Yearly Status Report - 2019-2020

Part A	
Data of the Institution	
1. Name of the Institution	**RAJALAKSHMI ENGINEERING COLLEGE**
Name of the head of the Institution	**Dr.S.N.Murugesan**
Designation	**Principal**
Does the Institution function from own campus	**Yes**
Phone no/Alternate Phone no.	**04467181111**
Mobile no.	**9791135753**
Registered Email	**admin@rajalakshmi.edu.in**
Alternate Email	**iqac@rajalakshmi.edu.in**
Address	**Rajalakshmi Nagar, Thandalam**
City/Town	**Chennai**
State/UT	**Tamil Nadu**
Pincode	**631502**
2. Institutional Status	
Autonomous Status (Provide date of Conformant of Autonomous Status)	**08-Jun-2017**
Type of Institution	**Co-education**
Location	**Rural**
Financial Status	**private**
Name of the IQAC co-ordinator/Director	**Dr.V.Prasannakumari**

Phone no/Alternate Phone no.	04467181080
Mobile no.	9884179632
Registered Email	iqac@rajalakshmi.edu.in
Alternate Email	prasannakumari.v@rajalakshmi.edu.in

3. Website Address

Web-link of the AQAR: (Previous Academic Year)	http://www.rajalakshmi.org/IQAC/AQAR-2018-19.pdf

4. Whether Academic Calendar prepared during the year

4. Whether Academic Calendar prepared during the year	Yes
if yes,whether it is uploaded in the institutional website: Weblink :	http://www.rajalakshmi.org/IQAC/REC-AcademicCalendar-ODD-2019-20.pdf

5. Accrediation Details

Cycle	Grade	CGPA	Year of Accrediation	Validity	
				Period From	**Period To**
1	B	70.90	2007	31-Mar-2007	30-Mar-2012
2	B	2.71	2013	25-Oct-2013	24-Oct-2018
3	A	3.14	2016	25-May-2016	31-Dec-2022

6. Date of Establishment of IQAC

6. Date of Establishment of IQAC	02-May-2007

7. Internal Quality Assurance System

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 Leadership Programme	19-Apr-2020 12	24
Workplace Communication Skills	20-Apr-2020 5	125
FDP on Outcome Based Education	16-Dec-2019 6	45
FDP on Research Methodology and IPR	30-	150

	Nov-2019 1	
Camp to frame Syllabus to higher semester based on regulations 2019 for both UG and PG	01-Nov-2019 2	400

View File

8. Provide the list of Special Status conferred by Central/ State Government-UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.

Institution/Department/Faculty	Scheme	Funding Agency	Year of award with duration	Amount
Not Applicable	NA	Nil	2020 0	0

No Files Uploaded !!!

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 :	4
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. Attaining 106th position in NIRF 2020 2.Implementation of Digital Valuation and Double valuation of End Semester Answer Scripts in Autonomous Stream 3. Innovative Design Thinking Contests by all departments to encourage higher order thinking and technical skills of students 4. Faculty publications in reputed and indexed journals encouraged by increased incentive, based on impact factor and citations 5. Margdarshan project sanctioned by AICTE conferring

REC as a Mentor institute in recognition of its long standing in Accreditations and quality metrics. 12 institutions are mentored for Accreditation process and practices through this scheme.

View File

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

Plan of Action	Achivements/Outcomes
Industry collaborated courses and programmes to be offered	CSBS programme in collaboration with TCS is being offered. Relevant Technical trainings are offered as workshops by all departments. Deep Learning offered to students by TCS.
Value Addition Courses to be incorporated as part of Curriculum	Programming Logic is offered to all students for better programming skills and employability
Internships for industry exposure	Increased number of interns by students in various sectors
Encouragement and incentives for high quality publications in Scopus indexed journals	More number of publications in Journals of High reputation and indexing in WoS/Scopus this year
Submission of Research proposals	Fourteen research projects to a tune of Six crores are obtained in core research areas

