated Concrete Form (ICF) blocks using different densities of EPS	Arun Solomon A., Hemalatha G.	International Journal of Civil Engineering and Technology	2017	18	3	karunya Institute of technology and Sciences
Design of mathematical modelling and control of downdraft biomass gasifier	Vijay Daniel P., Sanjeevi Gandhi A.	International Journal of Control and Automation	2017	18	3	karunya Institute of technology and Sciences
Investigation on wear behaviour of Al <sub>13</sub> /SiC aluminium metal matrix composites by response surface me	Robinson Smart D.S	International Journal of Mechanical Engineering and Technology	2017	13	3	karunya Institute of technology and Sciences

thodology						
Exponential synchronization of Lure complex dynamical networks with uncertain inner coupling and pinning impulsive control	Selvamani R.	Applied Mathematics and Computation	2017	125	17	karunya Institute of technology and Sciences
Boosting based implementation of biometric authentication in IoT	Thilagavathi B., Suthendran K.	Journal of Cyber Security and Mobility	2018	7	Nil	karunya Institute of technology and Sciences
Eccentricity problem in asynchronous machines	Kumar K.V., Selvakumar A.I., Kumar S.S.	Journal of Electrical Engineering	2017	23	Nil	karunya Institute of technology and Sciences
Guest Editorial: Special Section on Nano Devices, Circuits and Systems	Nirmal D	IEEE Transactions on Nanotechnology	2017	73	Nil	Karunya Institute of technology and Sciences
Nanoscale High Dielectrics for Junctionless Nanowire Transistor for Drain Current Analysis	Pravin J.C., Prajoon P., Nesamania F.P., Sriresh G., Senthil Kumar P., Nirmal D.	Journal of Electronic Materials	2018	23	Nil	karunya Institute of technology and Sciences
A secure communication over wireless sensor devices	Vijitha Ananthi J., James Deva Koresh H., Vengatesan	International Journal of Networking and Virtual Or	2018	17	Nil	karunya Institute of technology and Sciences

using intelligent arrival estimation algorithm	S., Blessina Anet Glorita Y.	ganisations				
Synthesis and characterization of Li <sub>1-x</sub> Tbx NiPO <sub>4</sub> solid solution as cathode materials for lithium ion battery application	Murugesan K., Kadarkarai G., Subramanian S., Manavalan P., Parthasarathy S.K.	Ionics	2017	48	Nil	karunya Institute of technology and Sciences
Biotechnology applications in food processing and safety	Sundarraaj A.A., Ezhil R.J.H., Vishaal S.C., Karan S.H., Mathew N., Tony S., Angeline Rajathi A.	Journal of Advanced Pharmacy Education and Research	2018	2	Nil	karunya Institute of technology and Sciences
Naipaul's sensibility in the writer and the world essays: A compare and contrast of style in the Indian, African and caribbean phase	Jayamani T.S., Joseph S.S.	Journal of Advanced Research in Dynamical and Control Systems	2018	8	Nil	karunya Institute of technology and Sciences
Mental construal of C.S Naipaul in the writer and the	Jayamani T.S., Joseph S.S.	Journal of Advanced Research in Dynamical	2018	8	Nil	karunya Institute of technology and Sciences

world essays: A psychological stylistic approach		and Control Systems				
Smart control for low energy harvesting systems	Nigel K.G.J., Rajeswari R., Thomas S.	Journal of Advanced Research in Dynamical and Control Systems	2018	8	Nil	karunya Institute of technology and Sciences
Polyhedron model for three dimensional node deployment in underwater sensor network	Priyadhasini C., Kannimathas S.	Journal of Computational and Theoretical Nanoscience	2017	43	Nil	karunya Institute of technology and Sciences
Simulation and hardware implementation of UPQC for power quality improvement in secondary distribution system	Venkatesh Kumar P., Rajeswari R.	Journal of Electrical Engineering	2017	23	Nil	karunya Institute of technology and Sciences
Experimental investigations of nitrogen alloyed duplex stainless steel in dry milling process	Philip Sevaraj D., Chandramohan P., Chandrasekar P.	Philip Sevaraj D., Chandramohan P., Chandrasekar P. 2018 Journal of Engineering Science and Technology	2018	29	Nil	karunya Institute of technology and Sciences
Copine 3 as a novel potential drug	Sakthivel K.M., Prabhu	Journal of Environmental Pathology,	2017	43	Nil	karunya Institute of technology



target for non-small cell lung carcinoma	V.V.	Toxicology and Oncology				and Sciences
Redox-mediated free degradation of sulfathiazole and tetracycline using <i>Phanerochaete chrysosporium</i>	Kwak J., Yoon S., Mahanty B., Kim C.G.	Journal of Environmental Science and Health Part A Toxic/Hazardous Substances and Environmental Engineering	2017	63	Nil	karunya Institute of technology and Sciences
Binding interaction of a fluoranthene-thiol on gold nanoparticles with $\beta$ -cyclodextrin and DNA	Thangaraj S.E., Antony E.J., Yousuf S., Selvakumar P.M., Dhanaraj P., Enoch I.V.M.V.	Journal of Experimental Nanoscience	2017	26	Nil	karunya Institute of technology and Sciences
Predicting the effect of machining parameters on turning characteristics of AA7075/TiB <sub>2</sub> in situ aluminum matrix composites using empirical relationships	Pugazhenthir A., Dinaharan I., Kanagaraj G., Selvam J.D.R.	Journal of the Brazilian Society of Mechanical Sciences and Engineering	2018	29	Nil	karunya Institute of technology and Sciences
Parallel seed selection method for overlapping community detection in social network	Belfin R.V., Grace Mary Kanaga E.	Scalable Computing	2018	11	Nil	karunya Institute of technology and Sciences
Quantum	Jayachan	Journal	2018	39	Nil	karunya

Chemical Study on the Structure and Energetics of Binary Ionic Porphyrin Complexes	dran P., Angamuthu A., Gopalan P.	of the Chinese Chemical Society				Institute of technology and Sciences
Validation of Visually Observed Waves with the Recorded Waves on the Southwest Coast of India	Abdulla P.K., James E.J.	Journal of The Institution of Engineers (India): Series A	2018	7	Nil	karunya Institute of technology and Sciences
Magnetorheological fluid with nano Fe <sub>3</sub> O <sub>4</sub> for performance enhancement of MR damper for seismic resistance of steel structures	Daniel C., Hemalatha G., Sarala L., Tensing D., Manoharan S.S.	Key Engineering Materials	2018	48	Nil	karunya Institute of technology and Sciences
zIdeals and strongly prime ideals in posets	John C.G., Elavarasan B.	Kyungpook Mathematical Journal	2017	15	Nil	karunya Institute of technology and Sciences
Object trajectory prediction with scarce environment information	Park J.S., De Luise D.L., Hemanth J.	Lecture Notes in Computational Vision and Biomechanics	2018	11	Nil	karunya Institute of technology and Sciences
Detection of Epileptic EEG Signal Using Improved	Subathra M.S.P.	Circuits, Systems, and Signal Processing	2018	45	1	karunya Institute of technology and Sciences

Local Pattern Transformation Methods						
Survey on the classification of intelligence based biometric techniques	Martin Sagayam K., Felix Jacob Edwin J., Sujith Christopher J., Reddy G.V., Bestak R., Hun L.C.	Lecture Notes in Computational Vision and Biomechanics	2018	11	Nil	karunya Institute of technology and Sciences
DeepCS: Deep convolutional neural network and SVM based single image superresolution	Jebadurai J., Peter J.D.	Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics)	2018	324	Nil	karunya Institute of technology and Sciences
Performance Analysis of Dual Metal Double Gate TunnelFETs for Ultralow Power Applications	Gracia D., Nirmal D.	Lecture Notes in Electrical Engineering	2018	26	Nil	karunya Institute of technology and Sciences
Etch Time Optimization in Bulk Silicon MEMS Devices Using a Novel Compensation Structure	Grace Jency J., Sekar M., Ravi Sankar A.	Lecture Notes in Electrical Engineering	2018	26	Nil	karunya Institute of technology and Sciences
Wind farm power prediction	Lydia M., Suresh Kumar S.,	Lecture Notes in Electrical	2018	26	Nil	karunya Institute of

based on wind speed and power curve models	Immanuel Selvakumar A., Edwin Prem Kumar G.	Engineering				technology and Sciences
A novel approach to using energy efficient LEDbased visible light communication in hospitals	Anitha Vijayalakshmi B., Nesa Sudha M.	Lecture Notes in Electrical Engineering	2018	26	Nil	karunya Institute of technology and Sciences
Experimental analysis of surface roughness of duplex stainless steel in milling operation	Philip Selvaraj D.	Lecture Notes in Mechanical Engineering	2018	8	Nil	karunya Institute of technology and Sciences
Orbital magnetic interplanetary launch system (OMILS)	Luis S., Khan M.A.	Lecture Notes in Mechanical Engineering	2018	8	Nil	karunya Institute of technology and Sciences
Comparative study of cutting fluid application methods to improve machining conditions during surface grinding on AISI 1040 steel	Kantharaj I., Sekar M., Ajay Vasanth X., Mohanasundaram S.	Lecture Notes in Mechanical Engineering	2018	8	Nil	karunya Institute of technology and Sciences
A study on friction stir welding of Al6061ZrB2 metal matrix composites	Christy T.V., Emmanuel Sam Franklin D., Nelson R., Mohanasundaram S.	Lecture Notes in Mechanical Engineering	2018	8	Nil	karunya Institute of technology and Sciences

Design and Analysis of 24 Hours Solar Panel	Francis J., Jawahar D.S., Paul A.J., Lydia M.	MATEC Web of Conferences	2018	16	Nil	karunya Institute of technology and Sciences
Mathematical analysis on the effect of tin on mechanical, electrical and thermal properties in magnesium alloys	Thankachan T., Soorya prakash K., Saranya C., Inigovalan V.	Materials Discovery	2018	124	Nil	karunya Institute of technology and Sciences
Influence of sintering temperature on microstructure, magnetic properties of vacuum sintered Co (Zn)NiAl alloys	Arputhavalli G.J., Agilan S., Saravanan P.	Materials Letters	2018	124	Nil	karunya Institute of technology and Sciences
Graphene oxide resorcinol hybrid material as fluorescent chemosensor for detection of cerium ion	Dmonte D.J., Pandiyarajan A., Bhuvanesh N., Suresh S., Nandha kumar R.	Materials Letters	2018	124	Nil	karunya Institute of technology and Sciences
Optimization of surface roughness of duplex stainless steel in dry turning operation	Selvaraj D.P.	Materials Physics and Mechanics	2018	12	Nil	karunya Institute of technology and Sciences

using taguchi technique						
Effect of nonhomogeneity in a magneto electro elastic plate of polygonal crosssections	Selvamani R., Sujitha G.I.	Materials Physics and Mechanics	2018	12	Nil	karunya Institute of technology and Sciences
Structural, optical and electrical properties in indium selenide thin films prepared under nitrogen atmosphere	Maria Sahayaraj C.A.R., Mohan A., Rathesh K., Rajesh S.	Materials Today Communications	2017	12	Nil	karunya Institute of technology and Sciences
Study on the Influence of Shaft Material on Vibration in Rotating Machinery	Chandrashekar G., Raj W., Godwin C., Paul P.S.	Materials Today: Proceedings	2018	18	Nil	karunya Institute of technology and Sciences
Uniform Corrosion Behavior of AA7075 with Nanoclay	Ratna Kumar P.S.S., Alexis S.J., Smart D.S.R.	Materials Today: Proceedings	2017	18	Nil	karunya Institute of technology and Sciences
Synthesis, characterization and magnetic studies of uniform sized manganosite nanocrystals	Sherin J.S., Harris M., Shiney Manoj D., Thomas J.K.	Materials Today: Proceedings	2017	18	Nil	karunya Institute of technology and Sciences
Performance Enhancement of	Nesamani I.F.P., Manikandan	Materials Today: Pro	2017	18	Nil	karunya Institute of

22nm SRAM using Gate Engineered Multigate Independent FETs	M., Prabha V.L., Antony N., Mathew J.	ceedings				technology and Sciences
Psychological aspects of job satisfaction among library and information science professionals	Pandita R., Dominic J.	Journal of Information Science Theory and Practice	2018	2	Nil	karunya Institute of technology and Sciences
Dispersion waves in a submerged thermopiezoelectric membrane	Selvamani R., Sreejeyan M.M., Remy J., Malvika B.S.	Mechanics and Mechanical Engineering	2018	10	Nil	karunya Institute of technology and Sciences
Modeling of axisymmetric waves in a piezoelectric circular fiber coated with thin film	Selvamani R.	Mechanics and Mechanical Engineering	2017	10	Nil	karunya Institute of technology and Sciences
Analytical solutions of thermopiezoelectric interactions in a solid fiber of polygonal crosssections immersed in fluid	Selvamani R.	Multidiscipline Modeling in Materials and Structures	2018	16	Nil	karunya Institute of technology and Sciences
Perspective modelbased visual tracking	Joy E., Peter J.D.	Multimedia Tools and Applications	2018	52	Nil	karunya Institute of technology and

scheme for robust tracking of objects in complex environs						Sciences
Automatic lung segmentation in lowdose chest CT scans using convolutional deep and wide network (CDWN)	Akila Agnes S., Anitha J., Dinesh Peter J.	Neural Computing and Applications	2018	57	Nil	karunya Institute of technology and Sciences
Existence of Stepanovlike weighted pseudo almost automorphic solutions of fractional integrodifferential equations via measure theory	Kavitha V., Abbas S., Murugesu R.	Nonlinear Studies	2017	11	Nil	karunya Institute of technology and Sciences
Fluorescence analysis of natural dyes from Plumeria rubra (red and white) flowers	Vettumparam R., Kalyanaraman S., Selvan G.T., Selvakumar P.M.	Optik	2018	46	Nil	karunya Institute of technology and Sciences
Modelling and optimization of cassava starch based film for food packaging applications	Prabha P.H., Rangathan T.V.	Pakistan Journal of Biotechnology	2017	7	Nil	karunya Institute of technology and Sciences



Preparation and characterization of hydroxyl (-OH) functionalized multiwalled carbon nanotube (MWCNT)-Dowtherm A nanofluids	Premalatha M., Jeevaraj A.K.S.	Particulate Science and Technology	2018	30	Nil	karunya Institute of technology and Sciences
Design of an interactive biomedical text mining framework to recognize realtime drug entities using machine learning algorithms	Chukwuocha C., Mathu T., Raimond K.	Procedia Computer Science	2018	47	Nil	karunya Institute of technology and Sciences
Handwritten signature forgery detection using convolutional neural networks	Jerome Gideon S., Kandulna A., Kujur A.A., Diana A., Raimond K.	Procedia Computer Science	2018	47	Nil	karunya Institute of technology and Sciences
WASF Weighted average based subjective feedback system for Ehealthcare Services	Silas S., Rajsingh E.B., Issac T.	Proceedings on 2016 2nd International Conference on Next Generation Computing Technologies, NGCT 2016	2017	4	Nil	karunya Institute of technology and Sciences
An algorithmic approach to equitable total	Vivik J.V., Girija G.	Proyecciones	2017	9	Nil	karunya Institute of technology and Sciences

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Analysis on the strength characteristics of clayey soil with geopolymer enzyme (Biochemical enzyme)	Janaki Raman S., Arumairaj P.D., Tikson Sebastian R., Jerushan J., Jebaraj Samuel Dorai D., Thomos N.J.	Rasayan Journal of Chemistry	2018	18	Nil	karunya Institute of technology and Sciences
Feasibility test of calcium lignosulphonate on clay	Vincent Sam Jebadurai S., Arunraj E., Daniel C., Joel Shelton J., Subukumar G., Judith Emilian Christy S.S., Sarala L., Hemalatha G.	Rasayan Journal of Chemistry	2017	18	Nil	karunya Institute of technology and Sciences
Targeted inhibition of tumor survival, metastasis and angiogenesis by Acacia ferruginea mediated regulation of VEGF, inflammatory mediators, cytokine profile and inhibition of transcription factor activation	Sakthivel K.M., Gurusamy C.	Regulatory Toxicology and Pharmacology	2018	90	Nil	karunya Institute of technology and Sciences

Discrimination of plant beneficial rhizosphere microbes by Amplified Ribosomal DNA Restriction (ARDRA) for molecular taxonomy	Jibu T., Reena J.C.M.	Research Journal of Biotechnology	2018	13	Nil	karunya Institute of technology and Sciences
Performance evaluation of electrodes TiO <sub>2</sub> /Zn and zinc in the treatment of disperse dye by electrocoagulation process A comparative study	Geenu K., Parame swari K., Jegathamba l P.	Research Journal of Chemistry and Environment	2018	14	Nil	karunya Institute of technology and Sciences
Prevalence of arsenicosis in arsenic contaminated tube wells of 24 north Parganas (West Bengal)	Padmanab han D., Kavitha S.	Research Journal of Chemistry and Environment	2018	14	Nil	karunya Institute of technology and Sciences
Lignocellulosic bioethanol production : Prospects of emerging membrane technologies to improve the	Dey P., Pal P., Kevin J.D., Das D.B.	Reviews in Chemical Engineering	2018	36	Nil	karunya Institute of technology and Sciences

process A critical review						
Effect of heat treatment on acoustic emission signals during turning of hardened steel	Sam Paul P.S., Raj F.W.	Romanian Journal of Acoustics and Vibration	2017	7	Nil	karunya Institute of technology and Sciences
Molecular Interactions in Binary Mixtures of 2Chloro aniline and Monosubstituted Benzene Derivatives at Various Temperatures	Ubagaram ary D., Enoch I.V.M.V., Gowrisankar M., Mullainathan S.	Russian Journal of Physical Chemistry A	2018	25	Nil	karunya Institute of technology and Sciences
Analysis of hierarchical identity based encryption schemes and its applicability to computing environments	Daniel R.M., Rajsingh E.B., Silas S.	Journal of Information Security and Applications	2017	31	Nil	karunya Institute of technology and Sciences
Airfoil selection and computational study on the torque performance of 4blade vertical axis wind turbine	Sunny K.A., Kumar P., Manoj Kumar N., Banerjee J., Adheena G.J.	Journal of Physics: Conference Series	2018	24	Nil	karunya Institute of technology and Sciences
Discrimination of	Nandhakumar R	European Journal of	2018	142	Nil	Karunya Institute

the Chirality of $\alpha$ -Amino Acids in Zn II Complexes of DPAA Appended Binaphthyl Imine		Organic Chemistry				of technology and Sciences
Prediction of operational characteristics of a dc nontransferred arc plasma torch using similarity criteria	Ramachandran K.	European Physical Journal D	2017	156	Nil	Karunya Institute of technology and Sciences
A study on behavior of vertical pile in sand under uplift load	Arumairaj P.D	Geotechnical Engineering	2018	45	Nil	Karunya Institute of technology and Sciences
Performance of the multicarrier sinusoidal PWM based multilevel inverter with reduced power loss and fault diagnosis using wavelets transformation: Hybrid multilevel inverter	Jegathesan V.	Handbook of Research on Power and Energy System Optimization	2018	Nil	Nil	Karunya Institute of technology and Sciences
Optimization of hand motion rec	Hemanth D.J.	Hybrid Intelligent Techniques for	2017	Nil	Nil	Karunya Institute of technology

ognition system based on 2D HMM approach using ABC algorithm		Pattern Analysis and Understanding				and Sciences
Optimization of a HMMbased hand gesture recognition system using a hybrid cuckoo search algorithm	Sagayam K.M., Hemanth D.J.	Hybrid Metaheuristic Algorithms for Image Analysis	2018	Nil	Nil	Karunya Institute of technology and Sciences
IEEE Access Special Section Editorial: Soft Computing Techniques for Image Analysis in the Medical Industry Current Trends, Challenges and Solutions	Hemanth D.J	IEEE Access	2018	56	Nil	Karunya Institute of technology and Sciences
A cost effective dynamic auditing scheme for outsourced data storage in cloud environment	Daniel E	IEEE International Conference on Innovations in Green Energy and Healthcare Technologies 2017, IGEHT 2017	2017	Nil	Nil	Karunya Institute of technology and Sciences
Classification of EEG signals for detection of epileptic	Subathra M.S.P.	IET Image Processing	2018	34	Nil	Karunya Institute of technology and Sciences

seizure activities based on feature extraction from brain maps using image processing algorithms						
Retinal Blood Vessel Segmentation from Depigmented Diabetic Retinopathy Images	Peter J.D.	IETE Journal of Research	2018	20	Nil	Karunya Institute of technology and Sciences
Investigation of RF and DC Performance of EMode In 0.80 Ga 0.20 As/InAs/In 0.80 Ga 0.20 as Channel based DGHEMTs for Future Submillimetre Wave and THz Applications	Ajayan J	IETE Journal of Research	2018	20	Nil	Karunya Institute of technology and Sciences
Binding interaction of a piperazinyloquinoline derivative with $\beta$ -cyclodextrin and Cd <sup>2+</sup> ions	Enoch I.V.M.V	Indian Journal of Chemistry Section A Inorganic, Physical, Theoretical and Analytical Chemistry	2018	36	Nil	Karunya Institute of technology and Sciences
Investigation of RF and DC Performance of EMode In 0.80 Ga 0.20 As/InAs/In 0.80 Ga	Ajayan J., Ravichandran T., Mohankumar P., Prajoon P., Charles Pravin J.,	IETE Journal of Research	2018	20	Nil	Karunya Institute of technology and Sciences

0.20 as Channel based DGHEMTs for Future Submillimetre Wave and THz Applications	Nirmal D.					
Virtual Robotic Arm Control with Hand Gesture Recognition and Deep Learning Strategies	Martin Sagayam K	Advances in Parallel Computing	2017	16	Nil	Karunya Institute of technology and Sciences
Parametric analysis of a downscaled turbo jet engine suitable for drone and UAV propulsion	Wessley G.J.J	AIP Conference Proceedings	2018	60	Nil	Karunya Institute of technology and Sciences
Surface modification of CZTS nanoparticles using reflux method for effective utilizing absorber material	Rajesh S.	AIP Conference Proceedings	2018	60	Nil	Karunya Institute of technology and Sciences
Generalization of implication based fuzzy semi automaton over a finite group	Selva Rathi M	Applied Mathematics and Information Sciences	2017	31	Nil	Karunya Institute of technology and Sciences
Incorporation of indium in TiO <sub>2</sub> based photoanodes for	Vidhya B.	Applied Nanoscience (Switzerland)	2018	Nil	Nil	Karunya Institute of technology and Sciences



enhancing the photovoltaic conversion efficiency of dyesensitized solar cells						
A Hybrid Tactic Model Intended for Video Compression Using Global Affine Motion and Local FreeForm Transformation Parameters	Dolly D.R.J., Bala G.J., Peter J.D.	Arabian Journal for Science and Engineering	2018	33	Nil	Karunya Institute of technology and Sciences
Electrochemical analysis of Graphene Oxide/Polyaniline/Polyvinyl alcohol composite nanofibers for supercapacitor applications	Gunasekaran V	Applied Surface Science	2018	159	17	karunya Institute of technology and Sciences
Binding interaction of a piperazinylquinoline derivative with $\beta$ -cyclodextrin and Cd <sup>2+</sup> ions	Enoch I.V.M.V.	Indian Journal of Chemistry Section A Inorganic, Physical, Theoretical and Analytical Chemistry	2018	36	Nil	Karunya Institute of technology and Sciences
Polylactic acid coated SBA15 functionalized with 3amin	Ananthi N	Indian Journal of Chemistry Section A Inorganic, Physical, Theoretical	2017	36	Nil	Karunya Institute of technology and Sciences

opropyl triethoxysilane		l and Analytical Chemistry				
Development of reduced order model for a 500 mw utility boiler in a thermal power plant	Subha Hency Jims P	Indian Journal of Environmental Protection	2018	17	Nil	Karunya Institute of technology and Sciences
Effect of cardioprotective polyherbal formulation on isoproterenol induced myocardial infarction in experimental animals	Narendhirakannan R.T	Indian Journal of Experimental Biology	2017	67	Nil	Karunya Institute of technology and Sciences
Modeling symmetric and asymmetric volatility in the Indian stock market	Amudha R	Indian Journal of Finance	2018	7	Nil	Karunya Institute of technology and Sciences
Effect of methane enrichment on the performance of a dual fuel CI engine	Vijin Prabhu A., Manimaran R., Jeba P., Babu R.	International Journal of Ambient Energy	2018	21	Nil	Karunya Institute of technology and Sciences
Experimental convective heat transfer studies on graphene nanofluid for the cooling of next generation	Jefferson Raja Bose B., Godson Asirvatham L., Kumar M.N.	International Journal of Applied Engineering Research	2017	25	Nil	Karunya Institute of technology and Sciences

electronic components						
Vulnerability assessment using fragility curves	Hemalatha G.	International Journal of Applied Engineering Research	2018	25	Nil	Karunya Institute of technology and Sciences
A soft topological model for spatial objects with uncertain boundaries	Ebenanjar P.E., Thangavelu P.	International Journal of Applied Mathematics	2018	1	Nil	Karunya Institute of technology and Sciences
Ideals in semiring with involution	Elavarasan B., Porselvi K.	International Journal of Applied Mathematics	2018	1	Nil	Karunya Institute of technology and Sciences
Continuous and remote monitoring of ground water level measurement in a well	Anitha Mary X.	International Journal of Water	2018	13	2	karunya Institute of technology and Sciences
Organoruthenium(II) compounds with pyridyl benzoxazole/benzthiazole moiety: studies on DNA/protein binding and enzyme mimetic activities	Nandhakumar R	Journal of Coordination Chemistry	2017	45	2	karunya Institute of technology and Sciences
On dHomeó morphism in intuitionistic fuzzy topological spaces	Immaculate J., Ebenanjar E., Terence J.S.	Journal of Physics: Conference Series	2018	24	Nil	karunya Institute of technology and Sciences
Investigation on	Selvaraju	Journal of Electro	2018	145	2	karunya Institute

the electrocatalytic activity of hierarchical flower like architected Cu <sub>3</sub> SnS <sub>4</sub> for hydrogen evolution reaction	T., Vidhya B.	analytical Chemistry				of technology and Sciences
Synthesis, crystal structure, biomolecular interactions and anticancer properties of Ni(II), Cu(II) and Zn(II) complexes bearing S allyldithio carbazate	Nandhakumar R	Inorganica Chimica Acta	2017	91	14	karunya Institute of technology and Sciences
Morphology dependent electrochemical capacitor performance of NiMoO <sub>4</sub> nanoparticles	Sakunthala A.	Materials Letters	2017	124	13	karunya Institute of technology and Sciences
Structural, optical and magnetic properties of Ba and Ni doped CdS thin films prepared by spray pyrolysis method	Haris M.	Journal of Materials Science: Materials in Electronics	2017	63	5	karunya Institute of technology and Sciences
Properties of general	Porselvi K., Elavarasan	Buletinul Academiei	2018	6	Nil	Karunya Institute of

ized semii dealbased zerodiviso r graph of posets	B.	de Stiinte a Republicii Moldova. Matematica				technology and Sciences
Structural, morphological, electrical and electrochemical study on plasticized PVdFHFP/PEMA blended polymer electrolyte for lithium polymer battery application	Sakunthala A.,	Solid State Ionics	2018	175	4	karunya Institute of technology and Sciences
A survey of Gallium Nitride HEMT for RF and high power applications	Fletcher A.S.A., Nirmal D.	Superlattices and Microstructures	2017	66	15	karunya Institute of technology and Sciences
Critical evaluation of mechanism responsible for biomass abatement during electrochemical coagulation (EC) process: A critical review	Govindan K.	Journal of Environmental Management	2018	146	2	karunya Institute of technology and Sciences
Synthesis, Characterization and Solvatochromic Studies Using the Solvent Polarity Parameter,	Obadiah A.	Journal of Fluorescence	2017	63	2	karunya Institute of technology and Sciences

ENT on 2Chloro3Ethylaminol,4Naphthoquinone						
Orbit theory with lunar perturbation in terms of kustaaneim o-Stiefel regular elements	Sharma R.K.	Journal of Guidance, Control, and Dynamics	2017	127	2	karunya Institute of technology and Sciences
Investigation of Mechanical and Electromagnetic Interference Shielding Properties of Nickel-CFRP Textile Composites	Vijay S.J	Journal of Materials Engineering and Performance	2018	54	2	karunya Institute of technology and Sciences
Structural, morphological, optical, magnetic and dielectric properties of Ni <sub>1-x</sub> Zn <sub>x</sub> Fe <sub>2</sub> O <sub>4</sub> (x = 0 ? 1) nanoparticles	Suresh Babu S.K., John Berchmans L.	Journal of Materials Science: Materials in Electronics	2017	63	2	karunya Institute of technology and Sciences
Experimental investigations of the performance of a thermoacoustic refrigerator based on the Taguchi method	Babu K.A., Sherjin P.	Journal of Mechanical Science and Technology	2018	40	2	karunya Institute of technology and Sciences
Biological evaluation	Kalaiarasi G., Jeya	Journal of Organometallic	2018	118	2	karunya Institute of

of new organoruthenium(II) metallates containing 3acetyl8methoxy2Hchromen2one appended CNS donor Schiff bases	Rajkumar S.R., Dharani S., Fronczek F.R., Prabhakaran R.	Chemistry				technology and Sciences
A selective Fluorescence Chemosensor: Pyrene motif Schiff base derivative for detection of Cu <sup>2+</sup> ions in living cells	Selvaraj S.	Journal of Photochemistry and Photobiology A: Chemistry	2018	145	2	karunya Institute of technology and Sciences
Characterisation of a grooved heat pipe with an anodised surface	Ram Kumar A.M.	Heat and Mass Transfer/Waerme und Stoffuebertragung	2017	58	7	karunya Institute of technology and Sciences
Application and Evaluation of Independent Component Analysis Methods to Generalized Seizure Disorder Activities Exhibited in the Brain	Jayakumar J.	Clinical EEG and Neuroscience	2017	47	3	karunya Institute of technology and Sciences
Optimized extraction and characterization	Thottiam Vasudevan R.	International Journal of Biological Macromolecules	2018	101	7	karunya Institute of technology and

of pectin from jackfruit (Artocarpus integer) wastes using response surface methodology		ules				Sciences
Corrosion behaviour of Aluminium Metal Matrix reinforced with Multiwall Carbon Nanotube	Robinson Smart D.S.	Journal of Asian Ceramic Societies	2017	21	7	karunya Institute of technology and Sciences
A modified genetic algorithm for performance improvement of transform based image steganography systems	Jude Hemanth D., Anitha J.	Journal of Intelligent and Fuzzy Systems	2018	46	7	karunya Institute of technology and Sciences
Electrochemical performance of Bi <sub>2</sub> O <sub>3</sub> decorated graphene nano composites for supercapacitor applications	Nesaraj A.S.	NanoStructures and NanoObjects	2018	14	7	karunya Institute of technology and Sciences
SKSVR: Sigmoid kernel support vector regression based inscale single image supe	Peter J.D.	Pattern Recognition Letters	2017	139	7	karunya Institute of technology and Sciences



Resolution						
Facile synthesis of uniformly dispersed ZnO nanoparticles on a polystyrene/rGO matrix and its superior electrical conductivity and photocurrent generation	Ramesh A.	RSC Advances	2017	113	7	karunya Institute of technology and Sciences
An evolutionary approach for personalization of content delivery in elearning systems based on learner behavior forcing compatibility of learning materials	Christudas B.C.L., Kirubakaran E.	Telematics and Informatics	2018	48	7	karunya Institute of technology and Sciences
Design of temperature sensor using twisted photonic crystal fiber	Vinoth Kumar K.,	Results in Physics	2018	27	2	Karunya Institute of technology and Sciences
Investigations on the Effect of Tungsten Carbide and Graphite Reinforcements during	Wins K.L.D.	Silicon	2018	19	2	Karunya Institute of technology and Sciences

Spark Erosion Machining of Aluminium Alloy (AA 5052) Hybrid Composite						
Biosensor based feature extraction and physiological parameters measurement for biomedical applications	Jegan R	International Journal of Biomedical Engineering and Technology	2018	13	Nil	Karunya Institute of technology and Sciences
A review article on impact of urbanization on hydrological parameters	Prince Arulraj G.	International Journal of Civil Engineering and Technology	2018	18	Nil	Karunya Institute of technology and Sciences
A study on characteristics of parameters influencing internal grinding process with MRR	Smart D.S.R	ARPJ Journal of Engineering and Applied Sciences	2018	21	Nil	Karunya Institute of technology and Sciences
Impact of paraffin as phase change material in concrete cubes for enhancing the thermal energy storage	Christopher Gunasingh K., Hemalatha G.	ARPJ Journal of Engineering and Applied Sciences	2017	21	Nil	Karunya Institute of technology and Sciences
Assessing the impact of paper	Devakumari M.S.	Asian Journal of Microbiology, Biotech	2018	13	Nil	Karunya Institute of technology

mill treated effluent irrigation and solid wastes amendment on soil and ground water quality A soil column study		hnology and Environmental Sciences				and Sciences
Pathogenicity of Pythium spp. in forest nurseries and its control mechanisms: A review	David Paul Raj R.S.	Asian Journal of Microbiology, Biotechnology and Environmental Sciences	2018	13	Nil	Karunya Institute of technology and Sciences
Estimation of safe setback distance between well and contamination source using bacteriophage A case study	Murugan S	Asian Journal of Microbiology, Biotechnology and Environmental Sciences	2017	13	Nil	Karunya Institute of technology and Sciences
Evaluation of dietary supplementation of pleurotus ostreatus and calocybe indica in swiss male albino mice	Renitta E.	Asian Journal of Pharmaceutical and Clinical Research	2018	26	Nil	Karunya Institute of technology and Sciences
Chemoprotective effect of edible gastropod, Xancus	Renitta E.	Asian Journal of Pharmaceutical and Clinical Research	2017	26	Nil	Karunya Institute of technology and Sciences

Pyrum and its usefulness in the amelioration of cisplatin-induced toxicity						
HPTLC method for quantitative determination of hydroxycinnamic acid derivatives in Solanum lycopersicum	Narendhirakannan R.T.	Bangladesh Journal of Pharmacology	2018	19	Nil	Karunya Institute of technology and Sciences
Biodiesel production by transesterification of a mixture of pongamia and neem oils	Mahantya B	Biofuels	2018	34	Nil	Karunya Institute of technology and Sciences
Smart technology for non-invasive biomedical sensors to measure physiological parameters	Rajasekaran K	Biomedical Engineering: Concepts, Methodologies, Tools, and Applications	2017	Nil	Nil	Karunya Institute of technology and Sciences
Acoustical properties of molecular interactions in 1-propanol, 1-butanol and 1-pentanol with tetrahydrofuran in cyclohexanone at various temperatures	Enoch M.V., IV	Biomedical Research (India)	2018	16	Nil	Karunya Institute of technology and Sciences

Spatial Prediction of Nitrate Concentration Using GIS and ANFIS Modelling in Groundwater	Prince Arulraj G.	Bulletin of Environmental Contamination and Toxicology	2018	63	Nil	Karunya Institute of technology and Sciences
3,4 Dihydroxycinnamic acid stimulates immune system function by modifying the humoral antibody response - An in vivo study	Narendhirakannan R.T.	Cellular Immunology	2017	Nil	Nil	Karunya Institute of technology and Sciences
A Simple Perceptive DiphenylimidazoleBased Dipodal SchiffBase Chemosensor for Zn <sup>2+</sup> and P <sup>+</sup> ions and Its LiveCell Imaging Applications	Nandhakumar R	ChemistrySea Simple Perceptive DiphenylimidazoleBased Dipodal SchiffBase Chemosensor for Zn <sup>2+</sup> and P <sup>+</sup> ions and Its LiveCell Imaging Applications lect	2018	17	Nil	Karunya Institute of technology and Sciences
A 21nV/Hz73 dB Folded Cascode OTA for Electroencephalograph Activity	Jackuline Moni D.	Communications in Computer and Information Science	2018	40	Nil	Karunya Institute of technology and Sciences
Data augmentation on mice liver cirrhosis microscopy	Hemanth D.J	Journal of Ambient Intelligence and Humanized Computing	2018	23	1	Karunya Institute of technology and Sciences

c images employing convolutional neural networks and support vector machine						
Effects of perfluoroalkylsilane molecular assembly on flow induced voltage generated by doped silicon wafers	Devaprakasam D.	Journal of Applied Physics	2017	294	1	Karunya Institute of technology and Sciences
An effective approach to classify epileptic EEG signal using local neighborhood pattern transformation methods	Thomas George S., Balakrishnan R., Subathra M.S.P.	Australian Physical and Engineering Sciences in Medicine	2018	27	1	karunya Institute of technology and Sciences
Vitis vinifera peel and seed gold nanoparticles exhibit chemopreventive potential, antioxidant activity and induce apoptosis through mutant p53, Bcl2 and pancytokeratin downregulation in ex	Narendhirakannan R.T.	Biomedicine and Pharmacotherapy	2017	78	1	karunya Institute of technology and Sciences

perimental animals						
Absorption refrigeration system using engine exhaust gas as an energy source	Asirvatham L.G	Case Studies in Thermal Engineering	2018	21	1	karunya Institute of technology and Sciences
One pot reflux synthesis of reduced graphene oxide decorated with silver/cobalt oxide: A novel nano composite material for high capacitance applications	Nesaraj A.S.	Ceramics International	2018	89	1	karunya Institute of technology and Sciences
Alternate deflation and inflation of search space in reweighted sampling: An effective variable selection approach for PLS model	Mahanty B.	Chemometrics and Intelligent Laboratory Systems	2018	109	1	karunya Institute of technology and Sciences
Performance enhancement of a twophase closed thermosiphon with a thin porous copper coating	Brusly Solomon A	International Communications in Heat and Mass Transfer	2017	86	12	karunya Institute of technology and Sciences

Phosphine free cobalt pincer complex catalyzed: Z selective semihydrogenation of unbiased alkynes	Subaramanian M., Madhu V., Balaraman E.	Catalysis Science and Technology	2018	86	11	karunya Institute of technology and Sciences
Synthesis, spectral characterization and biological evaluation of some copper(II) complexes containing 4oxo4Hchromene3carbaldehyde4(N)substituted thiosemicarbazones	Rajkumar S.R.J., Dharani S.	Inorganica Chimica Acta	2018	91	11	karunya Institute of technology and Sciences
A result on Ulam stability impulsive fractional integrodifferential equation	Grayna J., Kavitha V.	Journal of Physics: Conference Series	2018	24	Nil	karunya Institute of technology and Sciences
Imidazole quinoline bearing thiol probe as fluorescent electrochemical sensing of Ag and relay recognition of Proline	Thamilselvan A., Antony R	Journal of Photochemistry and Photobiology A: Chemistry	2017	145	11	karunya Institute of technology and Sciences
Photocatalytic Degradation of Rhodamine	Sarala L.,	ACS Sustainable Chemistry and Engineering	2018	65	10	karunya Institute of technology and



B Using Zinc Oxide Activated Charcoal Polyaniline Nanocomposite and Its Survival Assessment Using Aquatic Animal Model						Sciences
Naphthalene based fluorescent chemosensor for Fe <sup>2+</sup> ion detection in microbes and real water samples	Murugans	Journal of Luminescence	2017	104	10	karunya Institute of technology and Sciences
Study of structural and electrochemical properties of La <sub>2</sub> SrV <sub>2</sub> O <sub>9</sub> perovskites prepared using ball milling	Kirubakaran K	Applied Surface Science	2018	159	1	karunya Institute of technology and Sciences
Novel Electrospun Nanograined ZnO/Au Heterojunction Nanofibers and Their Ultrasensitive NO <sub>2</sub> Gas Sensing Properties	Pullithadathil B.	ChemistrySelect	2018	17	2	karunya Institute of technology and Sciences
Hybrid Lempel-Ziv-Welch and clipped histogram equalization	Manimekhalai M.A.P	Cluster Computing	2018	35	2	karunya Institute of technology and Sciences

on based medical image compression						
A combined forecast based virtual machine migration in cloud data centers	Peter J.D	Computers and Electrical Engineering	2018	49	2	karunya Institute of technology and Sciences
Improvement of adaptive HTTP streaming using advanced realtime rate adaptation	Jayakumar J.	Computers and Electrical Engineering	2017	49	2	karunya Institute of technology and Sciences
Growth mechanism of pineleaf like nano structure from the backbone of SrCO <sub>3</sub> nanorods using LaMers surface diffusion: Impact of higher surface energy ( $38.9 \text{ eV/nm}^2$ ) {111} plane stacking along $\{110\}$ ( $3.4 \text{ eV/nm}^2$ ) by first principles calculations	Palanichamy M., Chandrasekaran S.S.,	Crystal Growth and Design	2017	139	2	karunya Institute of technology and Sciences
A crab claw shaped molecular	Madhu V.	CrystEng Comm	2017	115	2	karunya Institute of technology

receptor for selective recognition of picric acid: Supramolecular selfassembly mediated aggregation induced emission and color change						and Sciences
Design, Synthesis, Spectral Analysis, In Vitro Anticancer Evaluation and Molecular Docking Studies of Some Fluorescent 4Amino2, 3 Dimethyl1Phenyl3Pyrazolin5One, Ampyrone Derivatives	Enoch I.V.M.V	Interdisciplinary Sciences: Computational Life Sciences	2017	15	2	karunya Institute of technology and Sciences
Investigation on effect of square dimples on NACA0012 airfoil with various Reynolds numbers	Gopalsamy M.	International Journal of Ambient Energy	2018	21	2	karunya Institute of technology and Sciences
Implication based fuzzy normal subgroup of a finite group	Selva Rathi M.	International Journal of Applied Engineering Research	2018	25	2	karunya Institute of technology and Sciences
Studies on	Prince Arulraj G.	International	2018	18	2	karunya Institute

behaviour of fire affected fiber reinforced concrete		Journal of Civil Engineering and Technology				of technology and Science eskarunya Institute of technology and Science eskarunya Institute of technology and Science eskarunya Institute of technology and Science eskarunya Institute of technology and Science eskarunya Institute of technology and Science eskarunya Institute of technolog
Entropy generation analysis of a miniature loop heat pipe with graphene-water nanofluid: Thermodynamics model and experimental study	Asirvatham L.G	International Journal of Heat and Mass Transfer	2017	177	19	karunya Institute of technology and Sciences
Wireless Control and Automation of Hot Air Temperature in Oven for Sterilization using Fuzzy PID Controller and Adaptive Smith	Pamela D., Godwin Premi M.S.	Wireless Personal Communications	2017	48	4	karunya Institute of technology and Sciences

Predictor						
On/Off Fluorescent Chemosensor for Selective Detection of Divalent Iron and Copper Ions: Molecular Logic Operation and Protein Binding	Enoch I.V.M.V., Mosae Selvakumar P.	ACS Omega	2018	15	3	karunya Institute of technology and Sciences
Comparative analysis of 1D HMM and 2D HMM for hand motion recognition applications	Sagayam K.M., Hemanth D.J.	Advances in Intelligent Systems and Computing	2018	25	3	karunya Institute of technology and Sciences
Optimum laplacian wavelet mask based medical image using hybrid cuckoo search - grey wolf optimization algorithm	Anitha J.	KnowledgeBased Systems	2017	94	19	karunya Institute of technology and Sciences
A dual stage adaptive thresholding (DuSAT) for automatic mass detection in mammograms	Anitha J., Dinesh Peter J., Immanuel Alex Pandian S.	Computer Methods and Programs in Biomedicine	2017	83	18	karunya Institute of technology and Sciences
Synthesis and Charac	Narendhirakannan R.,	Applied Biochemistry and Bio	2017	97	3	karunya Institute of

terization of Sygyzium cumini Nanoparticles for Its Protective Potential in High GlucoseInduced Cardiac Stress: a Green Approach	Mohanty S.	technology				technology and Sciences
Preliminary studies of PVA/PVP blends incorporated with HAP and ?TCP bone ceramic as template for hard tissue engineering	Kumar S.V.	BioMedical Materials and Engineering	2017	49	3	karunya Institute of technology and Sciences
Modal analysis of mwcnt reinforced aa5083 composite material	Robinson Smart D.S	International Journal of Civil Engineering and Technology	2017	18	1	Karunya Institute of technology and Sciences
Influence of wind loads design of Indian code compared with American code	Vincent Sam Jebadurai S., Hemalatha G.	International Journal of Civil Engineering and Technology	2017	18	1	Karunya Institute of technology and Sciences
Phishing URL detection based feature selection to classifiers	Carolin Jeeva S., Rajsingh E.B.	International Journal of Electronic Security and Digital Forensics	2017	10	1	Karunya Institute of technology and Sciences
Analysis of mathema	Manoj G	International	2018	13	1	Karunya Institute

tical modeling for renewable energy in a real time system		Journal of Mechanical Engineering and Technology				of technology and Sciences
A hybrid contextual compression technique using wavelet and contourlet transforms with PSO optimized prediction	Anitha J.	International Journal of Imaging Systems and Technology	2017	43	1	Karunya Institute of technology and Sciences
Realtime system identification of thermal process	Vijay Anand L.D	International Journal of Mechanical Engineering and Technology	2018	13	1	Karunya Institute of technology and Sciences
Analysis of edge detection algorithms for concrete crack detection	Anand N	International Journal of Mechanical Engineering and Technology	2018	13	1	Karunya Institute of technology and Sciences
Design and optimization of submersible pump impeller	Elizabeth Amudhini Stephen S.	International Journal of Mechanical Engineering and Technology	2017	13	1	Karunya Institute of technology and Sciences
Design of RF LNA with resistive feedback and gain peaking for multistandard application	Shylu D.S	International Journal of Recent Technology and Engineering	2018	Nil	1	Karunya Institute of technology and Sciences
Nonspecific amplification of	Thangamony H.H.,	Indian Journal of Medical Mi	2018	41	Nil	Karunya Institute of

human DNA by Streptococcus pneumoniae LytA primer	Kumar R., Thangavelu C.P.	Microbiology				technology and Sciences
DSPC/Cholesterol Nanoformulated 9cisRetinoic Acid has Potent Therapeutic Effect on A549 Cell Line DSPC/Cholesterol Nanoformulated 9cisRetinoic Acid has Potent Therapeutic Effect on A549 Cell Line	Berlin Grace V.M	Indian Journal of Pharmaceutical Sciences	2018	50	Nil	Karunya Institute of technology and Sciences
Exploring the structure and stability of $\alpha$ -dipeptide - A quantum chemical and molecular dynamics study	Abiram A., Praveena G.	Indian Journal of Pure and Applied Physics	2018	34	Nil	Karunya Institute of technology and Sciences
Solving the 3COL problem by using tissue P systems without environment and proteins on cells	Christinal H.A	Information Sciences	2018	154	Nil	Karunya Institute of technology and Sciences
Prediction of fusion	Sam Paul P., Shylu D.S	International Conference	2018	13	Nil	Karunya Institute of



ased tool wear with signals from inbuilt sensor turning tool		on Electrical, Electronics, Communication Computer Technologies and Optimization Techniques , ICEECCOT 2017				technology and Sciences
Experimental convective heat transfer studies on graphene nanofluid for the cooling of next generation electronic components	Jefferson Raja Bose B., Godson Asirvatham L., Kumar M.N.	International Journal of Applied Engineering Research	2018	25	Nil	Karunya Institute of technology and Sciences
Vulnerability assessment using fragility curves	Hemalatha G	International Journal of Applied Engineering Research	2017	25	Nil	Karunya Institute of technology and Sciences
A soft topological model for spatial objects with uncertain boundaries	Thangavelu P.	International Journal of Applied Mathematics	2018	1	Nil	Karunya Institute of technology and Sciences
Ideals in semiring with involution	Elavarasan B., Porselvi K.	International Journal of Applied Mathematics	2018	1	Nil	Karunya Institute of technology and Sciences
Biosensor based feature extraction and physiological parameters measurement for biomedical applicatio	Jegan R	International Journal of Biomedical Engineering and Technology	2018	13	Nil	Karunya Institute of technology and Sciences

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A review article on impact of urbanization on hydrological parameters	Prince Arulraj G.	International Journal of Civil Engineering and Technology	2018	18	Nil	Karunya Institute of technology and Sciences
A fuzzy based approach for improving seismic safety of masonry building in Kerala context	Chellaiah G.	International Journal of Civil Engineering and Technology	2018	18	Nil	Karunya Institute of technology and Sciences
Throughput intensification for IoT based subversive drainage monitoring applications in wireless sensor networks	Angelin A.C.P., Isravel D.P., Arulkumar D.	International Journal of Civil Engineering and Technology	2018	18	Nil	Karunya Institute of technology and Sciences
Weight optimization of steel trusses using genetic algorithm	Shanathi R.M., Sheela V., Gayathri R., Edwin A.	International Journal of Civil Engineering and Technology	2018	18	Nil	Karunya Institute of technology and Sciences
Yield of concrete with mineral admixture	Shruthi A., Prince Arulraj G., Jayalin D.	International Journal of Civil Engineering and Technology	2018	18	Nil	Karunya Institute of technology and Sciences
Experimental investigation on stress - Strain behavior of concrete subjected to	Paul T.D., Samuel G.R., Anand N., Arulraj G.P.	International Journal of Civil Engineering and Technology	2018	18	Nil	Karunya Institute of technology and Sciences

elevated temperature by standard fire						
Performance analysis of semi rigid connection over rigid and hinged connections	Arunraj E., Hemalatha G.	International Journal of Civil Engineering and Technology	2018	18	Nil	Karunya Institute of technology and Sciences
Data analytics for optimal water usage in agricultural lands of Southern parts of India	Deepa Kanmani S., Shamila Ebenezer A., Leela S., Mahima S.	International Journal of Civil Engineering and Technology	2018	18	Nil	Karunya Institute of technology and Sciences
Quality improvement of civil engineering products using helpful reviews from social media	Vikram G., Peter Kumar F.J.	International Journal of Civil Engineering and Technology	2018	18	Nil	Karunya Institute of technology and Sciences
Optimization of thermal comfort in office buildings using non traditional optimization techniques	Elizabeth Amudhini Stephen S.	International Journal of Civil Engineering and Technology	2018	18	Nil	Karunya Institute of technology and Sciences
Relative importance of predictor variable on digital technology use for	Samuel Joseph C., Magesh Kumar R., Grace I.	International Journal of Civil Engineering and Technology	2018	18	Nil	Karunya Institute of technology and Sciences

payments: A empirical study among generation Z in South India						
Survey of ten non traditiona l optimiza tion techniques	Elizabeth Amudhini Stephen S.	Internat ional Journal of Civil Engi neering and Technology	2018	18	Nil	Karunya Institute of technology and Sciences
Optimiza tion of indoor env ironmental quality in residentia l building using nont raditional optimizati on	Elizabeth Amudhini Stephen S.	Internat ional Journal of Civil Engi neering and Technology	2018	18	Nil	Karunya Institute of technology and Sciences
Studies on behaviour of steel confined concrete column under axial loading	Tensing D.	Internat ional Journal of Civil Engi neering and Technology	2018	18	Nil	Karunya Institute of technology and Sciences
Axial co mpression behaviour analysis of Insulated Concrete Form (ICF) wall panels	Arun Solomon A., Hemalatha G.	Internat ional Journal of Civil Engi neering and Technology	2018	18	Nil	Karunya Institute of technology and Sciences
Brand social eng agement: Learnings from Indian real estate websites	Vasudevan S., Peter Kumar F.J.	Internat ional Journal of Civil Engi neering and Technology	2018	18	Nil	Karunya Institute of technology and Sciences