View File

14. Whether AQAR was placed before statutory body ?	No
15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?	Yes
Date of Visit	06-Sep-2019
16. Whether institutional data submitted to AISHE:	Yes
Year of Submission	2020
Date of Submission	28-Feb-2020
17. Does the Institution have Management Information System ?	Yes

| If yes, give a brief descripiton and a list of modules currently operational (maximum 500 words) | A complete Campus management software has been developed and is being used in the recent years. This software facilitates entry of all master data and data pertaining to everyday activities. Customised reports can be extracted from this with filters and groupings. All major modules as below are fully developed and functional.. 1.Administration 2. Assessment 3. Student information 4. Placement Information 5. Transport 6. Purchase 7. Research, Consultancy Publications 8. Faculty information and activities 9.Comprehensive dashboard according to the roles and responsibilities |

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
BE	AERO	Aeronautical Engineering
BE	AUTO	Automobile Engineering
BE	BIOMED	Biomedical Engineering
BTech	BIOTECH	Biotechnology
ME	BIOMED	Medical Electronics
Mtech	BIOTECH	Biotechnology
BE	CSE	Computer Science Engineerin
ME	CSE	Computer Science Engineerin
BTech	CSBS	Computer Science and Business Sy
BE	CIVIL	Civil Engineering

View File

1.1.2 – Programmes/ courses focussed on employability/ entrepreneurship/ skill development du

Programme with Code	Programme Specialization	Date of Introduction	Course with Cod
BE	Automobile	12/06/2019	GE19421-Soft Skil
BE	Biomedical Engineering	12/06/2019	BM19612- Innovation a Thinking for Biomedica
ME	Medical Electronics	12/06/2019	MX19203- Medical Device market.
BTech	Biotechnology	12/06/2019	HS17361- Interpersona Listening & Spea

Mtech	Biotechnology	12/06/2019	BY17313- Project
BE	Computer Science Engg	12/06/2019	GE19421-Soft Ski
ME	Computer Science Engg	12/06/2019	PG19101- Research Meth IPR
BTech	Computer Science and Business Systems	12/06/2019	GE19421-Soft Ski
BE	Civil engineering	12/06/2019	GE19621 - Problem Techniques
BE	Aeronautical Engg	12/06/2019	AE19P84 - Patent Draf

View File

1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the Academic year

Programme/Course	Programme Specialization
BTech	Computer Science and Business Systems

View File

1.2.2 – Programmes in which Choice Based Credit System (CBCS)/Elective Course System implem the Academic year.

Name of programmes adopting CBCS	Programme Specialization	Date of imple
BTech	Computer Science and Business Systems	

1.3 – Curriculum Enrichment

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

Value Added Courses	Date o Introduct
One Day Workshop on Problem Solving Technique Tools used in Industry	03/08/2
Three days workshop on Electrical Vehicle Engineering	18/12/2
Introduction to Online Data structures and Algorithms	13/04/2
AWS Cloud Computing Architecture - Training	09/03/2
Working in a Team	12/09/2
Avenues in Composite Materials Processing and Characterization	06/06/2
Industrial Robotics and Automation	16/08/2

View File

1.3.2 – Field Projects / Internships under taken during the year

Project/Programme Title	Programme Specialization	No. of students
BE	Aeronautical Engineering	

BE	Automobile Engineering	
BE	Biomedical Engineering	
BTech	Biotechnology	
BE	Computer Science Engineering	
BE	Civil Engineering	
BE	Chemical Engineering	
BE	Electronics and Communication Engineering	
BTech	Food Technology	
MBA	MBA	

[View File](#)

1.4 – Feedback System

1.4.1 – Whether structured feedback received from all the stakeholders.