Effect of annealing temperature and ultrasonication on the structural properties of beryllium oxide nanoparticles synthesized via chemical precipitation method	Merita Anto Britto T., Kingson Solomon Jeevaraj A.	Journal of Bionano science	2018	17	Nil	Karunya Institute of technology and Sciences
The evaluation of electromagnetic shielding properties of CFRP/metal mesh hybrid woven laminated composites	Tugirumubano A., Vijay S.J., Go S.H., Shin H.J., Ku K.L., Kim H.G.	Journal of Composite Materials	2018	78	Nil	Karunya Institute of technology and Sciences
Review on various approaches for resource management and job scheduling in Grid environment	Venkatesan R., Ramalakshmi K., Latha D.P.P.	Journal of Computational and Theoretical Nanoscience	2018	43	Nil	Karunya Institute of technology and Sciences
DARCH: A detailed analysis of drone challenges policy enforcements and security solutions	Livingston S.J., Chandan P.H., Simeon R.S., Vikas B.	Journal of Computational and Theoretical Nanoscience	2018	43	Nil	Karunya Institute of technology and Sciences
Design and implementation of logical sensing	Jancy Y.A., Gomathy B., Sathish	Journal of Computational and Theoretical Nanoscience	2018	43	Nil	Karunya Institute of technology and

algorithm based smart home security	Raj A.B.	nce				Sciences
Multicon text based optimal resource provisioning in mobile cloud environments	Durga S., Mohan S., Peter J.D.	Journal of Computational and Theoretical Nanoscience	2018	43	Nil	Karunya Institute of technology and Sciences
Genetic Gray Wolf improvement for Distributed Denial of Service attacks in the cloud	Velliangiri S., Cristin R., Karthikeyan P.	Journal of Computational and Theoretical Nanoscience	2018	43	Nil	Karunya Institute of technology and Sciences
Polyhedron model for three dimensional node deployment in underwater sensor network	Priyadhasini C., Kannimuthu S.	Journal of Computational and Theoretical Nanoscience	2017	43	Nil	Karunya Institute of technology and Sciences
Dynamic programming inspired virtual machine instances allocation in cloud computing	Karthikeyan P., Chandrasekaran M.	Journal of Computational and Theoretical Nanoscience	2017	43	Nil	Karunya Institute of technology and Sciences
Bridge of i35 design using pg super	Arunraj E., Jebadurai V.S.S., Daniel C., Shelton J.J., Hemalatha G.	International Journal of Civil Engineering and Technology	2018	18	Nil	Karunya Institute of technology and Sciences
A neo insight to perception of employers,	Charis Clarinda R., Christy Jeril	International Journal of Civil Engineering	2018	18	Nil	Karunya Institute of technology and

employees and customers towards csr in the digital era(A theoretical review with conceptual model)	Singh A., Anthony Raj S.	and Technology				Sciences
Theoretical review of technological impact on emotional drivers in influencing consumer decision making process on smart phones brand	Raja S., Kumar F.J.P., Sharon Sophia J.	International Journal of Civil Engineering and Technology	2018	18	Nil	Karunya Institute of technology and Sciences
A literature survey on ?impact of economic growth: A comparison between India and China?	Eben Priya A.R.P., Karthikeyan K.	International Journal of Civil Engineering and Technology	2018	18	Nil	Karunya Institute of technology and Sciences
Optimization of indoor environmental quality of an office building using ten nontraditional optimization techniques	Elizabeth Amudhini Stephen S.	International Journal of Civil Engineering and Technology	2018	18	Nil	Karunya Institute of technology and Sciences
Optimization thermal comfort in residential buildings	Elizabeth Amudhini Stephen S.	International Journal of Civil Engineering and Technology	2018	18	Nil	Karunya Institute of technology and Sciences

using nont raditional optimizati on						
Analysis of rainfall by intensi tyduration frequency (idf) curves for vamanapura m river basin, kerala	John A.S., Brema J.	Internat ional Journal of Civil Engi neering and Technology	2018	18	Nil	Karunya Institute of technology and Sciences
Mechanical and durability properties of self compacting concrete using rice husk ash and marble powder	Abraham D.S., Raman S.J., Aiswarya S.	Internat ional Journal of Civil Engi neering and Technology	2018	18	Nil	Karunya Institute of technology and Sciences
Effect of short glass fibre and fillers on friction and wear p erformance of multiph ased therm oplastic c opolyester elastomer composites	Hemanth R., Suresha B., Sekar M.	Internat ional Journal of Nanotechno logy	2017	32	Nil	Karunya Institute of technology and Sciences
Exact wirelength of embedding chord graph into treebased architectu res	Parthiban N., Ryan J., Rajasingh I., Sundara Rajan R., Nirmala Rani L.	Internat ional Journal of Networking and Virtual Or ganisation s	2017	17	Nil	Karunya Institute of technology and Sciences
A compact ultra wide band	Janapala D.K., Nesasudha M.	Internat ional Journal of RF and	2018	35	Nil	Karunya Institute of technology



bandpass filter with dual band notch designed based on composite right/left handed transmission line unit cell		Microwave ComputerAided Engineering				and Sciences
Substrate integrated waveguide slot antenna with shorting vias for broadband applications	Rekha S., Nesasudha M.	International Journal of RF and Microwave ComputerAided Engineering	2018	35	Nil	Karunya Institute of technology and Sciences
Matching images captured from unmanned aerial vehicle	Fernandes S.L., Josemin Bala G.	International Journal of Systems Assurance Engineering and Management	2018	18	Nil	Karunya Institute of technology and Sciences
Studies on controllable aircraft rescue system for passenger aircrafts using multi parachutes and parafoils	Moses J.E., Jennitta I., Wessley G.J.J.	International Journal of Vehicle Structures and Systems	2018	10	Nil	Karunya Institute of technology and Sciences
Optimized design of a microstrip patch antenna for radar applications	Neebha T.M., Nesasudha M.	International Journal of Vehicle Structures and Systems	2018	10	Nil	Karunya Institute of technology and Sciences
Ensemble		Internat	2017	23	Nil	Karunya

Method of Effective AdaBoost Algorithm for Decision Tree Classifiers	Dinakaran S., Ranjit Jeba Thangaiah P.	International Journal on Artificial Intelligence Tools				Institute of technology and Sciences
Biogas production from community waste to optimise the substrate for anaerobic digestion	Pallan A.P., Antony Raja S., Varma C.G., Mathew D., Anil K.S., Kannan A.	International Review of Mechanical Engineering	2018	18	Nil	Karunya Institute of technology and Sciences
Neighbourhood search feature selection method for contentbased mammogram retrieval	Chandy D.A., Christinal A.H	Medical and Biological Engineering and Computing	2017	87	1	Karunya Institute of Technology and Sciences
Holistic scrubber for the purification of biogas from community and household digesters	Pallan A.P., Antony Raja S., Varma C.G., Deepak Mathew D.K.	International Review of Mechanical Engineering	2018	18	Nil	Karunya Institute of technology and Sciences
An investigation of laterite as fine aggregate to develop ecofriendly mortar	Mathew B., Freeda Christy C., Joseph B.	IOP Conference Series: Materials Science and Engineering	2018	24	Nil	Karunya Institute of technology and Sciences
Geophysical investigation by electrical resistivity survey in karunya institute	Venkata Ramesh Reddy V., Mahendra Reddy M.	International Journal of Civil Engineering and Technology	2018	18	Nil	Karunya Institute of technology and Sciences

of technology and sciences campus						
Investigations of Effect of Rotary EDM Electrode on Machining Performance of Al6061 Alloy	Robinson Smart D.S., Smart J.J., Periasamy C., Samuel Ratna Kumar P.S.	IOP Conference Series: Materials Science and Engineering	2018	24	Nil	Karunya Institute of technology and Sciences
Reduction of discomfort in pushing an industrial trolley using ergonomics	Wilson Kumar M., Vijay S.J., Vasudev K.L., Darius Gnanaraj S.	IOP Conference Series: Materials Science and Engineering	2017	24	Nil	Karunya Institute of technology and Sciences
Influence of MgO particles on Microstructural and Mechanical Behaviour of AA7068 Metal Matrix Composites	Joshua K.J., Vijay S.J., Selvaraj D.P., Ramkumar P.	IOP Conference Series: Materials Science and Engineering	2017	24	Nil	Karunya Institute of technology and Sciences
Structural dynamic analysis of turbine blade	Antony D., Gopalsamy M., Viswanadh C.B.V., Krishnaraj R.	IOP Conference Series: Materials Science and Engineering	2017	24	Nil	Karunya Institute of technology and Sciences
Preliminary Investigation on the Effects of Shockwaves on Water Samples Using a	Jims John Wessley G.	IOP Conference Series: Materials Science and Engineering	2017	24	Nil	Karunya Institute of technology and Sciences

Portable SemiAutomatic Shocktube						
A Novel Approach to Develop the Lower Order Model of MultiInput MultiOutput System	Rajalaxmy P., Dharmalingam S., Jayakumar J.	IOP Conference Series: Materials Science and Engineering	2017	24	Nil	Karunya Institute of technology and Sciences
Progression in the Concepts of Cognitive Sense Wireless Networks An Analysis Report	Ajay V.P., Nesasudha M.	IOP Conference Series: Materials Science and Engineering	2017	24	Nil	Karunya Institute of technology and Sciences
Machining Chatter Analysis for High Speed Milling Operations	Sekar M., Kantharaj I., Siddhappa S.A.	IOP Conference Series: Materials Science and Engineering	2017	24	Nil	Karunya Institute of technology and Sciences
Design of Smooth Ramp Feedrate for Machining Complex NURBS Paths	Sekar M., Suresha B., Kantharaj I.	IOP Conference Series: Materials Science and Engineering	2017	24	Nil	Karunya Institute of technology and Sciences
Effect of Bearings on Vibration in Rotating Machinery	Daniel R.V., Siddhappa S.A., Gajanan S.B., Philip S.V., Paul P.S.	IOP Conference Series: Materials Science and Engineering	2017	24	Nil	Karunya Institute of technology and Sciences
Experimental Study of Thermal Energy Storage Characteristics	Krishna J., Kishore P.S., Brusly Solomon A.	IOP Conference Series: Materials Science and Engineering	2017	24	Nil	Karunya Institute of technology and Sciences

ics using Heat Pipe with NanoEnhanced Phase Change Materials		ering				
Shoreline changes at selected stretches on the ThiruvananthapuramKochi coast, southwest India	Pattar Kadavan A., Erinjery Joseph J.	ISH Journal of Hydraulic Engineering	2018	2	Nil	Karunya Institute of technology and Sciences
Enhancing the english language proficiency of undergraduate engineering students through experiential learning	Masilamani C., Sundar singh J.	IUP Journal of English Studies	2018	2	Nil	Karunya Institute of technology and Sciences
A study on the theatrical techniques employed in Brechts plays	Wilson D.D.	IUP Journal of English Studies	2017	2	Nil	Karunya Institute of technology and Sciences
Design of HMD symbology integration using OLED	Musica S.R.L	Journal of Advanced Research in Dynamical and Control Systems	2018	8	Nil	Karunya Institute of technology and Sciences
Design of HMD symbology using fiber optics	Musica S.R.L	Journal of Advanced Research in Dynamical and Control Systems	2018	8	Nil	Karunya Institute of technology and Sciences

Efficient intrusion detection using machine learning techniques	Gulzanes ther A., Kathrine J.W., Shibin D., Susanna A.	Journal of Advanced Research in Dynamical and Control Systems	2018	8	Nil	Karunya Institute of technology and Sciences
A comparative study on the performance enhancement of photovoltaic panels using different water cooling methods	Jims John Wessley G.	Journal of Advanced Research in Dynamical and Control Systems	2018	8	Nil	Karunya Institute of technology and Sciences
Digital technology integration for small restaurant business in India	David A., Sudhahar J.C., Varghese J.	International Journal of Civil Engineering and Technology	2018	18	Nil	Karunya Institute of technology and Sciences
Effect of nanocement in reducing the value of roughness coefficient	Estherrani V., Muthuk umaran N., Prince Arulraj G.	International Journal of Civil Engineering and Technology	2018	18	Nil	Karunya Institute of technology and Sciences
Studies on the properties of sustainable lightweight pervious concrete using palmyra palm shells	Rohith Kumar K., Mercy Shanthi R.	International Journal of Civil Engineering and Technology	2018	18	Nil	Karunya Institute of technology and Sciences
Influence of mineral admixture	James Alexander S., Godwin A.,	International Journal of Civil Engineering and Technology	2018	18	Nil	Karunya Institute of technology

on elastic behaviour of red soil cement concrete under flexural loading	Alexander S.	neering and Technology				and Sciences
Effect of nano materials on the resistance of concrete to chloride ion penetration	Jemimah Carmichael M., Prince Arulraj G., Sam Blessan J., Elgiva John M.	International Journal of Civil Engineering and Technology	2018	18	Nil	Karunya Institute of technology and Sciences
Antenna behaviour under different soil conditions	Anita Jones Mary Pushpa T., Sugumar D.	International Journal of Civil Engineering and Technology	2017	18	Nil	Karunya Institute of technology and Sciences
Design and development of level measurement using wireless module	Raj P.A.C., Nigel K.G.J., Pamela D.	International Journal of Civil Engineering and Technology	2017	188	Nil	Karunya Institute of technology and Sciences
Response spectrum analysis and design of case study building	Nair S., Hemalatha G., Muthupriya P.	International Journal of Civil Engineering and Technology	2017	18	Nil	Karunya Institute of technology and Sciences
Improving sustainability of a building based on orientation and wind velocity A case study using CFD	Brema J., Prathibaa K., Abraham A.A.	International Journal of Civil Engineering and Technology	2017	18	Nil	Karunya Institute of technology and Sciences
A study on traffic management	Edwin A., Jemimah	International Journal of	2017	18	Nil	Karunya Institute of

measure at vijayanagar intersection velachery	Carmichael M., Justus Reymond D., Prasanna K., Ramesh S.	Civil Engineering and Technology				technology and Sciences
A survey on video classification using action recognition regular lattice structure for maximum shear capacity	Andrew C., Fiona R.	International Journal of Engineering and Technology(UAE)	2018	18	Nil	Karunya Institute of technology and Sciences
Numerical and experimental investigation of crack in beams using frequency contour method	Nancy Debora S., Antony Godwin I., Irish Nivitha R., Rishipal Reddy L.	International Journal of Engineering and Technology(UAE)	2018	18	Nil	Karunya Institute of technology and Sciences
Feature extraction techniques for leukocyte classification A review	Baby D., Devaraj S.J.	International Journal of Engineering and Technology(UAE)	2018	18	Nil	Karunya Institute of technology and Sciences
Embedded design consideration for the implementation of food intake monitoring system: Validated using LabVIEW software	Mahesh C., Kingston Stanley P., Vijaydaniel P., Saneevi Gandhi A.	International Journal of Engineering and Technology(UAE)	2018	18	Nil	Karunya Institute of technology and Sciences
A comprehensive study on protection,	Mahesh C., Josh F.T., Sanjeevi	International Journal of Engineering	2018	18	Nil	Karunya Institute of technology



control and communication techniques: A key concept for microgrid intelligent operation	Gandhi A.	g and Technology(UAE)				and Sciences
Vehicle parking management and reservation system using lab view	Kingston Stanley P., Vijay Daniel P., Raj V., Sanjevvi Gandhi A.	International Journal of Engineering and Technology(UAE)	2018	18	Nil	Karunya Institute of technology and Sciences
Improved facial feature sets for enhancing face recognition system	Princy Suganthi Bai S., Ponmary Pushpa Latha D.	International Journal of Engineering and Technology(UAE)	2018	18	Nil	Karunya Institute of technology and Sciences
Experimental investigation of toughness enhancement in cement mortar	Jebadurai S.V.S., Tensing D., Hemalatha G., Sivar.	International Journal of Engineering, Transactions B: Applications	2018	14	Nil	Karunya Institute of technology and Sciences
Effective application of ethanol in diesel engines	Chockalingam S.R., Kumar M., Pauldoss P.	International Journal of Green Energy	2017	31	Nil	Karunya Institute of technology and Sciences
Parametric analysis of axial flux HUB motor for the electric vehicle in rural areas	Jency Joseph J., Aruldoss Albert Victoire T., Josh F.T.	International Journal of Heavy Vehicle Systems	2018	18	Nil	Karunya Institute of technology and Sciences
Influence	Maheskumar	International	2018	187	Nil	Karunya Institute

of solvent in solvothermal synthesis of Cu <sub>3</sub> SnS <sub>4</sub> : Morphology and band gap dependant electrocatalytic hydrogen evolution reaction and photocatalytic dye degradation	V., Selvaraju T., Vidhya B.	Journal of Hydrogen Energy				of technology and Sciences
Analysis of energy preservation technique based on ACRLEACH and Cyclic LEACH	Sofia V.S.A., Arockiasamy S., Thangaiah P.R.J.	International Journal of Mechanical and Production Engineering Research and Development	2017	9	Nil	Karunya Institute of technology and Sciences
Mobile entities in wireless sensor networks: Comparative study and performance analysis	Regis A.W., Rajsingh E.B.	International Journal of Mechanical and Production Engineering Research and Development	2017	9	Nil	Karunya Institute of technology and Sciences
A review on optimal design of magnetorheological damper	Daniel C., Hemalatha G., Arunraj E., Vincent Sam Jebadurai S., Sarala L.	International Journal of Mechanical and Production Engineering Research and Development	2018	9	Nil	Karunya Institute of technology and Sciences
Designing and selection of reliability	Jemmy Joyce V., Rebecca Jebaseeli Edna K.	International Journal of Mechanical and	2018	9	Nil	Karunya Institute of technology and

lity based sampling plans		Production Engineering Research and Development				Sciences
Prediction of effect of refrigeration system parameters on the performance of a vapour compression refrigeration system using design of experiments	Prabha C., Arunkumar S.P., Prabu K.	International Journal of Mechanical and Production Engineering Research and Development	2018	9	Nil	Karunya Institute of technology and Sciences
Artificial neural network and particle swarm optimization hybrid intelligence for predicting cutting force during hard turning of h13 tool steel with minimal cutting fluid application	Beatrice B.A., Kirubakaran E., Leo Dev Wins K., Gopan V., Thangaiyah P.R.J.	International Journal of Mechanical and Production Engineering Research and Development	2018	9	Nil	Karunya Institute of technology and Sciences
Wear rate prediction of friction stir welded dissimilar aluminum alloy by ANN	Raja R.	International Journal of Mechanical and Production Engineering Research and Development	2018	9	Nil	Karunya Institute of technology and Sciences

Experimental investigations of effect of heated abrasives on abrasive jet coating removal rate on the soft base materials	Balasubramanian K., Robin Smart D.S., Vimal J.	International Journal of Mechanical and Production Engineering Research and Development	2018	9	Nil	Karunya Institute of technology and Sciences
Visual tracking with conditionally adaptive multiple template update scheme for intricate videos	Joy E., Peter J.D.	Multimedia Systems	2018	53	1	Karunya Institute of Technology and Sciences
Mixed two sided complete chain sampling plans for maximum allowable variance	Rebecca Jebaseeli Edna K., Jemmy Joyce V.	International Journal of Mechanical and Production Engineering Research and Development	2018	9	Nil	Karunya Institute of technology and Sciences
Image processing based tailor made software package for the condition monitoring of grinding wheel	Gopan V., Leo Dev Wins K., Surendran A.	International Journal of Mechanical and Production Engineering Research and Development	2018	9	Nil	Karunya Institute of technology and Sciences
A study on weld quality characteristics of plasma ARC welding of hastelloy	George J., Anthuvan Stephen Edberk J.	International Journal of Mechanical and Production Engineering Research	2018	9	Nil	Karunya Institute of technology and Sciences

C276 sheets		and Development				
Experimental investigation on thin sheets of SS316L in gas tungsten arc welding process	Anthuvan Stephen Edberk J., Phillip Winston J., Jervis Solomon S., Samuel Jenson E., Joel Sagayaraj J.	International Journal of Mechanical and Production Engineering Research and DevelopmentV	2018	9	Nil	Karunya Institute of technology and Sciences
Assessment of cable tension using vibration based methodologies for wireless structural health monitoring	Nancy Debora S., Raja R., Jannet S., Reddy R., Jackson Vasanth J., Abhijit Menon U.	International Journal of Mechanical and Production Engineering Research and Development	2018	9	Nil	Karunya Institute of technology and Sciences
Artificial neural network and particle swarm optimization hybrid intelligence for predicting cutting force during hard turning of h13 tool steel with minimal cutting fluid application	Anuja Beatrice B., Kirubakaran E., Leo Dev Wins K., Gopan V., Anjit Jeba Thangaiah P.R.	International Journal of Mechanical and Production Engineering Research and Development	2018	9	Nil	Karunya Institute of technology and Sciences
Evaluation of hardness and corrosion	George L., Robinson Smart D.S.	International Journal of Mechanical and Production	2018	9	Nil	Karunya Institute of technology and Sciences

behaviour of Al 7075/TiB2 / Cr2O3 composite		Engineering Research and Development				
A proactive flow admission and rerouting scheme for load balancing and mitigation of congestion propagation in SDN data plane	Smimesh C.N., Grace Mary Kanaga E., Ranjitha K.	International Journal of Computer Networks and Communications	2018	4	Nil	Karunya Institute of technology and Sciences
A novel proactive Health Aware Fault Tolerant (HAFT) scheduler for computational grid based on resource failure data analytics	Ebenezer A.S., Rajsingh E.B., Kaliaperumal B.	International Journal of Computers and Applications	2018	12	Nil	Karunya Institute of technology and Sciences
Design of open content social learning based on the activities of learner and similar learners	Jayakumar J., Thavavel V., Arumugam M., Poornaselvan K.J.	International Journal of Distance Education Technologies	2017	17	Nil	Karunya Institute of technology and Sciences
Study on the influence of magnetorheological fluid on tool	Paul P.S	International Journal of Dynamics and Control	2017	13	Nil	Karunya Institute of technology and Sciences

vibration during end milling process						
Effect of reynolds number and weber number on the estimation of droplet size for an injector	Sunny K.A., Justin A., Kumar N.M.	International Journal of Mechanical Engineering and Technology	2018	13	Nil	Karunya Institute of technology and Sciences
A new green energy interface for telecommunications	Margaret Amutha W	International Journal of Electronics	2018	47	Nil	Karunya Institute of technology and Sciences
An Efficient Data Transmission in VANET Using Clustering Method	Evangeline C.S., Appu S.	International Journal of Electronics and Telecommunications	2017	17	Nil	Karunya Institute of technology and Sciences
Mathematical analysis of real time data mining model for the medical and health care application	Samson Immanuel J., Manoj G., Prince S.	International Journal of Mechanical Engineering and Technology	2018	13	Nil	Karunya Institute of technology and Sciences
Effective design and analysis of PEDElec Ebike using MBD approach	Paul Sathiyas., Daniel, Benin Pratap C.	International Journal of Mechanical Engineering and Technology	2018	13	Nil	Karunya Institute of technology and Sciences
SVMRFE based approach for prediction	Jeya Sundara Sharmila D.	Genomics Data	2017	13	2	karunya Institute of technology and

of most discriminatory gene target for type II diabetes						Sciences
Experimental evaluation of tensile strength of GFRP laminates with silica and study on their drilling behaviour	Raja R., Jannet S., Rajesh Ruban S.	International Journal of Mechanical Engineering and Technology	2018	13	Nil	Karunya Institute of technology and Sciences
Implementation strategy of social helpful reviews for product quality improvements - A special reference to engineering products	Vikram G., Kumar F.J.P.	International Journal of Mechanical Engineering and Technology	2018	13	Nil	Karunya Institute of technology and Sciences
Design and fabrication of an automated seat pan and armrest height adjustable chair	Vijay S.J., Masepogu Wilson Kumar S	International Journal of Mechanical Engineering and Technology	2018	13	Nil	Karunya Institute of technology and Sciences
Development of baked elephant foot yam ( Amorphophallus paeonifolius) chips	Abraham D., Chinna thambi D.P.P., Joy J.A.	International Journal of Mechanical Engineering and Technology	2018	13	Nil	Karunya Institute of technology and Sciences
Product	Vijila	Internat	2018	13	Nil	Karunya



control for non destructive components in intermittent production process through average outgoing quality with MCCCHSP(C 1 , C 2 , I,J) algorithm	M., Jansi J., Divya P.S.	ional Journal of Mechanical Engineering and Technology				Institute of technology and Sciences
A critical study on non traditional optimization methods in optimizing engineering problems	Jagan T., Elizabeth Amudhini Stephen S., Poonkodi M.	International Journal of Mechanical Engineering and Technology	2018	13	Nil	Karunya Institute of technology and Sciences
Development of a multi-layer security surveillance system for enhanced protection	Joy R.C., Rajan A.A., Joshua J.P., Shinelet G.	International Journal of Mechanical Engineering and Technology	2018	13	Nil	Karunya Institute of technology and Sciences
A critical study on ten non traditional optimization methods in solving engineering problems	Rejula Mercy J., Elizabeth Amudhini Stephen S.	International Journal of Mechanical Engineering and Technology	2018	13	Nil	Karunya Institute of technology and Sciences Karunya Institute of technology and Sciences Karunya Institute of technology and Sciences
Cost minimization of shell	Elizabeth Amudhini	International Journal of	2018	13	Nil	Karunya Institute of

and tube heat exchanger using non traditional optimization	Stephen S.	Mechanical Engineering and Technology				technology and Sciences
Chairless lumbar pain reduction	Delicia Elisheba D., Britto Y., Christina V.P.F.	International Journal of Mechanical Engineering and Technology	2018	13	Nil	Karunya Institute of technology and Sciences
A critical review on the optimization methods in solving exam timetabling and scheduling	Stephen E.A.	International Journal of Mechanical Engineering and Technology	2018	13	Nil	Karunya Institute of technology and Sciences Karunya Institute of technology and Sciences
Enhancement of a four cylinder HCNG mixed fuel engine with control of NOx emission using lean burn concept	Suresh M., Mohanasundaram S., Raj R.S., Balasubramanian K., Thipse S.S.	International Journal of Mechanical Engineering and Technology	2018	13	Nil	Karunya Institute of technology and Sciences
Development of mechanical based solar panel tracking system using FPGA	Jegan R., AnanthaChristu Raj X.P., Ramesh Kumar P., Nimi W.S.	International Journal of Mechanical Engineering and Technology	2018	13	Nil	Karunya Institute of technology and Sciences
Experimental evaluation	Pradeep Kumar J., Robinson	International Journal of	2018	13	Nil	Karunya Institute of

of strength and wear rate of AA 7075/TAC/S i 3 N 4 /Ti nano hybrid metal matrix composite	Smart D.S., Selvan C.P.	Mechanical Engineering and Technology				technology and Sciences
Finite element analysis of composites under different load conditions with the effect of hybridization of glass reinforcement on Kevlar fibres	Paul A.J., Gnanaraj S.D.	International Journal of Mechanical Engineering and Technology	2018	13	Nil	Karunya Institute of technology and Sciences
Determination of equitable edge chromatic number for the splitting of helm and sunlet graphs	Veninstine Vivik J., John C.G., Merlin S.	International Journal of Mechanical Engineering and Technology	2018	13	Nil	Karunya Institute of technology and Sciences
Experimental study of thermophysical properties of graphene water nanofluid below boiling temperature	Johnson M., Bose J.R., Livingston J.	International Journal of Mechanical Engineering and Technology	2018	13	Nil	Karunya Institute of technology and Sciences
A new similarity measure based on cotangent	Jude Immaculate H., Ebenanjar E.,	International Journal of Mechanical Engineering	2018	13	Nil	Karunya Institute of technology and