Students
Teachers
Employers
Alumni
Parents

1.4.2 – How the feedback obtained is being analyzed and utilized for overall development of the
words)

Feedback Obtained

The curriculum is made vibrant by the involvement of the stakeholder
experts in the concerned field of studies. The revision and redesign
on recent developments and feedback from stakeholders. Feedbacks reg
aspects will be received from Alumni, Industry experts and Academici
every semester and are reviewed by the faculty who are members of BC
constitute inputs and guidance from industry experts, opinions obtai
academic institutions and feedback from Survey (Course End Survey, C
Alumni Survey). For foundation courses in Engineering, course commit
departments. Relevant and innovative suggestions related to the cour
inclusion in the curriculum. The course committees shall be involved
the curriculum and syllabi for the foundation courses in the areas c
Sciences, Basic Sciences, Mathematics and Engineering Sciences. Base
from the various stakeholders through interactions / questionnaires
meetings, the sub-committee will finalize the curricula. The finaliz
syllabi of various semesters in each department will be presented an
Board of studies (BOS) meetings concerned for its recommendation to
approval. The BOS comprises of Chairperson of BOS concerned- HOD, In
University nominees, Industry experts, Academicians and Alumni stude
given in the BOS meetings will be approved in the Academic Council m
in an academic year. Curriculum approved by the Academic Council is
feedback on progress is obtained through class committee meetings, C
sessions and online feedback by students. All necessary remedial act
address the concerns and grievances expressed through these.

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	Numbe
BE	Computer Science and Engineering	300	
BE	Computer Science and Business System	60	
BE	Civil Engineering	120	
BTech	Chemical Engineering	60	
BTech	Biotechnology	180	
BE	Biomedical Engineering	120	
BE	Atuomobile Engg	60	
BE	Aeronautical Engg	60	
BE	Electronics and Communication Engineering	240	
BTech	Information Technology	120	

View File

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 fulltim available in the teaching only P
2019	6463	317	175	36

2.3 – Teaching - Learning Process

2.3.1 – Percentage of teachers using ICT for effective teaching with Learning Management System 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	N cl
434	434	10	36	

View File of ICT Tools and resources

View File of E-resources and techniques used

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

Every student is assigned a faculty mentor called as "Academic counselor", who will be with th degree from our college. Academic counselors monitor and mentor students in the following a regularity and discipline 2.Improve teacher-student relationship 3. Monitor and assist them to assessments and end semester examinations. 4. Advise and help them get sufficient coaching arrears if any 5. Guide students to choose a right career path for job, higher studies, entrepr process is reviewed by the respective department heads and principal at regular intervals. Tl

development of the student. Faculty advisor meets the students frequently and discusses var
lectures, laboratory performances, participation of seminar / conferences and technical even
and career development.

Number of students enrolled in the institution	Number of fulltime teachers
6770	434

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 year
30	30	Nill	30

2.4.2 – Honours and recognition received by teachers (received awards, recognition, fellowships 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, re recognized l
2019	Dr. Yogesh Kumar Sinha	Professor	"Teaching Awards in Enginee UNIVERSITY, UK EDUC
2019	Dr A Saravanan	Assistant Professor	IEI Young Engineers Award Convection of Environment E by Karnataka State Centre, August 2
2020	Dr.K.Jayashree	Professor	Young Achiever Award from
2019	Dr.S.Baghavathipriya	Professor	Top 20 Influential Women E
2019	Dr K R Sowmya	Professor	Received the Indo-Thai Ac Academic Leadership by IARD at KU Home, Kasetsart Un Bangko

View File

2.5 – Evaluation Process and Reforms

2.5.1 – Number of days from the date of semester-end/ year- end examination till the declaratic

Programme Name	Programme Code	Semester/ year	Last date of the last semester-end/ year-end examination	Date of declara yea
BE	All	3,5,7	12/11/2019	
BE	All	1	07/12/2019	
ME	All	3	07/11/2019	
ME	All	1	06/01/2020	
MBA	–	3	07/11/2019	
BE	All	4,6,8	06/06/2020	
BE	All	2	14/07/2020	
ME	All	2	14/07/2020	
ME	All	4	08/09/2020	

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

Number of complaints or grievances about evaluation	Total number of students appeared
Nill	6770

2.6 – Student Performance and Learning Outcomes

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

http://www.rajalakshmi.org/IQAC/REC-PO-PEO.pd

2.6.2 – Pass percentage of students

Programme Code	Programme Name	Programme Specialization	Number of students appeared in the final year examination	Number of final ye
Aero	BE	Aeronautical Engg	61	
Auto	BE	Automobile Engg	61	
BME	BE	Biomedical Engg	99	
BT	BE	Biotechnology	102	
CSE	BE	Computer Sci & Engg	269	

View File

2.7 – Student Satisfaction Survey

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

https://www.rajalakshmi.org/iqac/SSS-AnalysisRepo

CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION

3.1 – Promotion of Research and Facilities

3.1.1 – The institution provides seed money to its teachers for research

No

No file uploaded.

3.1.2 – Teachers awarded National/International fellowship for advanced studies/ research durir

Type	Name of the teacher awarded the fellowship	Name of the award	Date awa
National	Dr. Sujata Roy	SERB-TARE Teachers Associateship For Research Excellence	18/10/
National	Dr.S.Thiruvengadam	Student Project Scheme 2019-2020	02/03/
National	Dr.S.Geetha	Women Postdoctral Fellowship	10/01/

3.2 – Resource Mobilization for Research

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

Nature of the Project	Duration	Name of the funding agency	Total grant sanctioned
Major Projects	1095	AICTE	30
Major Projects	1095	DST-TDT-WM	48.82
Major Projects	1095	DST-TDT	147
Major Projects	730	DST-SEED-TIDE	53.03
Major Projects	1095	DST SERB TARE	15
Major Projects	1095	DST SERB	35.43
Major Projects	730	AICTE	11.2
Industry sponsored Projects	1095	IITM - PALS RuTAG	3
Major Projects	365	DST-TDT-SHRI(WG)	212.5
Major Projects	730	DST-TDT	129.53

3.2.2 – Number of ongoing research projects per teacher funded by government and non-governr

0.15

3.3 – Innovation Ecosystem

3.3.1 – Workshops/Seminars Conducted on Intellectual Property Rights (IPR) and Industry-Acaden the year

Title of workshop/seminar	Name
AI in Aerospace – Innovations Challenges	Aer Eng
Problem Solving Techniques and tools used in the Industries	Au Eng
Artificial Intelligence Deep Learning	
Hand on Training (Dynamic Engineering Research Centre, Avadi)	Civil
Computer Networks For Human Networking Using Cisco Packet Tracer And Ns-2	
Robotics Training program	
Architecture Foundations in Digital Age	
Importance of quality in Industry Perspective , Brakes India , Chennai	Me Eng
Innovative HR practices in globalised era	

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

Title of the innovation	Name of Awardee	Awarding Agency
SAE E-BAJA 2020	Sabarinathan K , Akash R , Jeevith P , Manoj S , Thanga Gowshick S , Sai Chaitanya M N , Praveen V , Lokesh A , Durga Ramji T , Daniel Fredrick B , Aakash K , Ganeshkumar S , Hariharan K , Indra Asokan , Karthick Roshan Rr , Mohnish J , Neil Joy Janf	SAE India
BioWax Production	Dr.K.Sathya MohanaPriya.S,Arthi.A and Madhumitha.S	Academy of Maritime Education and Training is an educational institute ,Chennai.
Deliveryt - A novel approach for Peptide-mediated delivery of macromolecular cargo.	Biotech students and faculty	iGEM2019 - The iGEM Foundation Boston, Massachusetts, USA.
IIT-Shaasta (Technical event)	Pravin Kumar K V, Gayathri S	IIT-Madras
Olympiad in Chemistry	Kanish R - I ECE B	Russian Centre o Science and Culture, Chenna
National level Award- 2020	Sundar Raj.V, Vijayalakshmi.M	Dr.Kalam Educational Trus
Arthringa (Cash prize of Rs. 1 Lakh)	Vijayasri.K	Tamilnadu State Innovator Award 2019 (Entrepreneurshi Development Innovation Institute)

3.3.3 – No. of Incubation centre created, start-ups incubated on campus during the year

Incubation Center	Name	Sponsored By	Name of the Start-up	Nature of Start-up
NIL	NIL	NIL	NIL	NIL

	No file uploaded.