function for multi period medical diagnosis	Terence S.	g and Technology				Sciences
A fast and compact multiplier for digital signal processors in sensor driven smart vehicles	Dhanasekar S., Suriavel Rao R.S., Victor Du John H.	International Journal of Mechanical Engineering and Technology	2018	13	Nil	Karunya Institute of technology and Sciences
Simplicity of the lattice of convex sublattices	Sheeba Merlin G., Vethamanickam A.	International Journal of Mechanical Engineering and Technology	2018	13	Nil	Karunya Institute of technology and Sciences
Weight minimization of speed reducer design problem using PSO, SA, PS, Godlike, Cuckoo, FF, FP, ALO, GSA and MVO	Christu N.D.D., Stephen S.E.A.	International Journal of Mechanical Engineering and Technology	2018	13	Nil	Karunya Institute of technology and Sciences
The contradictions of integrating CSR into marketing in the techno world as a business strategy	Amudha R.	International Journal of Mechanical Engineering and Technology International Journal of Mechanical Engineering and Technology	2018	13	Nil	Karunya Institute of technology and Sciences
Design and implementation of alternator for	Victor Du J.H., Suriavel Rao R.S., Dhanasekar S.	International Journal of Mechanical Engineering and	2018	13	Nil	Karunya Institute of technology and Sciences

seamless energy tapping using renewable energy sources		Technology				
Comparative analysis of solitary lung nodule classification using different functions of back propagation neural network	Malin Bruntha P., Victor Du John H., Suriavel Rao R.S., Immanuel Alex P.S.	International Journal of Mechanical Engineering and Technology	2018	13	Nil	Karunya Institute of technology and Sciences
Product of implication based fuzzy subgroups of finite groups	Selva Rathi M., Wilfred C.B., Michael A.S.J.	International Journal of Mechanical Engineering and Technology	2018	13	Nil	Karunya Institute of technology and Sciences
Lifecycle cost comparison of electric boosted and natural gas boosted solar water heating systems	Kumar N.M., Babu Rao G., Sunny K.A., Mahmudul H.M.	International Journal of Mechanical Engineering and Technology	2018	13	Nil	Karunya Institute of technology and Sciences
Usage of parallel manipulator for external chest compressions during cardiopulmonary resuscitation An experiment	Rao G.B., Kumar M.W., Sahu M., Rao G.A., Kumar N.M.	International Journal of Mechanical Engineering and Technology	2018	13	Nil	Karunya Institute of technology and Sciences

al study on feedback manikin						
Mixed continuous multifunctions	Thangavelu P., Premakumari S., Xavier P.	International Journal of Mechanical Engineering and Technology	2018	13	Nil	Karunya Institute of technology and Sciences
Technological determinants of smart phone brand performance: Significant analysis of customer choice on brands	Raja S., Peter Kumar F.J., Sharon Sophia J.	International Journal of Mechanical Engineering and Technology	2018	13	Nil	Karunya Institute of technology and Sciences
Energy efficient offgrid novel PVT module for a rural health clinic	Benin Pratap C., Shine Let G., Mathew F.M., Sylvia T.	International Journal of Mechanical Engineering and Technology	2018	13	Nil	Karunya Institute of technology and Sciences
The most, least and moderately influencing factors of teaching technology adoption in management education in India	Kalpna Sai B., Anthony Raj S.	International Journal of Mechanical Engineering and Technology	2018	13	Nil	Karunya Institute of technology and Sciences
Scope for data enabled infrastructure in petrochemical industries : A solution to	Pradeep Kumar J., Lakshmi Ravuri V.S., Saritha B., Kanchikere J., Sreenivasulu T.,	International Journal of Mechanical Engineering and Technology	2018	13	Nil	Karunya Institute of technology and Sciences

midstream operating challenges	Babu Rao G.					
Global behaviour of third order neutral delay difference equations	Gomathi Jawahar G., Jesinta haangel R.	International Journal of Mechanical Engineering and Technology	2018	13	Nil	Karunya Institute of technology and Sciences
Evaluation of mechanical properties of AL6061 reinforced with ZRB 2 SIC hybrid metal matrix composites	Ruban S.R., Wins K.L.D., Boopathi M.M., Richard A.A.	International Journal of Mechanical Engineering and Technology	2018	13	Nil	Karunya Institute of technology and Sciences
Design and development of vehicle monitoring system through black box in a car	Mary X.A., Jegan R., Rose L., Raj P.A.C.	International Journal of Mechanical Engineering and Technology	2018	13	Nil	Karunya Institute of technology and Sciences
Effect of inhibitive influence of aqueous extract of Fenugreek sprouts on the corrosion of aluminium in 1N NaOH	Levin Daniel J.V., Daniel C., Shelton J.J., Raj E.A., Sam Jebadurai S.V., Hemalatha G.	International Journal of Mechanical Engineering and Technology	2018	13	Nil	Karunya Institute of technology and Sciences
Bacillus lipopeptides: powerful capping and dispersing agents of silver nanoparticles	Rangarajan V.	Applied Nanoscience (Switzerland)	2018	Nil	1	karunya Institute of technology and Sciences

Solvent assisted formation of ruthenium(II)/copper(I) complexes containing thiourea derivatives : Synthesis, crystal structure, density functional theory, enzyme mimetics and in vitro biological perspectives	Nandhakumar R.,	Applied Organometallic Chemistry	2017	66	1	karunya Institute of technology and Sciences
Biological evaluation of organometallic palladium(II) complexes containing 4hydroxybenzoic acid (3ethoxy2hydroxybenzylidene)hydrazide: Synthesis, structure, DNA/protein binding, antioxidant activity and cytotoxicity	Nandhakumar R.	Applied Organometallic Chemistry	2017	66	1	karunya Institute of technology and Sciences
Pure and cobalt substituted zinc ferrite magnetic ceramics for supercapacitor applications	Sakunthala A.	Applied Physics A: Materials Science and Processing	2018	137	1	karunya Institute of technology and Sciences



Study of structural and electrochemical properties of La <sub>2</sub> SrV <sub>2</sub> O <sub>9</sub> perovskites prepared using ball milling	Nallamuthu G., Thangavel S., Kirubakaran K.,	Applied Surface Science	2018	159	1	karunya Institute of technology and Sciences
Hydrothermal synthesis of spherical NiCO <sub>2</sub> O <sub>4</sub> nanoparticles as a positive electrode for pseudocapacitor applications	Sakunthala A.	Journal of SolGel Science and Technology	2017	81	8	karunya Institute of technology and Sciences
An augmented reality supported mobile application for diagnosis of heart diseases	Hemanth J.D.	Journal of Supercomputing	2018	49	8	karunya Institute of technology and Sciences
Investigation of DCRF and breakdown behaviour in Lg 20 nm novel asymmetric GaAs MHEMTs for future sub millimetre wave applications	Ajayan J.	AEU International Journal of Electronics and Communications	2018	48	7	karunya Institute of technology and Sciences
Selective Separation of Dyes and Brine Recovery from	Michael N	Chemical Engineering and Technology	2018	68	7	karunya Institute of technology and Sciences

Textile Wastewater by Nanofiltration Membranes						
Synergistic effect of LDH in the presence of organophosphate on thermal and flammable properties of an epoxy nano composite	Samson A.J., Selvan G.T., Enoch I.V.M.V., Selvakumar P.M.	Applied Clay Science	2017	109	16	karunya Institute of technology and Sciences
Power generation enhancement with hybrid thermoelectric generator using biomass waste heat energy	Jayakumar J., Asirvatham L.G., Marshall J.J	Experimental Thermal and Fluid Science	2017	91	16	karunya Institute of technology and Sciences
A new fluorescent chemosensor for cadmium(II) based on a pyrene appended piperidone derivative and its cyclodextrin complex	Enoch I.V.M.V.	Luminescence	2018	40	3	karunya Institute of technology and Sciences
20nm enhancement mode metamorphic GaAs HEMT with highly doped InGaAs source/drain regions for high frequency ap	Ajayan J., Nirmal D.	International Journal of Electronics	2017	47	15	karunya Institute of technology and Sciences

plications						
Mathematical modeling of the corrosion response of aluminium 5052/tungsten carbide/graphite hybrid composite [Mathematische Modellierung der Korrosionsreaktion von Aluminium 5052/Wolframkarbid/GraphitHybridVerbundwerkstoff]	Velmurugan C.	Materialwissenschaft und Werkstofftechnik	2018	33	1	Karunya Institute of Technology and Sciences
Large scale fabrication of asymmetric 2D and 3D micro/nano array pattern structures using multibeam interference lithography technique for Solar cell texturing application	Moni D.J	Microsystem Technologies	2018	57	1	Karunya Institute of Technology and Sciences
Design of circularly polarized planar monopole antenna with improved axial ratio	Nesasudha M.	Microwave and Optical Technology Letters	2017	68	1	Karunya Institute of Technology and Sciences

bandwidth						
Effect of Nanoparticle Coating on the Performance of a Miniature Loop Heat Pipe for Electronics Cooling Applications	Godson Asirvatham L.	Journal of Heat Transfer	2018	111	6	karunya Institute of technology and Sciences
Performance enhanced image steganography systems using transforms and optimization techniques	Uma Maheswari S., Jude Hemanth D.	Multimedia Tools and Applications	2017	52	6	karunya Institute of technology and Sciences
Cyclometallated ruthenium(II) complexes with 3acetyl2[H]chromene2one derived CNS chelating ligand systems: Synthesis, Xray characterization and biological evaluation	Muthukumar Nadar M.S.A.	New Journal of Chemistry	2018	112	6	karunya Institute of technology and Sciences
Nonfragile finite-time state estimation for discrete-time neural networks with semiMarkovian switching	Maheswari K.	Nonlinear Analysis: Hybrid Systems	2018	46	6	karunya Institute of technology and Sciences

and random sensor delays based on Abel lemma approach						
Design of human blood sensor using symmetric dual core photonic crystal fiber	Kumar K.V.	Results in Physics	2018	27	6	karunya Institute of technology and Sciences
Electron deficient tripodamide based receptor: An exclusive turnon fluorescent and colorimetric chemo sensor for cyanide ion	Paulraj M.S.	Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy	2018	104	6	karunya Institute of technology and Sciences
Investigation of Ge based double gate dual metal tunnel FET novel architecture using various heterodielectric materials	Nirmal D.	Superlattices and Microstructures	2017	66	6	karunya Institute of technology and Sciences
An efficient and improved multiobjective optimized replication management	Edwin E.B.	Cluster Computing	2017	35	5	karunya Institute of technology and Sciences

with dynamic and cost aware strategies in cloud computing data center						
Wireless sensor networks based smart bin	Moni D.J.	Computers and Electrical Engineering	2017	49	5	karunya Institute of technology and Sciences
Durability studies on polyethylene terephthalate (pet) fibre reinforced concrete	Tensing D.	International Journal of Civil Engineering and Technology	2017	18	5	karunya Institute of technology and Sciences
Strength and permeability studies on concrete with nanocement	Prince Arulraj G.	International Journal of Civil Engineering and Technology	2017	18	5	karunya Institute of technology and Sciences
Experimental study of condensation heat transfer on hydrophobic vertical tube	Asirvatham L.G.	International Journal of Heat and Mass Transfer	2018	177	5	karunya Institute of technology and Sciences
Structural and molecular docking studies of biologically active mercaptopyrimidine Schiff bases	Enoch I.V.M.V., Selvakumar P.M	Journal of Molecular Structure	2017	89	14	karunya Institute of technology and Sciences
Comparative studies on	Selvaraju T., Vidhya	International Journal of	2018	187	5	karunya Institute of

the electrocatalytic hydrogen evolution property of Cu <sub>2</sub> SnS <sub>3</sub> and Cu <sub>4</sub> SnS <sub>4</sub> ternary alloys prepared by solvothermal method	B.	Hydrogen Energy				technology and Sciences
Experimental investigation of high speed drilling of glass fiber reinforced plastic (GFRP) composite laminates made up of different polymer matrices	Raja R., Jannet S.	International Journal of Mechanical and Production Engineering Research and Development	2017	9	5	karunya Institute of technology and Sciences
Modelling of optimal tilt angle for solar collectors across eight indian cities	Narciss Starbell R.	International Journal of Renewable Energy Research	2017	23	5	karunya Institute of technology and Sciences
In situ synthesis of Co <sub>3</sub> O <sub>4</sub> /graphite nanocomposite for high performance supercapacitor electrode applications	Gopalakrishnan M.	Applied Surface Science	2017	159	22	karunya Institute of technology and Sciences
Measurement of the	Sundari K.G.,	Research Journal of	2017	14	2	karunya Institute

Thermophysical properties of Al <sub>2</sub> O <sub>3</sub> /glycerin (G13) nanofluid for automotive radiator cooling applications	Asirvatham L.G.	Chemistry and Environment				of technology and Sciences
Design of temperature sensor using twisted photonic crystal fiber	Vinoth Kumar K	Results in Physics	2018	27	2	karunya Institute of technology and Sciences
Investigations on the Effect of Tungsten Carbide and Graphite Reinforcements during Spark Erosion Machining of Aluminium Alloy (AA 5052) Hybrid Composite	Dhas D.S.E.J., Velmurugan C., Wins K.L.D.	Silicon	2018	19	2	karunya Institute of technology and Sciences
Temperature induced CuInSe <sub>2</sub> nanocrystal formation in the Cu <sub>2</sub> SeIn <sub>3</sub> Se <sub>2</sub> multilayer thin films	Rajesh S.	Superlattices and Microstructures	2017	66	2	karunya Institute of technology and Sciences
Adsorptive removal of carbamazep	Mahanty B.,	Water (Switzerland)	2017	33	2	karunya Institute of technology



ine and di atrizoate in iron oxide nano particles amended sand column mimicing managed aquifer recharge						and Sciences
Investig ation on the morphology and photoc atalytic activity of Cu <sub>3</sub> SnS <sub>4</sub> synthesize d by ball milling and solvot hermal method	Maheskumar V., Vidhya B.	Journal of Photoch emistry and Photob iology A: Chemistry	2018	145	2	karunya Institute of technology and Sciences
Synthesis of chemical and electr ochemical 'off-on-of f' fluores cent switches of new 5Hb enzo[b]car bazole6,11 dione deri vatives	Vasanthk umar S.	Journal of Saudi Chemical Society	2017	34	2	karunya Institute of technology and Sciences
Catechol oxidase, p hosphatase like activity, DNA/BSA binding studies of Ru II complexes of Sallyld ithiocarba zate: synthesis and spectral	Nandhaku mar R.	Journal of the Brazilian Chemical Society	2017	61	2	karunya Institute of technology and Sciences

studies						
Secured Self Organizing Network Architecture in Wireless Personal Networks	Raj J.S.	Wireless Personal Communications	2017	48	2	karunya Institute of technology and Sciences
An Efficient Hardware Architecture for High Throughput AES Encryptor Using MUX Based Sub Pipelined SBox	Siva Mangai N.M.	Wireless Personal Communications	2017	48	2	karunya Institute of technology and Sciences
Impact of Electrical Conductivity on the Electrochemical Performances of Layered Structure Lithium Trivanadate (LiV <sub>3</sub> xMxO <sub>8</sub> , M Zn/Co/Fe/Sn/Ti/Zr/Nb/Mo, x 0.010.1) as Cathode Materials for Energy Storage	Kumar P.S	ACS Omega	2018	15	1	karunya Institute of technology and Sciences
Chaotic social spider algorithm for load balance aware task scheduling in cloud computing	Arul Xavier V.M	Cluster Computing	2018	35	6	karunya Institute of technology and Sciences
Facile and	Ramesh P.,	Materials	2017	124	2	karunya Institute

effective oxidation of graphite using sodium metaperiodate		Letters				of technology and Sciences
Effective client driven threelevel rate adaptation (TLRA) approach for adaptive HTTP streaming	Jayakumar J.	Multimedia Tools and Applications	2018	52	2	karunya Institute of technology and Sciences
A uniform family of tissue P systems with protein on cells solving 3coloring in linear time	Christinal A.H.,	Natural Computing	2018	34	2	karunya Institute of technology and Sciences
Molecular dynamics of sialic acid analogues complex with cholera toxin and DFT optimization of ethylene glycolmediated zinc nanocluster conjugation	Sharmila D.J.S	Journal of Biomolecular Structure and Dynamics	2017	58	1	Karunya Institute of technology and Sciences
Synthesis of Polyphenon60 Functionalized Bimetallic	Rajesh S	Journal of Cluster Science	2017	39	1	Karunya Institute of technology and Sciences

Ag-Pt Nano structures that Inhibit Proliferation of SiHa Cells						
Internet of things based pest management using natural pesticides for small scale organic gardens	Venkatesan R., Jasper G., Kathrine W	Journal of Computational and Theoretical Nanoscience	2018	43	1	Karunya Institute of technology and Sciences
A forward secure signature scheme with ciphertext authentication for payment systems using conic curve cryptography	Rajsingh E.B., Silas S.	Journal of King Saud University Computer and Information Sciences	2018	19	1	Karunya Institute of technology and Sciences
Experimental investigations on the performance and emission characteristics of a common rail direct injection engine using tyre pyrolytic biofuel	Jawahar C.P	Journal of King Saud University Engineering Sciences	2018	20	1	Karunya Institute of technology and Sciences
Development of tungsten disulfide ZnO nanohybrid	Obadiah A., Vasant Kumar S.	Journal of Materials Science: Materials in Electro	2018	63	1	Karunya Institute of technology and Sciences

photocatalyst for organic pollutants removal		Journal of Materials Science: Materials in Electronics				
Effect of strain in PbSe/ZnPc stacked layers prepared by thermal evaporation method	Vidhya B., Rajesh S.	Journal of Materials Science: Materials in Electronics	2018	63	1	Karunya Institute of technology and Sciences
Thermal performance of a vapor chamber for electronic cooling applications	Asirvatham L.G.	Thermal performance of a vapor chamber for electronic cooling applications	2017	Nil	1	Karunya Institute of technology and Sciences
Structural, spectral, DFT and biological studies on macrocyclic mononuclear ruthenium (II) complexes	Enoch I.V.M.V.,	Journal of Molecular Structure	2017	89	1	Karunya Institute of technology and Sciences
Development of tungsten disulfide ZnO nanohybrid photocatalyst for organic pollutants removal	Obadiah A., Vasant hkumar S.	Journal of Materials Science: Materials in Electronics	2018	63	1	Karunya Institute of technology and Sciences
Effect of strain in PbSe/ZnPc stacked layers prepared by thermal evaporation	Vidhya B., Rajesh S.	Journal of Materials Science: Materials in Electronics	2018	Nil	1	Karunya Institute of technology and Sciences

n method						
Thermal performance of a vapor chamber for electronic cooling applications	Asirvatham L.G.	Thermal performance of a vapor chamber for electronic cooling applications	2017	Nil	1	Karunya Institute of technology and Sciences
Voltammetric determination of the anticancer drug nilutamide using a screenprinted carbon electrode modified with a composite prepared from cyclodextrin, gold nanoparticles and graphene oxide	Karthik R., Karikalan N., Chen S.M., Gnanaprakasam P., Karuppiyah C.	Microchimica Acta	2017	Nil	16	karunya Institute of technology and Sciences
Enhanced hydroxyapatite nanorods formation on graphene oxide nanocomposite as a potential candidate for protein adsorption, pH controlled release and an effective drug delivery platform for cancer therapy	Bharath G	Analytical Methods	2017	52	11	karunya Institute of technology and Sciences

A comparative study on various state of the Art face recognition techniques under varying facial expressions	Bala J.	International Arab Journal of Information Technology	2017	22	9	karunya Institute of technology and Sciences
Electron scavenger assisted photocatalytic degradation of amido black 10B dye with Mn3O4 nanotubes: A response surface methodology study with central composite design	Govindan K., Chandran H.T., Raja M., Maheswari S.U., Rangarajan M.	Journal of Photochemistry and Photobiology A: Chemistry	2017	145	9	karunya Institute of technology and Sciences
New pyrazoloquinoline scaffold as a reversible colorimetric fluorescent probe for selective detection of Zn <sup>2+</sup> ions and its imaging in live cells	Raju N., Mahalingam M., Sadasivam M., Palathurai Subramanian M., Ramasamy S.	Journal of Photochemistry and Photobiology A: Chemistry	2017	145	7	karunya Institute of technology and Sciences
A novel decision support for composite sketch matching using fusion of	Fernandes S.L., Bala J.G.	Current Medical Imaging Reviews	2017	22	6	karunya Institute of technology and Sciences

probabilistic neural network and dictionary matching						
Naringenin Decreases $\alpha$ -Synuclein Expression and Neuroinflammation in MPTPI Induced Parkinson's Disease Model in Mice	Sekar S., Barathidasan R., Manivasagam T., Thenmozhi A.J.,	Neurotoxicity Research	2018	65	6	karunya Institute of technology and Sciences
Palm biodiesel prospect in the Indonesian power sector	Indrawan N., Thapa S.	Environmental Technology and Innovation	2017	14	5	karunya Institute of technology and Sciences
Investigations on the structural, optical and visible light photocatalytic activity of Cu <sub>3</sub> SnS <sub>4</sub> prepared by mechanical alloying	Vidhya B.	Journal of Materials Science: Materials in Electronics	2017	63	3	karunya Institute of technology and Sciences
Event triggered reliable synchronization of semiMarkovian jumping complex dynamical networks via generalized integral inequalities	Sivaranjani K., Rakkuyappan R.	Journal of the Franklin Institute	2018	71	3	karunya Institute of technology and Sciences



Fused heterocycles possessing novel metalfree organic dyes for dyesensitized solar cells	Stalindurai K, Tamilselvan A., Ramalingam C.	Tetrahedron	2017	209	3	karunya Institute of technology and Sciences
A Hybrid Strategy for Resource Allocation and Load Balancing in Virtualized Data Centers Using BSO Algorithms	Jeyakrishnan V., Sengottuvan P.	Wireless Personal Communications	2017	48	3	karunya Institute of technology and Sciences
A comparative metagenomic analysis of HPV strains: A step towards the design, synthesis and characterization of novel quinoxaline derivative for antiviral activity	Devadas A., Muthiah I.	Computational Biology and Chemistry	2018	55	2	karunya Institute of technology and Sciences
Investigation and reduction methods of specific absorption rate for biomedical applications: A survey	Hemanth D.J.	International Journal of RF and Microwave ComputerAided Engineering	2018	Nil	1	Karunya Institute of technology and Sciences
Bandwidth improvement of a	Nesasudha M.	IOP Conference Series: Materials	2017	24	1	Karunya Institute of technology

rear end slot antenna on a Substrate Integrated Waveguide cavity		Science and Engineering				and Sciences
An Improved Method to Control the Critical Parameters of a Multi variable Control System	Wessley G.J.J.	IOP Conference Series: Materials Science and Engineering	2017	24	1	Karunya Institute of technology and Sciences
Design and Optimization of Aerospike nozzle using CFD	Antony D	IOP Conference Series: Materials Science and Engineering	2017	24	1	Karunya Institute of technology and Sciences
Investigation of hybrid integrating wind solar energy source into distribution grid with condensed harmonics	Vinoth Kumar K.	Journal of Advanced Research in Dynamical and Control Systems	2017	8	1	Karunya Institute of technology and Sciences
FPGA implementation of elephant recognition in infrared images to reduce the computational time	Chandy D.A.	Journal of Ambient Intelligence and Humanized Computing	2018	23	1	Karunya Institute of technology and Sciences
Automated detection of epileptic seizure using	Subathra M.S.P.	Communications in Computer and Information Science	2018	40	Nil	Karunya Institute of technology and Sciences

histogram of oriented gradients for analysing time frequency images of EEG signals						
Illumination and communication using LED as light source in underground mines	Nesa Sudha M.	Communications in Computer and Information Science	2018	40	Nil	Karunya Institute of technology and Sciences
Intelligent system for cross spectral and cross distance face matching	Chandy D.A.	Computers and Electrical Engineering	2018	49	Nil	Karunya Institute of technology and Sciences
An experimental study on combined effects of glass fiber and Metakaolin on the rheological, mechanical, and durability properties of selfcompacting concrete	Prince Arulraj G.	Applied Clay Science	2017	109	9	karunya Institute of technology and Sciences
A short review on preparation of graphene from waste and bioprecursors	Thangavel S., Venugopal G.	Applied Materials Today	2017	23	9	karunya Institute of technology and Sciences
A dual analyte fluorescent	Prabhu J.	Spectrochimica Acta Part	2017	104	9	karunya Institute of

chemosensor based on a furanpyrene conjugate for Al3 amp HSO3?		A: Molecular and Biomolecular Spectroscopy				technology and Sciences
Performance analysis of (Bi2Te3 PbTe) hybrid thermoelectric generator	Angeline A.A., Jayakumar J., Asirvatham L.G.	International Journal of Power Electronics and Drive Systems	2017	13	8	karunya Institute of technology and Sciences
Microstructure and mechanical characterization of in situ synthesized AA6061/(Ti B2Al2O3) hybrid aluminum matrix composites	David Raja Selvam J.	Journal of Alloys and Compounds	2018	145	8	karunya Institute of technology and Sciences
Diabetic Retinopathy Diagnosis from Retinal Images Using Modified Hopfield Neural Network	Hemanth D.J., Anitha J.	Journal of Medical Systems	2018	63	8	karunya Institute of technology and Sciences
Symmetric fluorescent probes for the selective recognition of Agion via restricted CN isomerization and onsite visual sensing ap	Prabhu J.	Journal of Photochemistry and Photobiology A: Chemistry	2017	145	8	karunya Institute of technology and Sciences

plications						
Stress waves in a generalized thermo elastic polygonal plate of inner and outer cross sections	Selvamani R.	Journal of Solid Mechanics	2017	12	1	Karunya Institute of Technology and Sciences
Eco friendly natural dyes from Syzygium cumini (L) (Jambolan) fruit seed endosperm and to preparation of antimicrobial fabric and their washing properties	Mosae Selvakumar P.,	Fibers and Polymers	2017	43	6	karunya Institute of technology and Sciences
Skin reinforcement for masonry infill walls subjected to cyclic loading	Vincent Sam Jebadurai S., Tensing D.	International Journal of Civil Engineering and Technology	2017	18	2	karunya Institute of technology and Sciences
Substitutional impact on biological activity of new water soluble Ni(II) complexes: Preparation, spectral characterization, Xray crystallography, DNA/prot	Murugan S	Journal of Photochemistry and Photobiology B: Biology	2017	103	10	karunya Institute of technology and Sciences

ein binding, antibacterial activity and in vitro cytotoxicity						
InP high electron mobility transistors for submillimetre wave and terahertz frequency applications: A review	Ajayan J., Nirmal D.	AEU International Journal of Electronics and Communications	2018	48	9	Karunya Institute of technology and Sciences
Structural, spectral, DFT and biological studies on macrocyclic mononuclear ruthenium (II) complexes	Enoch I.V.M.V	Journal of Molecular Structure	2017	89	1	Karunya Institute of technology and Sciences
Processing and medicinal uses of cardamom and ginger A review	Pragalya ashree M.M.	Journal of Pharmaceutical Sciences and Research	2017	31	1	Karunya Institute of technology and Sciences
Small molecule "turn on" fluorescent probe for silver ion and application to bioimaging	Nandhakumar R.	Journal of Photochemistry and Photobiology A: Chemistry	2018	Nil	1	Karunya Institute of technology and Sciences
Solar Mapping of India using Support Vector	Meenal R., Immanuel Selvakumar A	Journal of Physics: Conference Series	2018	65	1	Karunya Institute of technology and Sciences

Machine						
(?1,?2)P pseudo almost aut omorphic solutions of fractional order neutral integrodifferential equations	Kavitha V.	Nonlinear Studies	2017	11	2	karunya Institute of technology and Sciences
Application of classical step response method to determine the pid controller parameters for A 500 MW steam generator in a thermal power plant	Subha Hency Jims P., Jayakumar J.	Pakistan Journal of Biotechnology	2017	7	2	karunya Institute of technology and Sciences
Pharmacokinetics and therapeutic efficiency of a novel cationic liposome nanoformulated all trans retinoic acid in lung cancer mice model	Berlin Grace V.M.	Journal of Drug Delivery Science and Technology	2017	38	5	karunya Institute of technology and Sciences
Bay Functionalized Perylenediimide with Pyridine Positional Isomers: NIR Absorption and	Madhu V.	Journal of Fluorescence	2017	63	5	karunya Institute of technology and Sciences

Selective Colorimetric/Fluorescent Sensing of Fe <sup>3+</sup> and Al <sup>3+</sup> Ions						
Structural, optical and ammonia sensing properties of nanostructured ZnO thin films deposited by spray pyrolysis technique	Haris M.,	Journal of Materials Science: Materials in Electronics	2017	63	3	karunya Institute of technology and Sciences
Molecular encapsulation on the surface of magnetic nanoparticles. Controlled drug release from calcium Ferrite/Cyclodextrin-ethered polymer hybrid	Enoch I.V.M.V.	Colloids and Surfaces B: Biointerfaces	2018	131	7	karunya Institute of technology and Sciences
LaCoO <sub>3</sub> Nanostructures Modified Glassy Carbon Electrode for Simultaneous Electrochemical Detection of Dopamine, Ascorbic Acid and Uric Acid	Tamilselvan A	Journal of the Electrochemical Society	2017	245	5	karunya Institute of technology and Sciences



Effect of friction stir processing and hybrid reinforcements on copper	Thankachan T.	Materials and Manufacturing Processes	2018	53	5	karunya Institute of technology and Sciences
Investigation of 6T SRAM memory circuit using high dielectric based nano scale junctionless transistor	Nirmal D.	Superlattices and Microstructures	2017	66	5	karunya Institute of technology and Sciences
An efficient protocol for the synthesis of six-membered N, O heterocycles via a 1,3-dipolar (3+3) cycloaddition between nitrile oxide and diazo esters	Vasanthkumar S.	Tetrahedron	2017	209	5	karunya Institute of technology and Sciences
Synthesis of linear antenna arrays using Jaya, self adaptive Jaya and chaotic Jaya algorithms	Neebha M.	AEU International Journal of Electronics and Communications	2018	48	4	karunya Institute of technology and Sciences
Minimization of power loss in newfangled cascaded	Jegathesan V.	Ain Shams Engineering Journal	2018	32	4	karunya Institute of technology and Sciences

Hbridge multilevel inverter using inphase disposition PWM and wavelet transform based fault diagnosis						
Surfactant effect on synthesis and electrochemical properties of nickle doped magnesium oxide (Ni-MgO) for supercapacitor applications	Sakunthala A.	Applied Physics A: Materials Science and Processing	2017	137	4	karunya Institute of technology and Sciences
Structural Analysis, Molecular Docking and DFT Calculations of Bis(Pyrazolium Picrate) Monohydrate Interaction with Calf Thymus DNA and Microbes	Enoch I.V.M.V., Suganthi S.	ChemistrySelect	2017	17	4	karunya Institute of technology and Sciences
A PatternBased Artificial Bee Colony Algorithm for Motion Estimation in Video Compression Techniques	Hemanth D.J., Anitha J.	Circuits, Systems, and Signal Processing	2018	45	4	karunya Institute of technology and Sciences
An	Edwin	Cluster	2017	35	4	karunya

improved efficient: Artificial Bee Colony algorithm for security and QoS aware scheduling in cloud computing environment	E.B.	Computing				Institute of technology and Sciences
Near perfect path generation of corners chamfered rectangle and single synthesis camlink mechanism to generate special slot path	Ganesan G., Sekar M.	Mechanics Based Design of Structures and Machines	2018	30	2	karunya Institute of technology and Sciences
Analysis and experimental study on strength and behaviour of exterior beamcolumn joints with diagonal cross bracing bars and steel fibres for improving the joint ductility	Johnson K., Hemalatha G.	International Journal of Civil Engineering and Technology	2017	18	4	karunya Institute of technology and Sciences
Microstructure analysis of friction stir welded aa	Jannet S., Raja R.	International Journal of Mechanical Engineering and Technology	2017	13	4	karunya Institute of technology and Sciences

5083 and aa6061 t6 aluminum alloys						
Attenuation of vibration in boring tool using spring controlled impact damper	Lawrance G., Sam Paul P.,	International Journal on Interactive Design and Manufacturing	2017	18	4	karunya Institute of technology and Sciences
Performance enhanced spatial video compression using global affine frame reconstruction	Dolly D.R.J., Bala G.J., Peter J.D.	Journal of Computational Science	2017	30	4	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/Seminars/Workshops	217	263	25	698
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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)
Civil Engineering	Failure analysis and stability check for existing bus stand building	Coimbatore Corporation	36000
Civil Engineering	Strength check on foundation	Saint Bartholomew Church, Kodimunai	6000
Civil Engineering	Field Survey and Mapping for the existing water supply scheme at Coimbatore Municipal Corporation	Coimbatore Municipal Corporation, Coimbatore	800000
Civil Engineering	Designing of Cantilever Retaining wall for 5 different heights	Perur Town Panchayat	35400

	in Perur tank at Perur, Coimbatore		
Electronics and Communication Engineering	Antenna Fabrication using Eleven Lab	Info Institute of Technology, CBE	1534
Civil Engineering	Strength Assessment and evaluation of stability of existing bus stand building	Somanur town panchayat	41300
Instrumentation Engineering	Arduino programming and Sensor interfacing	SNS College of Tech, Cbe	4500
Instrumentation Engineering	Training on embedded system design and applications	Government College of Tech, Cbe	14000
Food Processing Technology	Lyophiliser	Biotech, Kits	1250
Food Processing Technology	HPLC analysis	Avinashilingam Womens Institute, Coimbatore	2360
Food Processing Technology	Spray Drying	TKM COLLEGE, Kerala	4720
Food Processing Technology	Spray Drying	Consultancy	1180
Food Processing Technology	Freeze drying	Nanosci, KITS	590
Food Processing Technology	Freeze dying	Nanosci, KITS	590
Electronics and Communication Engineering	Antenna Fabrication using Eleven Lab	Kongu Engineering college, Perundurai	3068
Civil Engineering	Evaluation of stress-strain characteristics for the proposed construction of Slum Clearance atThiruvottiyur , Chennai	M/s.Alzum Geocivil Integrated Services	42480
Civil Engineering	Third party Consultancy in Planning Designing and execution of building at Coonoor, The Nilgiri	St.John The Baptist Church, Coonoor	118000
Civil Engineering	Fixing of boundaries for proposed	A1 Construction, Er. Sambathkumar, Uthagamandalam	8500

	construction		
Food Processing Technology	Viscometer	Avinashilingam Womens Institute, Coimbatore	590
Food Processing Technology	HPLC analysis	Sengunthar College, Thiruchengode Sengunthar College, Thiruchengode	2360
Food Processing Technology	Cross flow drying	Consultancy	354
Food Processing Technology	Viscometer	Cherrans college of pharmacy	500
Food Processing Technology	Product Development	Someys Kitchen Pvt Ltd	94400
Instrumentation Engineering	Consultation service for monitoring system of anaesthesia workstation	Staan Biomed Engg pvt Ltd	120000
Food Processing Technology	Retort pouch processing	Avinashilingam Womens Institute, Coimbatore	300
Food Processing Technology	Membrane processing unit	ABT Industries Ltd, Pollachi	2000
Food Processing Technology	Membrane processing unit	ABT Industries Ltd, Pollachi	1250
Food Processing Technology	Retort pouch processing	Muthuvel enterprises, Pollachi	500
Food Processing Technology	Rigid Hammer Mill	Avinashilingam Womens Institute, Coimbatore	500
Electronics and Communication Engineering	Antenna Fabrication using Eleven Lab	KCT CBE	1357
Electronics and Communication Engineering	Antenna Fabrication using Eleven Lab	KCT CBE	1534
Instrumentation Engineering	Conducting Crtex M4 Training	Vi Microsystems Pvt Ltd	6000
Electronics and Communication Engineering	Antenna Fabrication using Eleven Lab	KCT CBE	1711
Electronics and Communication Engineering	Antenna Fabrication using Eleven Lab	KCT CBE	1534
Electronics and Communication Engineering	Antenna Fabrication using Eleven Lab	CIT CBE	1534

Electronics and Communication Engineering	PCB Fabrication	KITS CBE	436
Electronics and Communication Engineering	Antenna Fabrication	KCT CBE	3422
Electronics and Communication Engineering	Antenna Fabrication	KCT CBE	2744
Computer Science and Engineering	Harvard Medical School	HALECOM	60000
Civil Engineering	Evaluation of stress-strain characteristics for 2MW capacity Wind Mill construction, P eriyapatti, Udumelpet.	VKP Geotech, Coimbatore	36000
Civil Engineering	Assesment of parameters for foundation, super structure and stabiltiy analysis of existing two storeyed building for the additional floors construction in GKNM hospital, Coimbatore	G.Kuppuswamy Naidu Memorial Hospital, Pappanaickenpalayam, Coimbatore	44840
Civil Engineering	Soil Investigation by penetration tests for the proposed construction of	Agriculture Engineering Department, Coimbatore Government	13620
Civil Engineering	Roman Catholic Church, Kanyakumari Dt.,	MRB Builders, Kanyakumari Dt.,	15540
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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
Electrical and Electronics Engineering	SIMATIC S7 1200 and Simatic S7 1500	Onsite Mits	33052.13	8
Electrical and Electronics Engineering	Simactic S7 300 with SCADA	Onsite THE OXFORD COLLEGE OF ENGINEERING	78040.48	22
Electrical and Electronics Engineering	SINAMICS G120	KSCEAD	46114.4	4

Electrical and Electronics Engineering	SIMATIC S7 300 Basic with STEP 7 V 5.5	Onsite Vi Micro System	65586.17	2
Electrical and Electronics Engineering	SIMATIC S7 300 Basic	Karunya Institute of Technology and Sciences	44250	7
Electrical and Electronics Engineering	SIMATIC S7 300 Basic	Onsite Vi Micro System	66822.22	5
Food Processing Technology	HPLC Hands on training	Mindkraft KITS	8700	29
Food Processing Technology	Food Anaysis - HANDS on training	NGP College of Arts and Science	6000	12
Food Processing Technology	CHCP Training on Halal Standards	Trainer, Halal India Pvt Ltd	101500	29
Electrical and Electronics Engineering	Basic Automation 1 2	Sitrain, Kalwa	165738.08	20
Electrical and Electronics Engineering	Basic Automation 2	Sitrain, Kalwa	57756.28	19
Electrical and Electronics Engineering	SIMATIC S7300 with STEP 7 V 5.5	Onsite Bank Note Paper Mill, Mysore	202661.55	13
Electrical and Electronics Engineering	SIMATIC S7300 with STEP 7 V 5.5	Onsite VI Micro System	37630.2	8
Electrical and Electronics Engineering	S7 400 Kit utilization	Sitrain, Kalwa	18000	2
Electrical and Electronics Engineering	S7 400 Kit utilization	Sitrain, Kalwa	9000	1
Electrical and Electronics Engineering	Basics of SCADA	Sitrain, Kalwa	21144.42	20
Electrical and Electronics Engineering	Train the trainer	Sitrain, Kalwa	1628	20
Electrical and Electronics Engineering	Projct Work	Sitrain, Kalwa	22979	20
Electrical and Electronics Engineering	SINAMICS G120	KSCEAD	35000	8
Electrical and Electronics	Basics of Automation on	Onsite Kumraguru	30756.7	10



Engineering	S7 1200, 1500 HMI and SCADA	college of Technology		
Electrical and Electronics Engineering	Basic Course on HMI and WinCC	Kumaraguru College of Technology	19572.66	10
Electrical and Electronics Engineering	Basics of Automation on S7 1200 and SCADA	Onsite NSIC, New Delhi	33127.32	2
Electrical and Electronics Engineering	Basics of Automation S7 300 With STEP7 V14	Onsite Sitrain, Kalwa	38022.67	11
Electrical and Electronics Engineering	Basic Automation	SITRAIN Kalwa	15800.2	16
Electrical and Electronics Engineering	Basics of S7 1200 with STEP7 V13	Onsite Eskay, Bangalore	43485.36	6
Electrical and Electronics Engineering	SIMATIC S7 300 Basic with STEP 7 V 5.5	Onsite VI Micro System	67716.07	8
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### 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
Awareness Programme on "Importance of Education" and Seesha School bag distribution Perumalkoilpathi Tribal Village 1st July 2017	NSS SEESHA	4	15
Special Drive to Voter ID Enrolment for Young Citizen 14th July 2017	District Administration - Block Thasildar Office	5	50
77th Independence Day - 15th August 2019 a. NSS students visited 8 nearby Govt. schools, participated in the Independence Day celebrations and distributed sweets	Little Hearts - Mentally Retarded Home for Children Panchayat NSS Y's Youth Club Youth Red Cross (YRS)	10	100

to all the school children. b. Y's Youth Club and NSS students in association with SEESH			
Blood Donation Camp (More than 100 units of blood donated by Karunya Students and Staff) 4th Sept. 2017 (More than 100 units of blood donated by Karunya Students and Staff) 4th Sept. 2017	KG Hospitals, Coimbatore and SEESHA	10	300
Plantation and Issuing saplings to staff 4th Sept. 2017	Forest Dept.	5	30
Oneday enrichment programme for Seesha Teachers 4th Sept. 2017	SEESHA and Nearby Schools	3	12
Competition and Awareness Programme on Food Nutrition 8th Aug. 2019	Evangeline Mat. Hr. Sec. School	5	30
A one day Training workshop on "Vermicomposting" for farmers and unemployed women. 5th Oct. 2017	Tamil Nadu Agriculture University, Coimbatore	3	10
"Kousika River Rejuvenation Campaign"	NSS and Bharathiar University	10	300
A rally on "Conservation of Nature Resources in association with Hotel Gatewat on 14th Oct. 2017 at Coonoor	Hotel Gatewat and Municipality, Coonoor	5	150
Motivational seminar for Govt. School students 21st Nov. 2017	Govt. Hr. Sec. School, Thondamuthur	5	50
World Disabled Day - Special Games for differently abled Children: 9th	SEESHA	5	50

Dec. 2017			
Republic Day Celebration in Govt Schools and Kalkothipathi Tribal Village 26th Jan. 2018	Panchayat	10	100
Oneday Handson training programme on the Basics of Computer such as MSWord, Excel and Power Point for newly recruited Tamil Nadu Central Prison Wardens 8th Feb. 2018	Central Prison Department, Coimbatore	10	30
Special Camp was organized from 10th to 16th Feb. 2018. The list of Activates 1. Swachh Bharath Campaigns 2. Cleaning / Painting of primary health centers 3. Cleaning and Painting of Govt .Schools 4. Dental camp (kalimangalam by lotus and thul	District Administration, Govt. Schools and Panchayats.	15	50
Dental camp in EMS School Children in association with SHESHA 29th July 2017	Evangeline Matriculation School	8	90
Dengue awareness for Karunya NSS volunteers by Coimbatore Corporation Health Department. 29th July 2017	Emmanuel Auditorium, Karunya Institute of Technology	5	89
EYE Camp in KCS School children in association with Lotus Eye Hospital 29th July 2017	Karunya Christian School	10	100
Swachh Bharth Campaign at Duraisamy Enclave, Madvarayapuram (Cleaning) 19th August 2017	Swatch Bharath MHRD	5	100

Cleaning and Whitewashing of Anganwadi Centre, Nallurpathi, Karunya Nagar. 19th August 2017	NSS	5	50
Workshop cum Handon training on "Seed Ball Making" 9th September 2017	Nature Club	5	50
Seminar on Health Care and Awareness" by "Thyrocare" Coimbatore 14th October 2017	NSS and Thyrocare	5	100
Camping of Head Light Deflector by NSS Volunteers in Mathampatti. 14th October 2017	Rotarct Club and Traffic Police Dept.	15	300
Dengue awareness in Thennamanalur Village (Cleaning)	NSS	5	300
A Great day of Joy - Special Programme to the inmates of LML orphanage Thondamuthur 6th January 2018	NSS and LML Orphanage	5	30
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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
Blood Donation Camp	Highest Blood Donar	KG Hospitals	300
Swatch Bharath Summer Internship	Certificate	Ministry of Drinking Water and Sanitation Govt. of India	28
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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 activities	Number of students participated in such activities
Non Govern.	Youth Club	Seminar on Smart Village Programme	3	24

Govt.	Youth Red Cross	Training and capacity building for EMHSS School children in Health, Food Nutrition and Environmental aspects	3	30
Government	Rotaract Club	Awareness Programme on Parthenium and Eradication Process at Karunya Nagar.	6	45
Non Govern.	Vocational Training Club	Hands on workshop on	3	35
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### 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
Internship	Kamal Raj	Universidad Tecnol	2
Internship	Ezekiel Samuel	Hochsule Zitt Gorlitz IPM Germany	3
Internship	Manisha S.	Universidade Estadual Paulista Julio de Mesquita Fi UNESP Botuctu Brazil	2
Internship	Arnica Ashel	Universidad Tecnological Nacional-FR Concepcion del Uruguay Argentina	3
Internship	P. Ghanavi	Universidade Estadual Paulista Julio de Mesquita Fi UNESP Araraquara Brazil	3
Internship	Evanjalin Monica	West Pomeranian University of Technology Poland	4
Internship	Roniya Jose	Metadata SL Spain	6
Internship	Jerish Jolly Varghese	Ateks Otomotiv San. ve Tic. Ltd.	5
Internship	Jeffy Jebastin	Muzzley, S.A. Portugal	6
Internship	Roshin Rajan Panackal	Muzzley, S.A. Portugal	5

Internship	Elizabeth Abraham	Nsoft d.o.o Bosnia and Herzegovina	1
Internship	Zipporah Rini	University of luneburg Germany	3
Internship	Mistry Shannon H.	RIMSH, Sharjah United Arab Emirates	2
Internship	Josephine Sunadh	Universidade Estadual Paulista Julio de Mesquita Fi UNESP Guaratingueta Brazil	2
Internship	Pranjal Srivastava	Poznan University of Technology Poland	1
Internship	Nitya Bhargava	Agricultural University of Athens Greece	2
Internship	Pon Rajesh	Bambosoft S.L. Spain	2
Internship	Juturu Rishi Arya	Soft Warehouse S.A Ecuador	5
Internship	Juhi Jayaprakash	Western Digital Co., Ltd. Thailand	3
Internship	Kevin Varghese	Universidad Tecnologica Nacional Argentina	2
Internship	Subin C. Shajoo	RWTH Aachen Institut f	3
Internship	Samuel Roy	universitatsklini kum aachen Germany	2
Internship	Hemang Mahesh	Universidad Tecnologica Nacional Argentina	2
Internship	Vidhyasagar Krishnamurthy	Universidad Pontificia Bolivariana Colombia	5
Internship	W.Evelin	Universidad nacional del sur Argentina	3
Internship	Steffan John J.	Tomas Bata University in Zlin Czech Republic	2
Internship	Geevin S. R.	Universidad Tecnologica Nacional Argentina	2
Internship	Abisheik John	Division of	3

	Samuel	Superconductivity and Magnetism, University of Leipzig Germany	
Internship	Ayush Cyriac Mathew	Skedify Belgium	4
Internship	K. Rephael Abhinav	Universidad Tecnologica Nacional Argentina	2
Internship	Monica Steffi M.	Max Planck Institute Germany	3
Internship	Sanju Thomas P.	ICM Yazilim Bilism Danismanlik ve Turkey	5
Internship	Jerin V. John	University of Hanover Germany	3
Internship	Veena Vincent	Universidad Tecnologica Nacional Argentina	3
Internship	David James J.	Israel Electric Co. Israel	1
Internship	Jesvin Shobini	Stora Enso Belgium	6
Internship	Ann Maria John	West Pomeranian University of Technology Poland	3
Internship	Arnold S. Mathew	Corporacion Universtaria Empresarial Alexander von Colombia	3
Internship	Shesstrawell K. Bani	Max Planck Institute Germany	3
Internship	Jerry Kuriakose	IT Odjel Bosnia and Herzegovina	2
Internship	Deepak Malempati	Informacion de la empresa Mexico	3
Internship	Joshua Alphonso Mario	CMA Danismanlik ve Bilisim Teknolojileri Turkey	2
Internship	Yashwanth Sai Karthik	Equipos PTY PANAMA Panama	2
<a href="#">View File</a>			

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	Duration From	Duration To	Participant
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		/research lab with contact details			
IAESTE	Internship	Czech Republic Ythomas Bata University	18/09/2017	13/11/2017	0
Center for Placements	On job training	NTS Technology Services Pvt Ltd, Bangalore	05/02/2018	05/05/2018	3
Industries	Implant Training	POWER BUILDERS	20/12/2017	05/01/2018	8
Industries	Project Work	POWER BUILDERS	05/01/2018	10/04/2018	2
Industries	Project Work	NAVEEN BUILDERS	05/01/2018	10/04/2018	2
Industries	Implant Training Internship	SHAPOORJI and PALLONJI	20/12/2017	05/01/2018	13
Industries	Implant Training Internship	SOBHA DEVELOPERS	20/12/2017	05/01/2018	18
Industries	Implant Training Internship	Tata Reality Infra Ltd	20/12/2017	05/01/2018	5
Industries	Internship	Freyssinet Menard India	06/12/2017	06/01/2018	4
Industries	Implant Training Internship	JRD Realtors	20/12/2017	05/01/2018	3
Industries	Project Work	Indian Institute of Technology, Bombay	01/12/2017	06/05/2018	1
Institutions, IAESTE	Project Work	UNIVICOSA, BRAZIL	01/09/2017	30/11/2017	1
Institutions	Project Work	Centre for Science and Environmental	15/12/2017	15/03/2018	1
Institutions, IAESTE	Sharring of Research Facilities	National Technological University	01/09/2017	30/11/2017	1
Internships	Internships	Microbiological lab ltd, Coimbatore	04/06/2017	18/12/2018	1
Practical training	Trainng	Vi Micosystems	05/10/2017	10/10/2017	25



		pvt lts, chennai			
Practical training	Trainng	Government college of technology, cbe	12/12/2017	12/12/2017	56
Project work	internship	Crowdanalytix Banglore	01/06/2017	30/11/2017	1
Industrial Visit	industrial visit	Karnataka soaps, detergents pvt ltd	08/09/2017	09/09/2017	36
Industrial Visit	industrial visit	Hydro electric power plant, mysore	08/09/2017	09/09/2017	36
MOU	FICE	INTEL Technologies, Bangalore	26/10/2017	26/10/2018	0
IAESTE	Internship	Volvo group Technologies, Sweden	16/01/2017	31/07/2017	3

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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
Centre of Excellence and Digital Forencis	28/07/2017	Teaching, Industry Oriented Lectures, Exhibiting Current trends in Digital Forencis	37
Ray Contractors and Services Private Limited	11/05/2018	Relationships, Research, Awards and Recognition, Consultancy, Human Resources and Training, Employment	Nil
Federation of All Civil Engineeris Associations of TamilNadu and Puduchery	10/01/2018	Relationships, Research, Awards and Recognition, Consultancy, Human Resources and Training, Employment, Students Chapter	Nil
CADD Centre	30/08/2017	Onsite Training Program for Civil	Nil

		Engineering Students.	
Synergy School of Business Skills	09/10/2017	Onsite Training Program for Civil Engineering Students.	Nil
EC COUNCIL	17/08/2017	1. MOU regarding cyber security 2. Providing Certification course for the students	10
Pravin Electricals	03/01/2018	Placement	Nil
CMTI, Bangalore	10/01/2018	Joint M.Tech Programme	8
AMZ Automotive, Jaipur	01/07/2017	Hands on Training	260
Einnel Technologies India	26/10/2017	Placement	3
Intel Technology India Private Ltd	07/11/2017	Intel IoT Workshop conducted on 13-16 Feb 2018	36
<a href="#">View File</a>			

#### 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
5415	1253

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
Others	Existing
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 partially)	Version	Year of automation
Auto Lib	Fully	Advanced ed. V.7.2	2017

### 4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	96460	355	27529	91	123989	446

[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. G. Jasper W. Kathrine	Wireless and VOIP Security	Learning Management System	24/07/2017
Dr. G. Jasper W. Kathrine	Object Oriented Software Engineering	Learning Management System	11/01/2018
Dr. G. Jasper W. Kathrine	Object Oriented Programming in C Lab	Learning Management System	23/09/2017
M. Roshni Thanka	Object Oriented Programming in C	Learning Management System	19/07/2017
Esther Daniel	E_Commerce	Learning Management System	19/07/2017
Esther Daniel	DataWarehouse	Learning Management System	11/07/2017
Esther Daniel	Unix Architecture	Learning Management System	05/12/2017
Esther Daniel	Storage Area Network	Learning Management System	26/07/2017
Esther Daniel	Unix and Linux Lab	Learning Management System	13/12/2017
Dr. J. Anitha	C# and .Net Programming	Learning Management System	12/07/2017
Dr. J. Anitha	Web Technology	Learning Management System	19/07/2017
Dr. J. Anitha	Web Technology Lab	Learning Management System	01/08/2017
Dr. J. Anitha	C# and .Net Programming Lab	Learning Management System	10/07/2017