3.4 – Research Publications and Awards

3.4.1 – Ph. Ds awarded during the year

Name of the Department	
Biotechnology	
Electronics and Communications Engineering	
Information Technology	
Mechanical Engineering	

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

Type	Department	Number of Publication	A
International	Aeronautical Engineering	7	
International	Biotechnology	13	
International	Civil Engineering	2	
International	Chemical	2	
International	ECE	53	
International	EEE	41	
International	Information Technology	19	
International	Mechanical Engineering	29	
International	Mechatronics	5	
International	Humanities and Sciences	27	

View File

3.4.3 – Books and Chapters in edited Volumes / Books published, and papers in National/Internat per Teacher during the year

Department	Num
Aeronautical Engineering	
Automobile Engineering	

View File

3.4.4 – Patents published/awarded during the year

Patent Details	Patent status
A NOVEL ELECTROSPUN NANOFIBROUS SCAFFOLD TO TREAT SKIN BURNS Inventor: Dr.Anitha T Department: Biotechnology	Filed
VACUUM OPERATED CONTINUUM MANIPULATOR Inventors: Harish Santhosh Kumar, Ganesh Kumar, Megha Venugopal, Ms.Keerthana D Department: Mechatronics	Filed
System And Method For Monitoring And Assisting Cognitively Impaired Individuals Inventors: Dr.Devaki K, Sudarsan M, Vignesh G Department: Computer Science	Filed

COMPOSITE FILM FOR EXTENDING THE SHELF LIFE OF BOTTLED PADHANEER Inventors: M.Millicent Mabel, Dr.K.Sathya, Preethi .B Department: Biotechnology	Filed
AUTOMATIC STAND LIFTING SYSTEM FOR MOTORCYCLES WITH FEEDBACK SYSTEM Inventors: Aravind S, Jai Vignesh M, Ranjith Kumar T, Swathy C B, Jagan Shrinivasan R, Keerthana D Department: Mechatronics	Filed
HANDS-FREE HEAD MOUSE CONTROL OF COMPUTER AND MOBILE PHONES Inventors: K.V Pravin Kumar, V.S Selvakumar, Vishal B. Dr.M.Palanivelan Department: ECE	Filed
MULTISOURCE UPS / STABILIZER FOR INDUSTRIAL, COMMERCIAL AND RESIDENTIAL USERS Inventor: Dr. P. Sivakumar Department: EEE	Filed
Ferromagnetic Suspension System for Automobiles Inventors: S. Vinothkumar, S. Sanjay Kumar Department: Mechanical	Filed
ELECTRIC ENERGY GENERATION FROM WASTE WIND VELOCITY OF HIGH RATING AIR CONDITIONERS Inventors: Dr. A. Selvaraj, Dr. R. Essaki Raj, Mr.S. B. Ron Carter, Mrs. A. Alice Hepzibah, Mrs. J. Anto Sheeba Department: EEE	Filed

View File

3.4.5 – Bibliometrics of the publications during the last academic year based on average citation or PubMed/ Indian Citation Index

Title of the Paper	Name of Author	Title of journal	Year of publication	Cit In
Output current enhancement of hexylthiophene functionalized D-p-extended–A triphenylamine in dye sensitized solar cells	N. T. Mary Rosana	New Journal of Chemistry	2019	
LD2FA-PSO: A novel Learning Dynamic Deterministic Finite Automata with PSO algorithm for secured energy efficient routing in Wireless Sensor Network	S. Prithi	Ad Hoc Networks	2020	
Norms of emissions of harmful substances generated from vehicles in the different countries of the world	K.Bhaskar	News of the National Academy of Sciences of the Republic of Kazakhstan, Series of Geology	2019	

Title	Authors	Journal	Year	
		and Technical Sciences		
Energy Efficiency Analysis of differential coopertive algorithm in wireless sensor networks	M.Kanthimathi, R.Amutha, K.Senthilkumar	Clustering Computing	2019	
Metallurgical and mechanical characterization of TiCN/TiAlN and TiAlN/TiCN bilayer nitride coatings	Shankar E	Surfaces and interfaces	2019	
A study on volatility in stock market(NSE) based on select sectoral indices during union budget period of India	Sankararaman, G., Suresh, S., Thomas, T.C., Vishnupriya	International Journal of Recent Technology and Engineering	2019	
Biological evaluation, molecular docking and DFT studies of charge transfer complexes of quinaldic acid with heterocyclic carboxylic acid	Mrs. R. Kavitha	Journal of Molecular Structure	2020	
Sintering temperature effects on nano triphasic bioceramic composite coated 316L SS for corrosion resistance, adhesion strength, and cell proliferation on implants	Dr. R. Manonmani	Journal of Materials Research	2020	
Detection of toxic fluoride ion via chromogenic and fluorogenic sensing. A comprehensive review of the year 2015-2019	Dr. D. Udhayakumari	Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy	2020	
Incorporation of hydrophobic nanochitosan improves wear resistance of dental sealants	Dr. S. Suresh Kumar	International Journal of Polymeric Materials and Polymeric Biomaterials	2020	

View File

3.4.6 – h-Index of the Institutional Publications during the year. (based on Scopus/ Web of scienc

Title of the Paper	Name of Author	Title of journal	Year of publication
Combustion, performance and emission analysis of a diesel engine fuelled with methyl esters of Jatropha and fish oil with exhaust gas recirculation	K.Bhaskar	Energy Procedia, Elsevier	2019
Experimental studies on the performance and emission characteristics of an automobile engine fuelled with fish oil methyl ester to reduce environmental pollution	K.Bhaskar	Energy Procedia, Elsevier	2019
Analysis of Electroencephalogram as a prescreening tool for identification of Schizophrenia	B.Thilakavathi	Medical Physics	2019
Energy Efficiency Analysis of differential coopertive algorithm in wireless sensor networks	M.Kanthimathi, R.Amutha, K.Senthilkumar	Clustering Computing	2019
Development of an Enhanced Secured Authentication and Key Agreement Procedure for UMTS Network	Noor Mohammed, Vali Mohamad, M. Lakshmanan, M. Palanivelan, Sai Giri Ella	Wireless Personal Communication	2020
Uplink Resource Sharing and Power Management Scheme for an Underlay D2D Communication	Noor Mohammed Vali Mohamad,Rajkumar Nagarajan,Lakshmanan Muthukaruppan,Hariharan Subramaniyam, Nandakumar Sendrayan, Velmurugan Thangappa, Palanivelan Manickavelu	Wireless Personal Communications	2020
Compact wideband band-stop filter	Sathish Munirathinam, Amruth Balachandran	Analog Integrated	2020

using stepped complementary split ring resonators		Circuits and Signal Processing	
Fast Response and recovery of nano-porous silicon based gas sensor	V.S.Selvakumar, L.Sujatha	Microsystem Technologies	2020

View File

3.4.7 – Faculty participation in Seminars/Conferences and Symposia during the year

Number of Faculty	International	N
Attended/Seminars/Workshops	79	
Presented papers	173	
Resource persons	11	

View File

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 Ag
Civil Engineering	Mix Design, Fine Coarse Aggregate, Steel Test	Rajam Engineerin Contractors, Mettur Salem
Aeronautical Engineering	Supersonic Jet Mixing	SRM College of Engine
EEE	Setting up Renewable Energy Systems Laboratory	Er.PERUMAL MANIMEK COLLEGE OF ENGINEE
IT – Sentinel Radiology Solutions	Tele-Radiology Software	Consultancy
Mechanical Engineering	Design and Development of Turbocharger Test Rig	Shakthi Tech Manufac India Pvt. Ltd