Dr. J. Anitha	Case Tools Lab	Learning Management System	04/12/2017
Dr. S. Salaja	Principles of Compiler Design	Learning Management System	03/07/2017
Dr. S. Salaja	Advanced Operating System Lab	Learning Management System	10/07/2017
Dr. S. Salaja	Advanced Operating System	Learning Management System	04/07/2017
Mr. Arul Xavier	Object Oriented Programming in C	Learning Management System	12/07/2017
Mr. Arul Xavier	Object Oriented Programming in C Lab	Learning Management System	19/07/2017
Mr. Arul Xavier	Web Technology	Learning Management System	12/07/2017
Mr. Arul Xavier	Web Technology Lab	Learning Management System	13/07/2017
Dr.Priyadharsini.C	Computer Networks	Learning Management System	17/12/2017
Dr.Priyadharsini.C	Networking Lab	Learning Management System	11/12/2017
Dr.Priyadharsini.C	Microprocessor and Interfacing	Learning Management System	18/12/2017
Rexie J A M	Data Structures Lab	Learning Management System	10/07/2017
Rexie J A M	Analysis of Algorithms	Learning Management System	10/07/2017
Rexie J A M	Theory of Computation	Learning Management System	11/07/2017
Rexie J A M	Data Structures	Learning Management System	11/07/2017
Dr. A. Kethsy Prabavathy	Operating System	Learning Management System	11/07/2017
Dr. A. Kethsy Prabavathy	Digital Electronics	Learning Management System	12/07/2017
Dr. A. Kethsy Prabavathy	Digital Electronics Lab	Learning Management System	12/07/2017
Dr. A. Kethsy Prabavathy	Case Tools Lab	Learning Management System	13/12/2017
Dr. A. Kethsy Prabavathy	Object Oriented Analysis and Design	Learning Management System	12/12/2017
Dr. A. Kethsy Prabavathy	Microprocessor and Interfacing Techniques	Learning Management System	22/12/2017
Mohana Priya R. (1356)	Molecular Biology and Genetic Engineering Batch 1	Learning Management System	13/07/2017

Dr. Vani C. (1132)	Genetic Engineering and Bioethics Batch 1	Learning Management System	12/07/2017
Mohana Priya R. (1356)	Analytical Bioinformatics Batch 2	Learning Management System	12/07/2017
Biswanath Hahanty (1903)	Engineering Thermodynamics Batch 5	Learning Management System	12/07/2017
Anu Jacob (1313)	Pollution Control and Engineering Batch 1	Learning Management System	12/07/2017
Biswanath Hahanty (1903)	Engineering Thermodynamics Batch 4	Learning Management System	19/07/2017
Kaarthik A.N. (998)	Analytical Bioinformatics Lab Batch 1	Learning Management System	16/07/2017
Kaarthik A.N. (998)	Analytical Bioinformatics Batch 1	Learning Management System	17/07/2017
Dr. Murugan S. (1074)	Microbiology Batch 2	Learning Management System	13/07/2017
Dr. Berlin Grace V.M. (577)	Cancer Biology Batch 1	Learning Management System	05/07/2017
Dr. Vani C. (1132)	Molecular Forensics Batch 1	Learning Management System	18/07/2017
Dr. Jibu Thomas (1311)	Instrumental Methods of Analysis Batch 2	Learning Management System	19/07/2017
Dr. Murugan S. (1074), Dr. Jesse Joel T. (1634)	Microbiology Lab Batch 3	Learning Management System	14/07/2017
Anu Jacob (1313)	Enzyme Engineering Batch 1	Learning Management System	12/07/2017
Dr. Jesse Joel T. (1634)	Molecular Microbiology Batch 1	Learning Management System	12/07/2017
Biswanath Hahanty (1903)	Advanced Bioprocess Engineering Batch 1	Learning Management System	17/07/2017
Dr. Jesse Joel T. (1634)	Microbial Taxonomy and Phylogeny Batch 1	Learning Management System	13/07/2017
Anu Jacob (1313)	Bioreactor Engineering Batch 2	Learning Management System	10/07/2017
Dr. Jesse Joel T. (1634)	Microbial Nanotechnology Batch 1	Learning Management System	10/07/2017
Mohana Priya R.	Medical	Learning	20/07/2017

(1356)	Informatics Batch 1	Management System	
Anu Jacob (1313), Dr. Jesse Joel T. (1634)	Cell Biology and Immunology Batch 1	Learning Management System	11/07/2017
Mohana Priya R. (1356)	Computational Genome and Proteome Analysis Batch 1	Learning Management System	17/07/2017
Dr. Jibu Thomas (1311)	Plant Physiology and Crop Improvement Batch 1	Learning Management System	13/07/2017
Dr. Afroz Alam Md. (1166)	Cheminformatics and QSAR Batch 1	Learning Management System	10/07/2017
Dr. Afroz Alam Md. (1166)	Next Generation Sequencing Batch 1	Learning Management System	10/07/2017
Dr. David Paul Raj R.S. (1308)	Instrumental Methods of Analysis Batch 1	Learning Management System	10/07/2017
Dr. Jibu Thomas (1311)	Entrepreneurship, IPR and Biosafety Batch 1	Learning Management System	12/07/2017
Dr. Afroz Alam Md. (1166)	NGS and Data Analysis Lab Batch 1	Learning Management System	05/07/2017
Alwin Johnnie (1971)	Advances in rDNA Technology Batch 1	Learning Management System	14/07/2017
Pinaki Dey (1909)	Principles of Chemical Engineering Batch 1	Learning Management System	10/07/2017
Alwin Johnnie (1971)	Soil and Agricultural Microbiology Batch 1	Learning Management System	13/07/2017
Dr. Narendhirakannan Rt. (1011)	Biopharmaceutical Technology Batch 1	Learning Management System	11/07/2017
Dr. Gobikrishnan S. (966)	Food Engineering and Packaging Lab Batch 1	Learning Management System	12/07/2017
Vimalin Hena J (1962)	Agricultural Microbiology Batch 1	Learning Management System	10/07/2017
Dr. Narendhirakannan Rt. (1011)	Human Physiology Batch 1	Learning Management System	13/07/2017
Biswanath Hahanty (1903), Alwin Johnnie (1971)	Biochemistry Lab Batch 2	Learning Management System	10/07/2017
Alwin Johnnie (1971)	Biochemistry Lab Batch 5	Learning Management System	11/07/2017
Karthik A.N.	R Programming Lab	Learning	11/07/2017

(998)	Batch 1	Management System	
Pinaki Dey (1909)	Principles of Chemical Engineering Batch 2	Learning Management System	14/07/2017
Dr. T. Mary Neebha	<a href="https://youtu.be/eOhT6QvMb4U">https://youtu.be/eOhT6QvMb4U</a> MATLAB OOPS 2	Youtube/ LMS	10/10/2017
Pinaki Dey (1909)	Principles of Chemical Engineering Batch 3	Learning Management System	17/07/2017
Naresh Kumar K. (806)	Enzyme Engineering Batch 2	Learning Management System	17/07/2017
Kaarthik A.N. (998)	R Programming Batch 1	Learning Management System	11/07/2017
Naresh Kumar K. (806)	Human Physiology and Anatomy Batch 1	Learning Management System	18/07/2017
Alwin Johnnie (1971)	Bacteriology Mycology Parasitology Batch 1	Learning Management System	10/07/2017
Reya Issac I. (824)	Instrumental Methods of Analysis Lab Batch 4	Learning Management System	12/07/2017
Dr. Lakshmi Prabha M. (721), Alwin Johnnie (1971)	Basics of Biochemistry Batch 1	Learning Management System	18/07/2017
Dr Tensing D	Building Construction and Cost Estimation	Learning Management System	28/11/2017
Dr Tensing D	Construction Materials and Cost Estimation	Learning Management System	20/02/2018
Dr Tensing D	Design of Prestressed Concrete Structures	Learning Management System	17/01/2018
Dr Tensing D	Design of Steel Structures	Learning Management System	05/02/2018
Mr. Mohanasundaram Dr. Rajakumar S Rai	Foundry Technology <a href="https://classroom.google.com/c/NjgzMDA2NDc5Mlp a">https://classroom.google.com/c/NjgzMDA2NDc5Mlp a</a>	Google classroom	31/07/2017
Mr. Ajay Vasanth. X	Engineering Mechanics <a href="https://classroom.google.com/u/1/c/MjMzNTA3NTA5 Nlpa">https://classroom.google.com/u/1/c/MjMzNTA3NTA5 Nlpa</a>	Google classroom	31/07/2017
Mr. Ajay Vasanth. X	Finite Element Analysis <a href="https://classroom.google.com/">https://classroom.google.com/</a>	Google classroom	31/07/2017

	u/1/c/MzIxMDM0NjE4O Fpa		
Dr.S.Antony Raja	Biomass energy systems	Learning Management System	04/08/2017
Dr.S.Antony Raja	Refrigeration and air conditioning	Learning Management System	06/10/2017
Dr.B.Jefferson Raja Bose	Heat and Mass Transfer, Thermal Engineering II	Learning Management System	06/10/2017
Mrs. S. Radha	superheterodyne receiver <a href="https://youtu.be/Hw2oAeH8tgK">https://youtu.be/Hw2oAeH8tgK</a> Map Simplification <a href="https://youtu.be/6Z3YDWVgglM">https://youtu.be/6Z3YDWVgglM</a> Block diagram Reduction <a href="https://youtu.be/9Pmp4BuH8FI">https://youtu.be/9Pmp4BuH8FI</a> Root Locus <a href="https://youtu.be/Bxx82">https://youtu.be/Bxx82</a>	Learning Management System	15/12/2017
Mrs. G. Shinelet	Convolution sum <a href="https://youtu.be/nsJglhOAqj8">https://youtu.be/nsJglhOAqj8</a> Convolution sum <a href="https://www.youtube.com/watch?v=D737rR7gBOw">https://www.youtube.com/watch?v=D737rR7gBOw</a> High pass RC circuit Step signal <a href="https://www.youtube.com/watch?v=Bc7pQrawHXUt4s">https://www.youtube.com/watch?v=Bc7pQrawHXUt4s</a> Low pass RC circuit Step signal <a href="https://www.youtub">https://www.youtub</a>	Learning Management System	11/01/2018
Dr. A. Diana Andrushia	<a href="https://youtu.be/eMzaphRtFhI">https://youtu.be/eMzaphRtFhI</a> analog filter <a href="https://youtu.be/hAjPKaGatA">https://youtu.be/hAjPKaGatA</a> digital filter <a href="https://youtu.be/Pby99rnA0X8">https://youtu.be/Pby99rnA0X8</a> combinational logic circuit <a href="https://youtu.be/DUDVn3VIXig">https://youtu.be/DUDVn3VIXig</a> Boolean Algebra	Learning Management System	13/03/2018
Dr.G.Josemin Bala	Wireless sensor networks	Learning Management System	16/08/2017
Dr.G.Josemin Bala	Recent Trends in Wireless Communication (Internet of Things, Software Defined Radio, Cognitive Radio)	Learning Management System	19/10/2017
Dr. K. Martin	<a href="https://www.youtu">https://www.youtu</a>	Youtube/ LMS/	18/12/2018



Sagayam	be.com/user/martisagayam/videos	Google classroom	
Dr.K.Vinoth Kumar	Induction and Synchronous Machines ( <a href="https://www.youtube.com/channel/UCSQ4CfYZoWIH70FjHmAMfw">https://www.youtube.com/channel/UCSQ4CfYZoWIH70FjHmAMfw</a> )	Youtube	25/10/2017
Dr.K.Vinoth Kumar	Special Machines and Controllers	Learning Management System	25/07/2017
Dr.K.Vinoth Kumar	Building Automation	Learning Management System	08/01/2018
Dr.K.Vinoth Kumar	Basic Electrical and Electronics Engineering	Learning Management System	08/02/2018
Prawin Angel Michael	Basic Course in Entrepreneurship	LearnwiseNEN LMS	18/11/2018
Dr. S. Paul Sathiyar	Automotive Electronics	Learning Management System	12/02/2018
M. Roshni Thanka	Object Oriented Programming in C	Youtube   Google Class Room   Github	17/07/2017
M. Roshni Thanka	Java Programming	Learning Management System	27/12/2017
M. Roshni Thanka	Web Technology	Learning Management System	13/02/2018
M. Roshni Thanka	Cryptography and Network Security	Learning Management System	17/01/2018
Dr. E. Grace Mary Kanaga	Advanced Database Management Systems	Learning Management System	10/01/2018
Dr. E. Grace Mary Kanaga	System Software	Learning Management System	23/06/2018
Dr. E. Grace Mary Kanaga	System Software and compiler Lab	Learning Management System	13/12/2017
Dr. G. Jasper W. Kathrine	Cryptography and Network Security	Learning Management System	13/06/2018
Dr. J. Anitha	Object Oriented Analysis and Design	Learning Management System	20/12/2018
Dr.C.Freeda Christy	Advanced Concrete Structures	Learning Management System	14/11/2018
Dr.C.Freeda Christy	Soft skills	Learning Management System	12/11/2018
Dr.S.Vincent Sam Jebadurai	Global Climate Change and its impact	Learning Management System	01/11/2018
Mr.E.Arunraj	Prefabricated Structures	Learning Management System	29/08/2017
Mr.E.Arunraj	Surveying	Learning Management System	31/01/2018

Mr.E.Arunraj	structural analysis	Learning Management System	22/11/2017
Dr.J.Brema	Fluid Mechanics and Open Channel Hydraulics	Learning Management System	18/01/2018
Dr.N.Anand	Prefabricated Structures	Learning Management System	12/01/2018
S.J.Vijay	18ME1003 Engineering Mechanics ( <a href="https://classroom.google.com/u/2/c/MjUyMzI4MzIxNzBa">https://classroom.google.com/u/2/c/MjUyMzI4MzIxNzBa</a> )	Google classroom	07/01/2018
S.J.Vijay	17ME2010 Machining Processes ( <a href="https://classroom.google.com/u/2/c/MjUyMzI1MDgyMzRa">https://classroom.google.com/u/2/c/MjUyMzI1MDgyMzRa</a> )	Google classroom	07/03/2018
A.Brusly Solomon	<a href="https://courses.karunya.edu/course/view.php?id4610">https://courses.karunya.edu/course/view.php?id4610</a>	Learning Management System	06/02/2018
Lijin George	17ME2019 DYNAMICS OF MACHINERY	Google classroom	13/02/2018
A.Brusly Solomon	<a href="https://courses.karunya.edu/course/view.php?id4932">https://courses.karunya.edu/course/view.php?id4932</a>	Learning Management System	17/08/2017
S.J.Vijay	17ME3016/18ME3010 Advanced Manufacturing Processes ( <a href="https://classroom.google.com/u/2/c/MTQ4Njk5MzcwMjNa">https://classroom.google.com/u/2/c/MTQ4Njk5MzcwMjNa</a> )	Google Classroom	07/01/2018
S.J.Vijay	17ME2002 Material Science and Engineering ( <a href="https://classroom.google.com/u/2/c/MTQ4NjYzODYxMDla">https://classroom.google.com/u/2/c/MTQ4NjYzODYxMDla</a> )	Google Classroom	13/03/2018
S.J.Vijay	18MS3104 Research Methodology and IPR ( <a href="https://classroom.google.com/u/1/c/NDZNDYyNTA4NjVa">https://classroom.google.com/u/1/c/NDZNDYyNTA4NjVa</a> )	Google Classroom	12/07/2017
E.Daniel	17ME1001 BASIC MECHANICAL ENGINEERING	Learning Management System	09/08/2017
Dr. T. Mary Neebha	<a href="https://youtu.be/U9HMLvAG3j0">https://youtu.be/U9HMLvAG3j0</a> MATLAB OOPS 1	Youtube/ LMS	03/10/2017
Dr.Roopaa Jayasingh.J	IoT for Communication	Learning Management System	04/07/2017

	Engineering		
Dr.Roopa Jayasingh.J	Recent Trends in Wireless Communication (Internet of Things, Software Defined Radio, Cognitive Radio)	Learning Management System	11/07/2017
Dr. K. Martin Sagayam	<a href="https://www.youtube.com/user/martisa-gayam/videos">https://www.youtube.com/user/martisa-gayam/videos</a>	Youtube/ LMS/ Google classroom	14/11/2017
Dr.K.Vinoth Kumar	Induction and Synchronous Machines ( <a href="https://www.youtube.com/channel/UCSQ4CfYZoWIH70FjHmAMfw">https://www.youtube.com/channel/UCSQ4CfYZoWIH70FjHmAMfw</a> )	Youtube	17/10/2017
Dr.K.Vinoth Kumar	Special Machines and Controllers	Learning Management System	05/07/2017
Dr.R.Meenal	Microprocessors and Microcontrollers	Learning Management System	07/12/2017
Anitha Mary	Microprocessor and Microcontroller	Learning Management System	08/11/2017
Anitha Mary	digital electronics	Learning Management System	14/11/2017
Lina Rose	Modelling of physiological systems	Learning Management System	17/07/2017
Lina Rose	Patient and device safety	Learning Management System	17/07/2017
Lina Rose	Biosignal Conditioning Circuits	Learning Management System	07/11/2017
Lina Rose	Hospital Equipment Management	Learning Management System	07/11/2017
Lina Rose	SoftSkills	Learning Management System	08/11/2017
Anantha Christu raj	Control system basics	Learning Management System	07/11/2017
Anantha Christu raj	Process Control Intro	Learning Management System	07/07/2017
P.Subha Hency Jose	Medical Therapeutic Equipment	Learning Management System	15/09/2017
P.Subha Hency Jose	Surgical Assist systems	Learning Management System	08/08/2017
K Gerard Joe Nigel	Industrial Automation Batch 1	Learning Management System	13/11/2017

K Gerard Joe Nigel	Instrumentation and Control in Paper Industries	Learning Management System	30/08/2017
D.Pamela	Biomedical Optics	Learning Management System	12/02/2018
D.Pamela	Embedded Sensor Network	Learning Management System	12/07/2017
D.Pamela	Industrial Data Communication Networks	Learning Management System	15/06/2017
D.Pamela	Opto Elctronics and Laser Based Instrumentation	Learning Management System	12/07/2017
Dr. E. Grace Mary Kanaga	Advanced Database Lab	Learning Management System	11/07/2017
Dr. E. Grace Mary Kanaga	Database systems Lab	Learning Management System	05/07/2017
Dr. E. Grace Mary Kanaga	Big Data Platforms	Learning Management System	23/09/2017
Dr. G. Jasper W. Kathrine	Cyber Forensics	Learning Management System	24/07/2017
Dr. G. Jasper W. Kathrine	Systems Development Lba	Learning Management System	20/01/2018
Dr. Lakshmi Prabha M. (721), Alwin Johnnie (1971)	Biochemistry Lab Batch 3	Learning Management System	11/07/2017
Naresh Kumar K. (806)	Biochemistry Lab Batch 1	Learning Management System	13/07/2017
Dr. Kavitha S. (951)	Microbiology Batch 1	Learning Management System	14/07/2017
Reya Issac I. (824)	Bioreactor Engineering Batch 1	Learning Management System	11/07/2017
Naresh Kumar K. (806)	Human Physiology Batch 2	Learning Management System	12/07/2017
Dr. David Paul Raj R.S. (1308)	Research Methodology Batch 1	Learning Management System	20/07/2017
Reya Issac I. (824)	Biochemical Engineering Batch 1	Learning Management System	20/07/2017
Dr. Murugan S. (1074)	Microbial Parthenogenesis Batch 1	Learning Management System	18/07/2017
Dr. Narendhirakannan Rt. (1011)	Pharmaceutical Microbiology Batch 1	Learning Management System	11/07/2017
Dr. Kavitha S. (951)	Microbiology and Immunology Batch 1	Learning Management System	11/07/2017
Dr. Jesse Joel T. (1634), Anu Jacob	Downstream Processing Lab	Learning Management System	19/12/2017

(1313)	Batch 1		
Biswanath Hahanty (1903), Dr. Jesse Joel T. (1634)	Downstream Processing Lab Batch 3	Learning Management System	22/12/2017
Anu Jacob (1313)	Pollution Control and Engineering Batch 1	Learning Management System	07/12/2017
Biswanath Hahanty (1903)	Mechanics of Fluid Batch 6	Learning Management System	11/12/2017
Dr. Berlin Grace V.M. (577)	Molecular Biology Batch 1	Learning Management System	15/12/2017
Anu Jacob (1313)	Pollution Control Batch 1	Learning Management System	11/12/2017
Dr. Berlin Grace V.M. (577), Alwin Johnnie (1971)	Molecular Biology Batch 2	Learning Management System	05/12/2017
Dr. Jesse Joel T. (1634)	Microbial Genetics Batch 1	Learning Management System	15/12/2017
Pinaki Dey (1909), Alwin Johnnie (1971)	Downstream Processing Batch 2	Learning Management System	18/12/2017
Dr. Vani C. (1132)	Cell Biology and Microbiology Lab Batch 1	Learning Management System	15/12/2017
Dr. Vani C. (1132)	Cell Biology and Immunology Lab Batch 1	Learning Management System	11/12/2017
Dr. Vani C. (1132)	Immunotechnology Batch 1	Learning Management System	18/12/2017
Dr. Vani C. (1132)	Cell Biology and Molecular Signaling Batch 1	Learning Management System	11/12/2017
Karthik A.N. (998)	Computational Biology Batch 1	Learning Management System	12/12/2017
Dr. Jibu Thomas (1311)	Plant Tissue Culture Batch 1	Learning Management System	12/12/2017
Dr. Kavitha S. (951)	Cell Biology and Microbiology Batch 1	Learning Management System	13/12/2017
Reya Issac I. (824)	Bioprocess Principles Batch 1	Learning Management System	15/12/2017
Dr. Lakshmi Prabha M. (721), Reya Issac I. (824)	Bioprocess Lab Batch 1	Learning Management System	14/12/2017
L.EMmanuvel	Organic Chemistry through problems	Learning Management System	13/12/2017
B.Vidhya	Material Science II	Learning Management System	13/12/2017

No file uploaded.

### 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	0	0	0	0	0	0	0	0	0
Added	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0

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

1200 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
Lecture Capture/Impartus	<a href="http://a.impartus.com/login">a.impartus.com/login</a>
LMS	<a href="http://courses.karunya.edu">courses.karunya.edu</a>
NPTEL	<a href="http://elearn.karunya.edu/npTEL">elearn.karunya.edu/npTEL</a>
Swayam Prabha	<a href="http://ctv.karunya.edu/education">ctv.karunya.edu/education</a>
Recording Studio Facility	<a href="http://www.karunya.edu/mc">www.karunya.edu/mc</a>

### 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
522	1410	186	177

#### 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)

Procedures and policies for maintaining and utilizing physical, academic and support facilities - laboratory, library, sports complex, computers and classrooms etc. Class Rooms and Laboratories: Class rooms are provided with black board, LCD projectors, furniture and electrical fittings. Laboratories are provided with Machines, Equipment, Electrical connections, furniture, safety equipment etc. The Construction and Maintenance Department of KITS regularly takes care of the maintenance of all the above facilities. For any additional service requirement, the Departments/Sections need to raise 'Online Service Requisition' to the above Department, which in turn will address the same within 3 days from the date of request. Class rooms are allotted based on time table generated through a software for various batches of students according to Choice Based Credit System in different programs as per the curriculum. Similarly the laboratories are well utilized during the working hours as well as after the working hours. Registers are being maintained to monitor the students who work in the laboratories beyond the working hours. The movement of the students are monitored through Surveillance Cameras to ensure safety and security. Library: The Central library is equipped with facilities and resources in the form of books, ejournals, ebooks, audio video cassettes,

journals, open web catalogues, Digital Library, etc. The departments send their requirement during the beginning of each academic year. The library will procure 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. Bar code system has been implemented for the issue of books to the students. Library is kept open from 8AM to 11PM from Monday to Friday and from 8AM to 5.30PM on Saturdays. The books are given to the students for a period of 15 days which can be extended for another 15 days upon request. Sports complex: The sports complex is maintained with the support of sufficient ground markers to ensure all the sports fields in good condition. A budget is provided for maintaining the facilities each academic year. The indoor, outdoor and fitness centre are open to all the students. Separate registers are maintained to monitor the utilization of the facilities. Part time Qualified Coaches are available for major games to ensure the maintenance of the sports fields as per the Standards. The students are provided with sports accessories during the early mornings and evenings. Computer Technology centre: Computers Technology Centre is maintained by a team of sufficient technicians under a Head (CTC) who attend to most of the services. Online tickets have to be raised for any service requirement which will be attended within 2 days. Major Hardware faults are handled by suitable vendors. Each year budget is provided for the maintenance of computer centre. Seventeen Computer laboratories are being utilized by the departments on slot basis. Additional slots can be booked for conducting Aptitude tests, placement and training, Software training etc. beyond working hours.