View File

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	Re (a
IT	Tele-Radiology Software	Sentinel Radiology Solutions	
IT	ERP Process documentation	Consolidated Construction Consortium Ltd.	
IT	Web Portal for Welding Certification	Weld-R	

IT	V-Art Gallery	Consultancy	
Mechanical Engineering	PHA GET Induction Training Program	PHA	

View File

3.6 – Extension Activities

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

Title of the activities	Organising unit/agency/ collaborating agen
COVID – Awarness Online Quiz	NSS of REC
COVID – Awarness Through Virtual Debate on Pandemic awareness	Debating Unio of REC
Diabetes screening for people free of cost	LEO club REC
2 FOR 2 POLIO: In collaboration with our parent club, Rotary Club of Chennai K.K. Nagar, we campaigned for Rotary's 2For2 Polio Initiative and raised awareness and funds towards the cause.	Rotaract Clut
I CAN-CER VIVE TERRY FOX RUN - Cancer awareness programmes and Run	Rotaract Clut
SIPCOT INDUSTRIES, MASS CLEANING DRIVE	SIPCOT
Temple Renewal : uzhavarapani at masilamaneeshwarar sivan temple and various other temples	National Service Schem in associatio with various NGOs
Enactus Project Vidhai- Making seed balls	The Hope Foundation, Chennai
Swach Bharat Activity	Enactus REC
COASTAL CLEAN UP: In collaboration with an NGO and NSS REC, our students participated in "The Planet's Largest Coastal Clean-Up".	Rotaract Clut

View File

3.6.2 – Awards and recognition received for extension activities from Government and other reco

Name of the activity	Award/Recognition	Av E
Project PPK (Personal Protective kit)	Ideas for impact contest. Cash award of Rs. 10,000	Er I

View File

3.6.3 – Students participating in extension activities with Government Organisations, Non-Gover

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
UnnatBharathAbhiyan	REC	A survey was taken in the village of Nemili, in over houses to check the availabi of basic facilities like cl water, sanitation etc, for development of the village
Enactus Project Aran	The Change Foundation, Chennai	SAKE- Safety Assurance Kit Enactus REC was launched t battle Covid-19. Job opportu was created for 2 women.
Swach Bharat Activity	NSS,Enactus and Rotaract of REC	Cleaning Renewal
Awarnes on "breast cancer"	Rotaract Club	I CAN-CER VIVE: Held in th month of october to creat awareness on breast cancer through infographics on caus symptoms and treatments.
Awareness "cancer"	Rotaract Club	TERRY FOX RUN: Delegates fr our club attended the Annu Terry Fox Run, a marathon t aims to raise awareness ar funds for cancer research
Awarness on " POLIO"	Rotaract Club	2 FOR 2 POLIO: In collaborat with our parent club, Rota Club of Chennai K.K. Nagar, campaigned for Rotary's 2Fo Polio Initiative and raise awareness and funds towards cause.
Diabetes screening for people free of cost	LEO club REC	free diabetes screening fc public

View File

3.7 – Collaborations

3.7.1 – Number of Collaborative activities for research, faculty exchange, student exchange duri

Nature of activity	Participant	Source
Swinburne University – Foreign Technical Training Program	Student and faculty exchange	Engi