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

## 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	Dr.D.G.S. Dhinakaran Educational Scholarship , Student Benevolent fund (waiver of Tuition fee Hostel fee), Admission Scholarship, Sports Scholarship	831	4436500
Financial Support from Other Sources			
a) National	Govt of Andhra Pradesh Social Welfare Scholarship, Government of Tamil Nadu AdiDravidar Welfare , Merit cum Means Scholarship for Professional Technical , Postmatric Scholarship Scheme	164	4436500

	for Minorities, Prime Ministers Scholarship Scheme for Central		
b)International	Nil	Nil	0
<a href="#">View File</a>			

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 enhancement scheme	Date of implementation	Number of students enrolled	Agencies involved
Language Assessment Certification	03/07/2017	348	Cambridge Assessment
<a href="#">View File</a>			

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
2017	NET Coaching	19	19	1	8
2017	GRE and IELTS Preparation	12	150	12	99
<a href="#">View File</a>					

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
Tata Consultancy Service, Hinduja Global Solutions (HGS), Xseed Education, Wipro, VWR Labs, Valued	1131	696	Al Hottystanger Laboratories, R D centre ITC LSTC, Avt McCormick, The Indian Public School, ICON	497	497



Epistemics, TNQ Books Journals, Tata Elxsi, Sri Vignesh Construction s, Jesus Calls, Seesha Smart Center, Ray Contractors, Pollucare Engineers India P			Plc, Karunya Institute of Technology and Sciences Deemed University, API Developer at Palmtreeinfo Tech, Virtual Tech Gurus India Pvt Ltd, Entrepre	
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5.2.2 – Student progression to higher education in percentage during the year

Year	Number of students enrolling into higher education	Programme graduated from	Depratment graduated from	Name of institution joined	Name of programme admitted to
2018	4	B.Tech Food Processing Engineering	Food Processing Engineering	Kongu Engineering College, Perunthurai, Erode, India	ME
2018	1	B.Tech Food Processing Engineering	Food Processing Engineering	NIFTEM, Sonipet, Hariyana, India	M.Tech
2018	9	B.Tech Food Processing Engineering	Food Processing Engineering	Karunya Institute of Technology and Sciences ,coimbatore	M.Tech
2018	1	B.Tech Food Processing Engineering	Food Processing Engineering	TANUVAS, Chennai	M.Tech
2018	1	B.Tech Food Processing Engineering	Food Processing Engineering	ICFAI, University, Tripura, Inda	M.Tech
2018	1	B.Tech Food Processing Engineering	Food Processing Engineering	Indian Institute of Food Processing Technology, Tanjore	M.Tech
2018	1	B.Tech Food Processing Engineering	Food Processing Engineering	Institute of Chartered Financial Analysts of India,	M.Tech

				Telangana	
2018	1	B.Tech Food Processing Engineering	Food Processing Engineering	Xavier Institute of Management and Enterpre nuership, Kochi	M.Tech
2018	1	B.Tech Food Processing Engineering	Food Processing Engineering	University of Greenwich, London, UK	MS
2018	1	B.Tech Food Processing Engineering	Food Processing Engineering	National Institute of Food Technology E ntrepreneurs hip and Management, Haryana	M.Tech
2018	2	B.Tech Bio Technology	Bio Technology	Pondicherry University	ME
2018	1	B.Tech Bio Technology	Bio Technology	Coimbatore Institute of Engineering and Technology	ME
2018	1	B.Tech Mechanical	Mechanical Mechanical Engineering	University off Wollongong, Australia	MS
2018	1	B.Tech Mechanical	Mechanical Mechanical Engineering	Higher studies in Canada	ME
2018	1	B.Tech Mechanical	Mechanical Mechanical Engineering	Higher studies in PSG, Coimbatore	ME
2018	1	B.Tech Mechanical	Mechanical Mechanical Engineering	Masters in Production Engg, Riga Tech Uni, Latvia	MS
2018	1	B.Tech Food Processing Engineering	Food Processing Engineering	University of Greenwich, London, UK	M.Tech
2018	1	B.Tech Food Processing Engineering	Food Processing Engineering	Ph.D (Karunya University)	PhD
2018	1	B.Tech Food	Food Processing	Indian Institute of	M.Tech

		Processing Engineering	Engineering	Food Processing Technology, Tanjore	
2018	1	B.Tech Food Processing Engineering	Food Processing Engineering	Institute of Chartered Financial Analysts of India, Telangana	M.Tech
2018	1	B.Tech Food Processing Engineering	Food Processing Engineering	Xavier Institute of Management and Entrepreneurship, Bangalore	MBA
2018	1	B.Tech Food Processing Engineering	Food Processing Engineering	National Institute of Food Technology Entrepreneurship and Management, Haryana	M.Tech
2018	1	B.Tech Food Processing Engineering	Food Processing Engineering	University of Greenwich, London, UK	MS
2018	1	B.Tech Food Processing Engineering	Food Processing Engineering	Karunya Institute of Management	MBA
2018	1	Master of Science	Nanotechnology	Technical University, Dresden	MS
2018	1	Master of Science	Nanotechnology	PhD, Jain University, Bengaluru	PhD
2018	1	Master of Science	Nanotechnology	M.Phil at Karunya Institute of Technology and Sciences	M.Phil
2018	1	Master of Science	Nanotechnology	PhD, Thomas Bata University, Czech Republic	PhD
2018	1	Master of Science	Physics	B.Ed in Lisieux College of Education, Coimbatore	B.Ed

2018	1	Master of Science	Physics	PhD, Karunya University	PhD
2018	1	Master of Science	Physics	PhD in MS University	PhD
2018	1	Master of Science	Chemistry	St. Thomas B.Ed Training College, Trivandrum	B.Ed
2018	1	B.Tech Electronics and Media Technology	Electronics and Media Technology	Internatio nal School of Creative arts, Kerala - collaborated with University of The Arts, London	NS
2018	1	B.Tech Electronics and Media Technology	Electronics and Media Technology	MA Cinemat ograpy, LV Prasad Chernnai	NA
2018	1	B.Tech Electronics and Media Technology	Electronics and Media Technology	MBA, MDIV	MBA
2018	1	B.Tech Electronics and Media Technology	Electronics and Media Technology	Massey University, Newzealand, Master of Analytics.	MS
2018	1	B.Tech Electronics and Media Technology	Electronics and Media Technology	Film & TV Studies of Bharatiya Vidya Bhavan	MS
2018	2	B.Tech Electronics and Media Technology	Electronics and Media Technology	Internatio nal School of Creative arts, Kerala - collaborated with University of The Arts, London	MS
2018	1	Media	Visual Com munication	University of North Texas	MS
2018	1	Media	Visual Com munication	MBA, karunya Institute of	MBA

				Technology and Sciences	
2018	1	Media	Visual Communication	KM College of Music and Technology	Master in Music
2018	1	Media	Visual Communication	IESEG School of Management, Lille	MBA
2018	1	Media	Visual Communication	Masters in Graphics, Seattle, USA	M Sc
2018	1	Media	Visual Communication	M.Phil at Karunya Institute of Technology and Sciences	M.Phil
2018	1	Media	Visual Communication	MSc VFX at IACG, France	M Sc
2018	1	Media	Visual Communication	M Sc Animation, Chennai	M Sc
2018	1	Media	Visual Communication	Studying Chartered Accountant at Lakshya CA Campus	CA
2018	1	Media	Visual Communication	Theology, Singapore	B. Theology
2018	1	Media	Visual Communication	MBA, The University of Cassino and Southern Lazio, Rome	MBA
2018	1	Master of Science	Microbiology	Bits Bilani	MS
2018	1	Master of Science	Microbiology	Karunya Institute of Technology	Ph.D
2018	3	MA	English	Karunya Institute of Technology	Ph.D
2018	1	MA	English	M.Phil	M.Phil
2018	1	MA	English	B.Ed at Dr.NGP	B.Ed
2018	1	MA	English	Ph.D at Karunya	Ph.D
2018	1	MBA	MBA	MS in IN UNIVERSITY OF CANABERA, AUSTRALIA	Ph.D

2018	2	Master of Science	Maths	Ph.D at Karunya	Ph.D
2018	1	B.Tech Aerospace	Aerospace Engineering	Politecnico De milao, Italy	MS
2018	1	B.Tech Mechanical	Mechanical Engineering	MBA in Maharashtra University, Mumbai	MBA
2018	1	B.Tech Aerospace	Aerospace Engineering	Politecnico De milao, Italy	MS
2018	1	B.Tech Aerospace	Aerospace Engineering	Illinois Institute of technology, USA	MS
2018	1	B.Tech Mechanical	Mechanical Engineering	Design EnggTrainee-Radical Auto accessories Manufacturer LLC, Dubai	ME
2018	1	B.Tech Mechanical	Mechanical Engineering	Saingits Institute of management, Kerala	ME
2018	1	B.Tech Mechanical	Mechanical Engineering	MS in Riga Tech Univ, Latvia	MS
2018	1	B.Tech Mechanical	Mechanical Engineering	MBA in Management Busines School, Mumbai	MBA
2018	1	B.Tech Mechanical	Mechanical Engineering	Saingits Institute of management, Kerala	ME
2018	1	B.Tech Mechanical	Mechanical Engineering	Marine Course	ME
2018	1	B.Tech Mechanical	Mechanical Engineering	MBA, IBS Bangalore	MBA
2018	1	B.Tech Mechanical	Mechanical Engineering	IIT, Madras	M.TECH
2018	1	B.Tech Mechanical	Mechanical Engineering	LAMBTON COLLEGE, Ontario, Canada	MS

2018	1	B.Tech Mechanical	Mechanical Mechanical Engineering	Kongu Engineering College Perundurai, Erode	ME
2018	1	B.Tech Mechanical	Mechanical Mechanical Engineering	ARA Institute of CANTERBURY, NEW ZEALAND	MS
2018	1	B.Tech Mechanical	Mechanical Mechanical Engineering	PGDM in Me chatronics, Indo German Tool Room, Aurangabad	MS
2018	1	B.Tech Mechanical	Mechanical Mechanical Engineering	Supplied M anufacturing Management, Conastoga College, Canada	MS
2018	1	B.Tech Mechanical	Mechanical Mechanical Engineering	MS in University of waterloo	MS
2018	1	B.Tech Mechanical	Mechanical Mechanical Engineering	PGDM in Lyola, Chennai	MS
2018	1	B.Tech Mechanical	Mechanical Mechanical Engineering	Bible College SABC BENGALURU	B. THEOLOGY
2018	1	B.Tech Mechanical	Mechanical Mechanical Engineering	SRH University heidelberg, German	MS
2018	1	B.Tech Mechanical	Mechanical Mechanical Engineering	Supply Management Logistics, Massey University, NEW ZEALAND	MS
2018	1	B.Tech Mechanical	Mechanical Mechanical Engineering	MS, CANADORE College CANADA	MS
2018	1	B.Tech Aerospace	Aerospace Engineering	Khulna university of technology and science	MS
2018	1	B.Tech Aerospace	Aerospace Engineering	Politecnico De milao, Italy	MS

2018	1	B.Tech Aerospace	Aerospace Engineering	Gayatri Vidya Parishad, Visakhapatnam	ME
2018	1	B.Tech Aerospace	Aerospace Engineering	KL university, Vijayawada	ME
2018	1	B.Tech Aerospace	Aerospace Engineering	Politecnico De milao, Italy	MS
2018	1	B.Tech Aerospace	Aerospace Engineering	University of Kansas, USA	MS
2018	1	B.Tech Aerospace	Aerospace Engineering	MS Aeronautical and Astronautical Engineering, Swansea University	MS
2018	1	B.Tech Aerospace	Aerospace Engineering	Sault College, Canada	MS
2018	1	B.Tech Civil	Civil Engineering	SVU college of Engineering Thirupathi	ME
2018	1	B.Tech Civil	Civil Engineering	Indian Institute of Infrastructure and Construction	M.TECH
2018	1	B.Tech Civil	Civil Engineering	Anna University, Chennai	ME
2018	1	B.Tech Civil	Civil Engineering	Cambrian College, Canada	MS
2018	1	B.Tech Civil	Civil Engineering	Vellore Institute of Technology, Vellore	M.TECH
2018	1	B.Tech Civil	Civil Engineering	SRM Institute of technology and Sciences, Chennai	M.TECH
2018	1	B.Tech Civil	Civil Engineering	Monash University, Australia	MS



2018	1	B.Tech Civil	Civil Engineering	NCKU, Taiwan	MS
2018	1	B.Tech Electronics and Electricals Engineering	Electronics and Electricals Engineering	Karunya Institute of Technolgy and Sciences, Coimbatore	M.Tech
2018	1	B.Tech Electronics and Electricals Engineering	Electronics and Electricals Engineering	University of Petroleum and Energy	MS
2018	2	B.Tech Electronics and Electricals Engineering	Electronics and Electricals Engineering	VIT,Vellore	M.Tech
2018	1	B.Tech Electronics and Electricals Engineering	Electronics and Electricals Engineering	Francis xavier Engineering college	ME
2018	1	B.Tech Electronics and Electricals Engineering	Electronics and Electricals Engineering	National Engineering College	M.Tech
2018	1	B.Tech Electronics and Electricals Engineering	Electronics and Electricals Engineering	Saveetha University ,Chennai	ME
2018	1	B.Tech Electronics and Electricals Engineering	Electronics and Electricals Engineering	BIT MESRA	M.Tech
2018	2	B.Tech BioMedical Engineering	BioMedical Engineering	VIT University	M.Tech
2018	1	B.Tech BioMedical Engineering	BioMedical Engineering	MIT University	M.Tech
2018	1	B.Tech BioMedical Engineering	BioMedical Engineering	KITS	M.Tech
2018	1	B.Tech BioMedical Engineering	BioMedical Engineering	SRM University	M.Tech
2018	1	B.Tech BioMedical Engineering	BioMedical Engineering	University of Siena, Italy	MS

2018	1	B.Tech BioMedical Engineering	BioMedical Engineering	Conestoga, Canada.	MS
2018	1	B.Tech Bio Technology	Bio Technology	Food and Nutrition Georgian College Canada.	MS
2018	1	B.Tech Bio Technology	Bio Technology	University of Siena, Italy	MS
2018	1	B.Tech Bio Technology	Bio Technology	PSG College of Technology, Coimbatore	ME
2018	1	B.Tech Electronics and Communication Engineering	Electronics and Communication Engineering	Queensland University of Technology, Australia	MS
2018	1	B.Tech Electronics and Communication Engineering	Electronics and Communication Engineering	Southern Asia Bible College	B.Theology
2018	1	B.Tech Electronics and Communication Engineering	Electronics and Communication Engineering	Swinburne University of Technology, Australia	MS
2018	1	B.Tech Electronics and Communication Engineering	Electronics and Communication Engineering	Master of Engineering at James Cook University	MS
2018	1	B.Tech Electronics and Communication Engineering	Electronics and Communication Engineering	Ph.D, Karunya Institute of Technology and Sciences, Coimbatore	PhD
2018	1	B.Tech Electronics and Communication Engineering	Electronics and Communication Engineering	Ph.D, Karunya Institute of Technology and Sciences, Coimbatore	PhD
2018	1	B.Tech Instrumentation Engineering	Instrumentation Engineering	Course in NTF	Short term Course
2018	1	B.Tech Ins	Instrument	Mar	MS

		Instrumentation Engineering	Instrumentation Engineering	Gregorios Institute of Process Instrumentation & Electronics	
2018	1	B.Tech Instrumentation Engineering	Instrumentation Engineering	PSG College of Technology	ME
2018	1	B.Tech Instrumentation Engineering	Instrumentation Engineering	Rajagiri, Kerala	ME
2018	1	B.Tech Instrumentation Engineering	Instrumentation Engineering	VIT Vellore	M.Tech
2018	1	B.Tech Instrumentation Engineering	Instrumentation Engineering	SMEC Lab - Automation, Safety Course	ME
2018	1	B.Tech Instrumentation Engineering	Instrumentation Engineering	NIELIT, Calicut	ME
2018	1	B.Tech Instrumentation Engineering	Instrumentation Engineering	MBA, KITS	MBA
2018	1	B.Tech Instrumentation Engineering	Instrumentation Engineering	Automation Course	ME
2018	1	B.Tech Instrumentation Engineering	Instrumentation Engineering	SMEC Lab - PGDIA	ME
2018	3	B.Tech Instrumentation Engineering	Instrumentation Engineering	Karunya Institute of Technology and Sciences	M.Tech
2018	1	B.Tech Instrumentation Engineering	Instrumentation Engineering	Rajagiri Business School, Kerala	ME
2018	1	B.Tech Instrumentation Engineering	Instrumentation Engineering	National Institute of Electronics & Information Technology, Chennai	M.Tech
2018	2	B.Tech Instrumentation Engineering	Instrumentation Engineering	SMEC - Post Graduate Diploma in	ME

				Industrial Automation	
2018	1	B.Tech Instrumentation Engineering	Instrumentation Engineering	NIIT, Hyderabad	M.Tech
2018	1	B.Tech Instrumentation Engineering	Instrumentation Engineering	PSG College of Technology, Coimbatore	ME
2018	1	B.Tech Instrumentation Engineering	Instrumentation Engineering	Vellore Institute of Technology, Vellore	M.Tech
2018	1	B.Tech Electronics and Electricals Engineering	Electronics and Electricals Engineering	University of Waterloo, Canada	MS
2018	1	B.Tech Electronics and Electricals Engineering	Electronics and Electricals Engineering	Karunya Institute of Technology and Sciences, Coimbatore	M.Tech
2018	1	B.Tech Electronics and Electricals Engineering	Electronics and Electricals Engineering	Meenakshi Sundaranar College	ME
2018	1	B.Tech Electronics and Electricals Engineering	Electronics and Electricals Engineering	Sathyabama University	M.Tech
2018	1	B.Tech Electronics and Electricals Engineering	Electronics and Electricals Engineering	Karunya Institute of Technology and Sciences, Coimbatore	M.Tech
2018	1	B.Tech Electronics and Electricals Engineering	Electronics and Electricals Engineering	Loyola College, Chennai	ME
2018	1	B.Tech Electronics and Electricals Engineering	Electronics and Electricals Engineering	GCT Coimbatore	ME
2018	1	B.Tech Electronics and Electricals Engineering	Electronics and Electricals Engineering	St.Peter College of Engineering,C	ME

		Electricals Engineering	Electricals Engineering	hennai	
2018	1	B.Tech Electronics and Electricals Engineering	Electronics and Electricals Engineering	SRM, Chennai	M.Tech
2018	1	B.Tech Bio Technology	Bio Technology	Toi Ohomai Institute of Technology, Rororua, New Zealand	MS
2018	1	B.Tech Mechanical	Mechanical Engineering	Dr. Sivanthi Aadhithanar Engineering College, Tiruchendur, Anna University	ME
2018	1	B.Tech Mechanical	Mechanical Engineering	Chaitanya Bharathi Institute of Technology, Hyd, Telangana	ME
2018	1	B.Tech Mechanical	Mechanical Engineering	University of Cassino and Southern Lazio, Italy	MS
2018	1	B.Tech Mechanical	Mechanical Engineering	University of Petroleum and Energy Studies, Uttarakhand	ME
2018	1	B.Tech Mechanical	Mechanical Engineering	Technische Universitat, Clusthal	MS
2018	1	B.Tech Mechanical	Mechanical Engineering	Technische Universität München, Germany	MS
2018	1	B.Tech Mechanical	Mechanical Engineering	College of Engineering Trivandrum, Kerala	ME
2018	1	B.Tech Mechanical	Mechanical Engineering	Conestoga College International Education Office, Canada	MS
2018	1	B.Tech	Mechanical	San Jose	MS

		Mechanical	Mechanical Engineering	State University, Washington Sq, United States	
2018	1	B.Tech Mechanical	Mechanical Engineering	Concordia University, Montréal, QC H3G 1M8, Canada	MS
2018	1	B.Tech Mechanical	Mechanical Engineering	University of Central Lancashire, Fylde Rd, Preston PR1 2HE, UK	MS
2018	1	B.Tech Mechanical	Mechanical Engineering	Sapienza University of Roma, Italy	MS
2018	1	B.Tech Mechanical	Mechanical Engineering	Queen's University, Belfast	MS
2018	1	B.Tech Mechanical	Mechanical Engineering	Probono Consulting & Volunteering	MS
2018	1	B.Tech Mechanical	Mechanical Engineering	MS, Martin Luther University, Halle Wittenberg	MS
2018	1	B.Tech Mechanical	Mechanical Engineering	MBA, Christ University, Bangalore	MBA
2018	1	B.Tech Mechanical	Mechanical Engineering	Marine Course	ME
2018	1	B.Tech Mechanical	Mechanical Engineering	MBA, IBS Bangalore	MBA
2018	1	B.Tech Mechanical	Mechanical Engineering	IIT, Madras	M.Tech
2018	1	B.Tech Mechanical	Mechanical Engineering	Lambton College, Ontario, Canada.	MS
2018	1	B.Tech Mechanical	Mechanical Engineering	Kongu Engineering College Perundurai, Erode	ME

2018	1	B.Tech Mechanical	Mechanical Mechanical Engineering	ARA Institute of CANTERBURY, NEW ZEALAND	MS
2018	1	B.Tech Mechanical	Mechanical Mechanical Engineering	PGDM in Me chatronics, Indo German Tool Room, Aurangabad	ME
2018	1	B.Tech Mechanical	Mechanical Mechanical Engineering	Supplied M anufacturing Management, Conastoga College, Canada	MS
2018	1	B.Tech Mechanical	Mechanical Mechanical Engineering	Bible College SABC BENGALURU	B.Theology
2018	1	B.Tech Mechanical	Mechanical Mechanical Engineering	MS at Canadore College Canada.	MS
2018	1	B.Tech Electronics and Communic ation Engineering	Electronics and Communication Engineering	VIT Vellore.	M.Tech
2018	1	B.Tech Electronics and Communic ation Engineering	Electronics and Communication Engineering	Manipal Academia of Higher Education	ME
2018	1	B.Tech Electronics and Communic ation Engineering	Electronics and Communication Engineering	Michigan Tech UNIVERSITY USA	MS
2018	1	B.Tech Electronics and Communic ation Engineering	Electronics and Communication Engineering	Karunya Institute of Technology	M.Tech
2018	1	B.Tech Electronics and Communic ation Engineering	Electronics and Communication Engineering	University of Trento, Italy	MS
2018	1	B.Tech Electronics and Communic ation Engineering	Electronics and Communication Engineering	Janson School of Business, Coimbatore	MS
2018	1	B.Tech		Easwari	ME

		Electronics and Communication Engineering	Electronics and Communication Engineering	Engineering College, Chennai	
2018	1	B.Tech Bio Technology	Bio Technology	Anna University Regional Campus, Coimbatore	ME
2018	1	B.Tech Bio Technology	Bio Technology	Aaaranya Biosciences, Chennai	ME
2018	1	B.Tech Bio Technology	Bio Technology	KL university, Vijayawada	ME
2017	1	B.Tech Bio Technology	Bio Technology	Anna University Regional Campus, Coimbatore	ME
2018	1	B.Tech Bio Technology	Bio Technology	Hindusthan School of Management	ME
2018	1	B.Tech Bio Technology	Bio Technology	Karunya Institute of Technology and Sciences	M.Tech
2018	1	B.Tech Bio Technology	Bio Technology	RWTH aachen university, Germany	MS
2018	1	B.Tech Bio Technology	Bio Technology	Post Graduate Diploma, Hospital and Healthcare Management, SYMBIOSIS INTERNATIONAL UNIVERSITY	PGME
2018	3	B.Tech Computer Science Engineering	Computer Science Engineering	Christ Cniversity, Bangalore	MBA
2018	1	B.Tech Computer Science Engineering	Computer Science Engineering	PSG Tech, Coimbatore	ME
2018	1	B.Tech Computer Science Engineering	Computer Science Engineering	The University of Texas at Arlington	MS
2018	1	B.Tech	Computer	NIT,	M.Tech



		Computer Science Engineering	Science Engineering	Trichy	
2018	1	B.Tech Computer Science Engineering	Computer Science Engineering	IIT bhubaneswar	M.Tech
2018	1	B.Tech Computer Science Engineering	Computer Science Engineering	University of New Hampshire, US	MS
2018	3	B.Tech Computer Science Engineering	Computer Science Engineering	Mepco Schlenk engineering college, Sivakasi	MS
2018	2	B.Tech Computer Science Engineering	Computer Science Engineering	St Joseph's College of Engineering. Chennai	ME
2018	1	B.Tech Computer Science Engineering	Computer Science Engineering	Monash University Malaysia	M.Tech
2018	1	B.Tech Computer Science Engineering	Computer Science Engineering	Sri Venkateswara College of Engineering and Technology,, Sri Perumpudur	ME
2018	1	B.Tech Computer Science Engineering	Computer Science Engineering	University of Melburne, Australia	MS
2018	1	B.Tech Computer Science Engineering	Computer Science Engineering	Karunya Institute of Engineering and Sciences	M.Tech
2018	1	B.Tech Computer Science Engineering	Computer Science Engineering	University of Southern Queensland(Australia)	MS
2018	1	B.Tech Computer Science Engineering	Computer Science Engineering	Edinburgh Napier University Edinburgh, United Kingdom	MS
2018	1	B.Tech Computer	Computer Science	Cambrian College of	MS

		Science Engineering	Engineering	Applied Arts and Technology, Canada	
2018	1	B.Tech Computer Science Engineering	Computer Science Engineering	IIM, Pune	M.Tech
2018	1	B.Tech Computer Science Engineering	Computer Science Engineering	KM Music Conservatory, Chennai	Master of Music
2018	1	B.Tech Computer Science Engineering	Computer Science Engineering	Karunya Institute of Technology and Sciences, coimbatore	M.Tech
2018	1	B.Tech Computer Science Engineering	Computer Science Engineering	University of Greenwich, London, England	MS
2018	1	B.Tech Computer Science Engineering	Computer Science Engineering	Birla Institute of Technology, Mersa, Ranchi	M.Tech
2018	1	B.Tech Computer Science Engineering	Computer Science Engineering	MBA at SAVEETHA SCHOOL OF MANAGEMENT, CHENNAI	MBA
2018	1	B.Tech Computer Science Engineering	Computer Science Engineering	MS at leibniz University Hannover, Germany	MS
2018	1	B.Tech Computer Science Engineering	Computer Science Engineering	MBA, North Hampton UK	MBA
2018	1	B.Tech Mechanical	Mechanical Engineering	M.Tech, PSG Tech, Coimbatore	M.TECH
2018	1	B.Tech Mechanical	Mechanical Engineering	MS, Purdue University, USA	MS
2018	1	B.Tech Mechanical	Mechanical Engineering	MBA, IBS Bangalore	MBA
2018	1	B.Tech Mechanical	Mechanical Engineering	PGDM, WE School, Mumbai	ME

2018	1	B.Tech Mechanical	Mechanical Mechanical Engineering	Masters in Mech (Automo tive), Windsor Univ, Canada	MS
2018	1	B.Tech Mechanical	Mechanical Mechanical Engineering	MS in France	MS
2018	1	B.Tech Aerospace	Aerospace Engineering	Hindustan University, Chennai, Tamil Nadu	ME
2018	1	B.Tech Aerospace	Aerospace Engineering	Politecnico De milao, Italy	MS
2018	1	B.Tech Civil	Civil Engineering	Thiagarajar College of Engineering	ME
2018	1	B.Tech Civil	Civil Engineering	SRM Institute of Science and Technology, Kancheepuram .	M.TECH
2018	1	B.Tech Civil	Civil Engineering	Vellore Institute of Technology, Vellore	M.TECH
2018	1	B.Tech Civil	Civil Engineering	SRM Institute of Science and Technology, Kancheepuram .	M.TECH
2018	1	B.Tech Civil	Civil Engineering	Monash University, Australia	MS
2018	1	B.Tech Civil	Civil Engineering	Sri Krishna College of Engineering and Technology, Coimbatore.	ME
2018	1	B.Tech Civil	Civil Engineering	Vellore Institute of Technology, Vellore	M.TECH
2018	1	B.Tech Civil	Civil Engineering	Griffith University, Australia	MS

2018	1	B.Tech Civil	Civil Engineering	Thiyagarajar College of Engineering, Madurai.	ME
2018	1	B.Tech Civil	Civil Engineering	NICMAR, Pune	M.TECH
2018	1	B.Tech Civil	Civil Engineering	Vel Tech Rangarajan D r.Sagunthala R &D Institute of Science and Technology, Chennai.	M.TECH
2018	1	B.Tech Civil	Civil Engineering	NICMAR, Pune	M.TECH
2018	1	B.Tech Civil	Civil Engineering	Rajagiri Center of Business Studies, Kochi, Kerala.	ME
2018	1	B.Tech Civil	Civil Engineering	NICMAR, Goa	M.TECH
2018	1	B.Tech Civil	Civil Engineering	Dr. Sivanthi Aadhithanar Engineering College,Tiru chendur.	ME
2018	1	B.Tech Civil	Civil Engineering	Karunya Institute of Technology and Sciences, Coimbatore	M.TECH
2018	1	B.Tech Civil	Civil Engineering	Sona College of Technology, Salem	ME
2018	1	B.Tech Civil	Civil Engineering	NICMAR,Pune	M.TECH
2018	1	B.Tech Civil	Civil Engineering	Jamescook University, Australia	MS
2018	1	B.Tech Civil	Civil Engineering	McGill University, Canada	MS
2018	1	B.Tech Civil	Civil Engineering	MGR University, Chennai	ME

2018	1	B.Tech Civil	Civil Engineering	NICMAR, Pune	M.TECH
2018	1	B.Tech Civil	Civil Engineering	Internatio nal Institute of Industrial safety Management	MS
2018	1	B.Tech Civil	Civil Engineering	Coimbatore Institute of Technology, Coimbatore	ME
2018	1	B.Tech Electronics and Communic ation Engineering	Electronics and Communication Engineering	Karunya School of Management, Coimbatore	MBA
2018	1	B.Tech Electronics and Communic ation Engineering	Electronics and Communication Engineering	Kumaraguru College of Technology, Coimbatore	ME
2018	9	B.Tech Electronics and Communic ation Engineering	Electronics and Communication Engineering	Karunya Institute of Technology, Coimbatore	M.Tech
2018	1	B.Tech Electronics and Communic ation Engineering	Electronics and Communication Engineering	Conestoga college, Canada	MS
2018	1	B.Tech Electronics and Communic ation Engineering	Electronics and Communication Engineering	Kongu Engineering College, Erode	ME
2018	1	B.Tech Electronics and Communic ation Engineering	Electronics and Communication Engineering	Bharathida san University	ME
2018	1	B.Tech Electronics and Communic ation Engineering	Electronics and Communication Engineering	Sri Krishna College of Engineering, Coimbatore	ME
2018	1	B.Tech Electronics and Communic ation Engineering	Electronics and Communication Engineering	MBA in Christ University	MBA
2018	1	B.Tech		Manipal	ME

		Electronics and Communication Engineering	Electronics and Communication Engineering	Institute of Technology, Karnataka	
2018	1	B.Tech Electronics and Communication Engineering	Electronics and Communication Engineering	Michigan State University, U.S	MS
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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
GATE	4
TOFEL	8
<a href="#">View File</a>	

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

Activity	Level	Number of Participants
Mindkraft	National	1998
KEMT	South India Level	3500
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### 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
2017	All India Inter University Athletics Champioship, Position: II Place, Merit Certificate, Silver Medal, Trophy.	National	3	Nil	UR15ME208	Aadarsh Ram J
2018	Natnol Level Reliance Foudation Youth Sports Atheletics Championsh ip, Position:	National	2	Nil	UR15ME208	Aadarsh Ram J

	II Place, Awards : Merit Certificate, Silver Medal.					
2017	63rd Juniour National Ball Badminton Championship, Position: III Place, Awards: Merit Certificate, Bronze Medal, Trophy, STAR OF INDIA AWARD	National	4	Nil	UR16BT099	P.V.V.IS HWARYA
2018	63rd Senior National Ball Badminton Women Tournament, Position: III Place, :Awards Merit Certificate, Bronze Medal Trophy.	National	3	Nil	UR16BT099	P.V.V.IS HWARYA
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5.3.2 – Activity of Student Council & representation of students on academic & administrative bodies/committees of the institution (maximum 500 words)

Student members of one topper from boys and girls of each section are nominated as class representatives, for all the sections from I Year to Final Year. The student members bring forward the views and suggestions of the entire class with respect to the faculty, subjects, syllabus and other things related to the class. The Student Council helps students share ideas, interests, and concerns with lecturers and mentors. They often also help raise funds for raise funds for awarding scholarships to needy students in our Institute

#### 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 :

1 Silver Jubilee reunion of 1988 to 1991 Batch on 29 July 2017  
 2 Alumni Office Bearers meet on 10 July 2017  
 3 Inaugural Alumni Day Celebration 2 July 2017  
 4 Meet and Greet Muscat and Oman 17 March 2018  
 5 Alumni Induction Program on 7 June 2018

## 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)

KITS introduced the best practice of Decentralization in the year 2013 after which academic heads have taken full responsibility in policy formulation, financial planning, quality assurance, industry interaction and placement initiatives. The Institution encourages academic departments to function independently by giving powers and authority to its Heads of the Department. HoD Empowerment: The HoDs are also given financial powers as per the budget approved for their department during each academic year under various heads such as purchase of new equipment, software, stationary, Faculty Development programme, Students earn while you learn schemes, Research, Academic input from External Experts, Industry Interaction, Alumni Meetings, Parents Meeting etc. This practice of decentralization has yielded enhanced results and increased employee involvement at the Institution. The HoDs are empowered to approve any type of leave to the faculty and staff members of their departments. Faculty Empowerment: The faculty members are empowered to sanction any type of leave to the students through online portal of KITS. The progress of the students can be monitored by the Faculty Mentors who can interact with the Parents directly for any appreciation or remedial measures.

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	Conduction of External course file



	audit at the end of each semester.
Examination and Evaluation	Question paper setting workshop for faculty

6.2.2 – Implementation of e-governance in areas of operations:

E-governance area	Details
Student Admission and Support	Eduserve to select Subject teacher
Finance and Accounts	Payment of dues

**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
2017	Dr. Narendhir akannan RT	The 2017 World Congress on Advances in Nano, Bio, Robotics and Energy, Seoul, S. Korea	NIL	55000
2017	Dr. N.M. Siva Mangai	India m2m iot forum 2018	NIL	20650
2018	Dr. N.M. Siva Mangai	IEEE Woman in Engineering International Leadership Conference	NIL	11553
2018	Dr. S. Immanuel Alex Pandian	An Unvarying Orthogonal Search with Small Triangle Pattern for Video Coding	NIL	3500
2018	Mrs. T. Mary Neebha	An Unvarying Orthogonal Search with Small Triangle Pattern for Video Coding	NIL	3500
2017	Dr.Jims John Wessely	One week Diploma Course in Drone Technology	NIL	40000
2017	Dr.Jims John Wessely	Dhio center for excellence, Bangalore	NIL	3500
2018	Dr.Aldin Justin	5th National Symposium on shock waves	NIL	4000

		NSSW 2018		
2017	Mr. Gopalsamy	Dhio center for excellence, Bangalore	NIL	3500
2017	Dr.S.Murugan	Hands on MOOC Workshop, Amrita University, Coimbatore	NIL	400
2017	Dr. J. Jannet Vennila	United Board Fellows program Summer Institute	NIL	277400
2017	Dr. Narendhir akannan	STEM Teacher Training Workshop on Research Based Pedagogical Tools	NIL	12000
2017	Dr.S.Murugan	STEM Teacher Training Workshop on Research Based Pedagogical Tools	NIL	11000
2017	Dr.S.Murugan	Indo UK workshop on AMRSan, ICT Mumbai	NIL	11000
2018	Dr. D. S. Shylu	An Unvarying Orthogonal Search with Small Triangle Pattern for Video Coding	NIL	3500
2018	Mr. K. Dilip Kumar	Faculty Development Programme at LEAD College of Management	NIL	5900
2017	Mr Dhilip and Vishal	Entrepreneurs hip educators	NIL	40000
2017	G.Arockiasamy	International conference on decentralized media and society	NIL	1000
2017	Dr.N.Anand	PDA received for SERB DST funded project	NIL	22500
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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)
2017	Introduction to OBE Teaching in Classrooms	Staff Retreat	03/01/2018	03/01/2018	25	50
2017	Introduction to OBE Teaching in Classrooms	Training on Microsoft Office Suite	10/01/2018	10/01/2018	45	25
2017	Workshop on module plan preparation based on OBE	Staff Retreat	27/06/2018	28/12/2018	50	168

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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
"Networks and Algorithms with Applications"	7	08/09/2017	09/09/2017	2
Two days workshop on Medical image analysis and detection technique with advanced algorithms	5	14/07/2017	15/07/2017	2
Train The Trainer" Workshop	2	26/07/2017	27/07/2017	2
National workshop on research perspectives on solar PV System: Design,	2	27/07/2017	28/07/2017	2

Simulation and Applications				
'Workshop on "Hospital Project - Dream or Reality	1	28/07/2017	28/07/2017	1
National Workshop on Interpretation of Spectral Data and Identification of Phytoconstituents	1	01/09/2017	02/09/2017	2
National Workshop on Recent trends and challenges in solar fed drives for industrial applications	1	22/07/2017	22/07/2017	1
PhD curriculum framing workshop	1	27/07/2017	28/07/2017	2
Workshop on Signal Processing in MIMO Wireless Communication Systems Theory and Practice	1	10/08/2017	12/08/2017	3
International Workshop on Power System dynamics and renewable integration	5	11/08/2017	12/08/2017	2
Workshop on Data Analytics using statistical techniques	4	17/08/2017	19/08/2017	3
Modelling and optimization Techniques in Electrical Engineering MOTEE'17	1	07/09/2017	07/09/2017	1
Hands on training on Applications of IoT and wireless sensor	3	07/09/2017	09/09/2017	3

networks using nMote embedded platform and zolertia device				
One day workshop on Intellectual Property Rights Regime in India - IPRR17	22	18/09/2017	18/09/2017	1
National Level workshop on RaspberryPi with Python in Engineering Applications - RPWPEA17	1	20/09/2017	20/09/2017	1
National Level Workshop on Solar Power Installation at CIAL	2	21/09/2017	21/09/2017	1
Two Days Workshop on "Brain Controlled Robots"	3	22/09/2017	23/09/2017	2
Two Days workshop on Industrial Automation using PLC and HMI	4	22/09/2017	23/09/2017	2
Handson MOOC workshop -Innovative Research in Pedagogy for miniMOOCs blended with Instruction Strategies to enhance Quality of Higher Education	4	23/09/2017	24/09/2017	2
National Workshop AutoCAD Electrical	2	26/09/2017	26/09/2017	1
International Science Congress Thailand 2017 Post Conference Workshop in	1	02/10/2017	03/10/2017	2

Mathematical Modelling Techniques				
International Workshop on Block Chain Technology Global Health	5	05/10/2017	05/10/2017	1
Academies Lecture workshop on Shock waves in Science, Engineering Medicine	9	06/10/2017	07/10/2017	2
Computational Methods in Bayesian Statistics and Machine Learning Monte Carlo for Statistical Inference Using R	1	07/10/2017	07/10/2017	1
Workshop on "Robotic Welding and its applications	1	07/10/2017	07/10/2017	1
National Workshop on Industrial Automation	2	08/10/2017	08/10/2017	1
One day workshop on Writing Research paper in Latex	6	09/10/2017	09/10/2017	1
STEM Teacher Training Workshop on Research Based Pedagogical Tools	2	11/10/2017	14/10/2017	4
International Workshop on "Advancements in Composite Materials and its Applications	7	13/10/2017	16/10/2017	4
Workshop on Upcoming technologies in	1	20/10/2017	20/10/2017	1

Electronics and communication Workshop on Upcoming technologies in Electronics and communication				
Workshop on "URJAVARAN	1	27/10/2017	27/10/2017	1
International workshop on Social network Analysis	1	03/11/2017	03/11/2017	1
Workshop on Lesson Plan Writing and Assessment	23	18/11/2017	22/11/2017	5
Workshop on Mathametical Modeling, Optimizing and Simulation	6	27/11/2017	27/11/2017	1
National workshop on Mathematical modelling, optimizing and simulation	29	27/11/2017	27/11/2017	1
Teachers' Enrichment workshop for Mathematics Teachers of Engineering College	1	27/11/2017	02/12/2017	6
National Workshop on Mathematical Modeling, Optimizing and Simulation	2	27/11/2017	27/11/2017	1
International Workshop on Advanced Control Design	1	04/12/2017	05/12/2017	2
STEM Level II Teacher Training Workshop "Research Based Pedagogical Tools	2	06/12/2017	08/12/2017	3
IGSIUrbanLab #2 Workshop	2	07/12/2017	08/12/2017	2

National Workshop on EMTPRV for Power System Applications	1	08/12/2017	08/12/2017	1
"Research Based Pedagogical Tools"	1	10/12/2017	13/12/2017	4
VRF Systems Design and Good Installation Practices	2	16/12/2017	16/12/2017	1
Workshop on 'Laser induced breakdown spectroscopy	2	08/01/2018	08/01/2018	1
Advanced CFD tool for turbomachinery applications	2	11/01/2018	12/01/2018	2
Two days workshop on "Deep Learning Academic and Research Perspectives	6	24/01/2018	25/01/2018	2
'Workshop on IoT	50	02/02/2018	02/02/2018	1
Workshop on "Internet of ThinksLimitless Possibilities	2	02/02/2018	02/02/2018	1
Workshop on Educate the Educators	2	05/02/2018	05/02/2018	1
Workshop on Tackling Antimicrobial Resistance Through Better Sanitation, Institute of Chemical Technology, Mumbai and University College London	1	05/02/2018	08/02/2018	4
One day workshop on Phased array design simulation with	6	07/02/2018	07/02/2018	1



keysight solution				
International Workshop on Surgical Innovations and Health care Technology	2	12/02/2018	14/02/2018	3
International Workshop on Aviation	1	13/02/2018	13/02/2018	1
TEQIP III sponsored two day workshop on Computer Vision with Machine Learning	3	16/02/2018	17/02/2018	2
Workshop on "Interior Design and 3D Printing"	24	22/02/2018	23/02/2018	2
Workshop on Siemens Certified Professional Program along with COREL Technologies	1	22/02/2018	22/02/2018	1
Interior Design 3D Printing"	3	28/02/2018	28/02/2018	1
Workshop on IC Design and Implementation using Mentor Graphics EDA Tool	3	01/03/2018	02/03/2018	2
Workshop on Career and Research Opportunities in Sustainable Energy Sectors	2	08/03/2018	09/03/2018	2
"Deep Learning and DevOps"	3	13/03/2018	14/03/2018	2
Workshop on Blockchain Technologies	3	15/03/2018	17/03/2018	3
State Level Biosafety capacity Building	1	23/03/2018	23/03/2018	1

workshop				
Skill Development workshop on Non Destructive Testing Techniques for RCC Structures	3	24/03/2018	24/03/2018	1
Workshop on Technical writing Research Methodology	3	26/03/2018	27/03/2018	2
One day workshop on Deep Learning and Computer Vision	8	07/04/2018	07/04/2018	1
Workshop on "Friction Material Concepts Formulation, Testing Environmental Issues	1	10/04/2018	10/04/2018	1
IndoCanada training Workshop on Advanced Instrumentation Techniques	3	24/04/2018	24/04/2018	1
Workshop on IPR and Patents Rajiv Gandhi National Institute of Intellectual Property Management (RGNIIPM),	2	07/06/2018	08/06/2018	2
FDP on Preparation of project proposal on social enrichment	13	21/07/2017	21/07/2017	1
Faculty Development Program on .Net Technologies	3	19/08/2017	19/08/2017	1
Faculty Development Program on	1	28/07/2017	28/07/2017	1

Health Analysis				
FDP on Wireless Sensor Networks	1	26/12/2017	30/12/2017	5
Two week Faculty Development Program in Entrepreneurship	1	10/07/2017	22/07/2017	13
Development Program on Hadoop Technology	2	23/09/2017	23/09/2017	1
Faculty Development Program on Kanban Methodology	1	23/09/2017	23/09/2017	1
faculty development program on Electromagnetics, Microwave, RF and Antenna design using ANSYS HFSS Tool Flow	1	24/11/2017	27/11/2017	4
Faculty development programme on Professional Ethics and Integrity	34	18/11/2017	18/11/2017	1
Faculty development programme on Emerging Agile Methodologies	1	16/06/2017	16/06/2017	1
Faculty development program	2	04/12/2017	10/12/2017	7
Faculty development programme on Electromagnetic, Microwave, RF and Antenna Design using Analysis HFSS tool flow	1	20/11/2017	24/11/2017	5
Faculty Development programm held at Lead College	1	05/03/2017	17/03/2018	13

of Management Dhoni, Palakkad				
Development Program on Model based system design (solid thinking EMBEDDED) in Engineering Applications	1	08/11/2017	08/11/2017	1
Faculty Development Program on Kanban Methodology held at Cognizant	1	19/09/2017	19/09/2017	1
Faculty development Program on Team Building held at Bungalow Club, Coimbatore	15	23/11/2017	23/11/2017	1
Robotic Process Automation UiPath	2	21/10/2017	21/10/2017	1
Faculty Development Program on "Publishing in Premier Journals" held at Kumaraguru College of Technology	2	07/12/2017	08/12/2017	2
Faculty Development Program on 'Cloud Based CAD/CAM Tools for Product Design' held at Ramaiah Institute of Technology, Bangalore (sponsored by AICTE)	2	29/12/2017	29/12/2017	1
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6.3.4 – Faculty and Staff recruitment (no. for permanent recruitment):

Teaching		Non-teaching	

Permanent	Full Time	Permanent	Full Time
430	9	180	7

#### 6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
Staff Benevolent Fund	Staff Benevolent Fund	Dr. DGS Dinakaran Loan 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 201718. 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
Nil	0	0
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#### 6.4.3 – Total corpus fund generated

259300000
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### 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	IQAC, KITS	Yes	Dr. D Tensing
Administrative	No	Nil	Nil	Nil

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

Nil
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#### 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, Mentoring are collected periodically from parents durin 3. Facilitate linkages with industries for placement

#### 6.5.4 – Development programmes for support staff (at least three)

1. Year of Crowning Glory - 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 on 10.01.2018 3. Towards Crowning Glory - Staff

Retreat

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
2018	Course File Audit	09/03/2018	09/03/2018	10/03/2018	17
2018	Course File Audit	15/08/2018	15/08/2018	15/09/2018	15
2017	Questiton Paper Audit	01/05/2017	01/05/2017	01/05/2017	4
2017	Energy Audit	20/09/2017	20/09/2017	20/09/2017	1
2018	Research Audit	02/05/2018	02/05/2018	16/05/2018	20
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**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
Training workshop on "Vermicomposting" for unemployed women	05/10/2017	05/10/2017	23	12
Awareness Program on Importance on Education	18/07/2017	18/07/2017	25	5

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

**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	8382

#### 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
2017	1	1	14/10/2017	1	Rally on Conservation of Nature Resources	Awareness on deforestation and urbanisation	200
2017	1	1	21/11/2017	1	Motivational seminar for Govt. School students	Technology growth Career guidance.	300
2017	1	1	09/12/2017	1	World Disabled Day Special Games for differently abled Children	Patriotism Social awareness	20
2018	1	1	26/01/2018	1	Republic Day Celebration in Govt Schools and Kalkothipathi Tribal Village	Patriotism Social awareness	30
2018	1	1	10/02/2018	1	Dental camp Kali mangalam by lotus and Thulasi pharmacy	Teeth related diseases Dental care.	80

2018	1	1	11/02/2018	1	Eye Camp Mundanthurai	Significance of eye. Eye care.	75
2018	1	1	12/02/2018	1	Awareness Programme on Horticulture	Importance of Horticulture in homes.	60
2018	1	1	13/02/2018	1	Dengue awareness programme at Thenna manallur, Kallipalayam	Awareness on Dengue Mosquito	55
2018	1	1	14/02/2018	1	Education Awareness Programme to Ukkadam Slum Children and distribution of School Bags in association with World Vision.	Insight on value added education.	60
2018	1	1	14/02/2018	1	Preventing Eye Problems Naturally By Dr.M.Sathish Kumar, Director, School for Perfect Vision, Cbe.	Significance of eye. Eye care. Exercise for better eye sight.	45
2017	1	1	05/09/2017	1	Enrichment programme was conducted for Seesha Tuition Centre Teachers	Teaching methodology and counselling to teenagers.	5



2017	1	1	08/09/2017	1	Competition and Awareness Programme on Food	Junk food affect. Healthy food habits.	600
2017	1	1	05/10/2017	1	Training workshop on Vermicomposting for Farmers, Unemployed women and youth	Economic growth. Solid Waste management.	50
2017	1	1	13/10/2017	1	Kousika River Rejuvenation Campaign	Mass cleaning and Swatch Bharath Waterbody cleaning for agriculture	100
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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 Handbook	03/07/2017	Students handbook is updated every year and released during the first week of each academic year. The code of conduct, human values and Professional ethics are followed up by the Heads of the Departments, Faculty Members, Deputy Registrar (Student Affairs), Director (Student Affairs), Senior Resident Advisors, Wardens and Chief Wardens in the campus. Various committees such as Anti Ragging committee, Sexual Harassment Committee are effectively functioning to ensure protection of human values. The feedback on the implementation of the same is obtained through 'tellus@karunya.edu' which are being monitored

		by the Administration and necessary efforts are made to address various issues.
HR Policy for Faculty	03/07/2017	Faculty Members are provided with HR policy hand book which is available in the Karunya Institute of Technology and Sciences portal for communicating Human values, Professor Ethics and code of conduct in the campus to them.

#### 7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
Induction to Newly Joined Faculty Members	06/03/2018	08/03/2018	30
Mentoring the Mentors	14/06/2018	20/06/2018	272
Visioning Program for Leaders	20/06/2018	20/06/2018	36
Freshers Induction Program	04/06/2018	20/06/2018	15
Leadership Summit on the theme Lets Think	15/11/2017	15/11/2017	40
Retreat on Living Our Vision Everyda y	24/11/2017	24/11/2017	21
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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

<p><b>BEST PRACTICES 1: Academic Audit Objectives of the Practice</b> The Primary objective is to streamline academic functions and standardize practices to ensure that every faculty member performs his/her best in teaching and research through proper feedbacks and monitoring the progress. Intended Outcome • Innovative teaching pedagogy by Faculty members with proper documentation using standardized formats to ensure improved performance of students in all the assessments. • Also focused research progress by scholars pursuing PhD</p>
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programmes. Underlying principles concepts of this practice • Monitoring and control mechanisms improve performance • Standardization of practices for quality control • Benchmarking for improved performance The practice Academic Audit is being conducted once in a semester. Every faculty member maintains course files for the theory and laboratory subjects handled during a particular semester with required documents. These course files are audited by external auditors from premier Institutions and the feedback is given to the Head of the Departments who in turn communicates the feedback to the faculty. Problems encountered and resources required Identifying suitable External Auditors and obtaining their convenient time to visit the campus for auditing the course files on stipulated days. Best practice 2: Campus Management System (Eduserve)

Objectives of the Practice • Automate all the Institutional processes minimizing the man hours involved in documentation with the facility for secured data storage enabling ease of retrieval and generation of required reports. • Facilitate the students and staff with quick access and responses

Intended Outcome • Enhanced satisfaction levels among students, staff and parents • Quick updates on academic and administrative proceedings • Hassle free communication and decision making practices • Paper less offices and environmental consciousness

Underlying principles concepts • Technology driven campus to match with the Government Initiatives • Decentralization of powers and autonomy to individuals • Ease of information storage with zero redundancy

The context KITS being a technical Institution offering a variety of engineering and research programs is expected to deploy the benefits of automation for effective functioning. KITS have developed several inhouse Enterprise Resource Planning packages and has successfully utilized them for managing student affairs, HR affairs, learning and evaluation management, library resources etc., Evidence of Success The introduction of a proper automation system at KITS has completely changed the functioning and academic culture on campus. Students and staff find it convenient to manage data and information pertaining to their needs and obtain immediate responses from competent authorities. Problems Encountered and Resources Required Adaptability issues which needs training and continued technical support.

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

<http://www.karunya.edu/igac/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

In the three decades of service to higher education, Karunya Institute of Technology and Sciences has made significant progression in teaching learning, research and consultancy, innovation and transfer of technology, community service and value education. Translating the vision of the Founders into action, the institution is currently engaged in finding solutions to human problems in the four major areas such as Water, Food, Healthcare, and Energy through scientific and technological interventions.

Provide the weblink of the institution

<http://karunya.edu/>

### 8.Future Plans of Actions for Next Academic Year

Future Plans of action for the next academic year Karunya Institute of Technology and Sciences strategically planned to move towards the accomplishment of the following during the academic year 201819

1. To focus on innovative research in the identified thrust areas of the Institution, namely water, food, health and renewable energy which are relevant to the society.
2. To enhance the

academic standards with innovative teaching methodology, experiential learning, project and activity based learning. 3. To strengthen international collaborations and industrial relations thereby giving the faculty and student community opportunities for academic pursuit and practical experience, apart from job opportunities. 4. To expand the scope of extension and continuing education facilities to mould the students as social entrepreneurs. 5. To concentrate on innovative research leading to publications in reputed journals and patents leading to product development. 6. To effectively involve the student and faculty community in consultancy works in the socially relevant areas like Digital India, Smart City, Swachh Bharath, Green Environment and Climate Change mitigation. 7. To achieve the above mentioned growth plan, the Institution has devised the following GOALS: • Innovative and socially relevant research • Providing unique student experience • Building on teaching and learning environment • Involvement with other communities • Enhancement of overall staff capabilities • Networking with reputed organizations • Introducing efficient management practices • Emphasis on sustainability considerations It is expected to improve the ranking of the Institution in NIRF and bring it within 50 from the present rank of 72 within a period of five years.