View File

3.7.2 – Linkages with institutions/industries for internship, on-the- job training, project work, sh

during the year

Nature of linkage	Title of the linkage	Name of the partnering institution/ industry /research lab with contact details	Durat From
Training	Summer In plant training	Brakes India Ltd	10/06/
B.Tech Project work	Role of α–crystallins and chimeric variants in oxidative stress	Dr. Ch Mohan Rao, CSIR – Distinguished Scientist and Former Director, Sir JC Bose National Fellow, Centre for Cellular Molecular Biology, Hyderabad, Telangana 500007.	16/12/
Industrial Visit	Industrial Visit	Waste Water Treament Plants – Perungudi, Nesapakkam Koyambedu	05/03/
Hands on Training	Biodiesel Production	Sathyabama Institute of Science and Technology,Jeppiaar Nagar,Rajiv Gandhi Salai,Chennai-600119,TN,India	05/08/
Simulation software Training	HTRI,DWSIM	B-Naturals	19/10/
In-plant Training	In-plant Training	Taneja Aerospace and Aviation Limited, Tamil Nadu	18/11/
Training	Flight Training Programme	IIT, Kanpur	06/07/
Industrial visit	On-the-job training	Nippo Batteries Pvt Ltd, Tada.	24/08/

View File

3.7.3 – MoUs signed with institutions of national, international importance, other institutions, in during the year

Organisation	Date of MoU signed	Purpose/Activities
CADD Centre	03/03/2020	Training
Bosch	03/06/2019	Training
Institution For Engineering Research and Publication (IFERP)	30/01/2020	Scientific activities-conference, workshops an research funding
Saradha Technologies	24/08/2019	To organize programs and internships for students

View File

CRITERION IV – INFRASTRUCTURE AND LEARNING RESOURCES

4.1 – Physical Facilities

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

Budget allocated for infrastructure augmentation	Budget utilized for inf
1600	1

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities
Laboratories
Value of the equipment purchased during the year (rs. in lakhs)
Classrooms with Wi-Fi OR LAN
Classrooms with LCD facilities

View File

4.2 – Library as a Learning Resource

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

Name of the ILMS software	Nature of automation (fully or patially)	Ver
REC LIBSOFT	Fully	

4.2.2 – Library Services

Library Service Type	Existing		Newly Added	
Text Books	53190	19258748	1939	701288
Reference Books	4309	2545730	145	119139
e-Books	468611	6701838	7134	141361
Journals	31384	10127304	2250	430727
e-Journals	28058	10603306	2005	1114053
Digital Database	45	5646613	5	73660
CD & Video	4772	462731	156	97532
Library Automation	24	623688	2	66000
Weeding (hard & soft)	33	9230	6	1800
Others(specify)	718	1355403	10	30000

View File

4.2.3 – E-content developed by teachers such as: e-PG- Pathshala, CEC (under e-PG- Pathshala C other MOOCs platform NPTEL/NMEICT/any other Government initiatives & institutional (Learning

Name of the Teacher	Name of the Module	Platform is develo
Balaji Rajendran	Fatigue Test Analysis	IMPARTU
Dr.Chitra.S	Digital Electronic Circuits / Participated in Spocathon Event , held as part of Content Augmentation Effort	NPTEL
Dr.S.BaghavathiPriya	Cryptography and Network Security	Impartu class r
Dr. J. Julie	Linear Algebra and Applied Calculus	MOODLES
Venkatasubramanian.N	Numerical Computations with Matlab	NPTEL -

| | | Programming | | | | | transcr (Englis |

4.3 – IT Infrastructure

4.3.1 – Technology Upgradation (overall)

Type	Total Computers	Computer Lab	Internet	Browsing centers	Computer Centers	Office	Departmer
Existing	1955	1275	1825	35	100	34	381
Added	35	33	35	0	0	2	0
Total	1990	1308	1860	35	100	36	381

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

405 MBPS/ GBPS

4.3.3 – Facility for e-content

Name of the e-content development facility	Provide the link of the videos and media
Moodle Learning Management Software	**www.rajalaksh**
Google Meet	**meet.google**
REC Lecture Capturing System	**a.impartus.**

4.4 – Maintenance of Campus Infrastructure

4.4.1 – Expenditure incurred on maintenance of physical facilities and academic support facilitie during the year

Assigned Budget on academic facilities	Expenditure incurred on maintenance of academic facilities	Assigned budget on physical facilities	ma
708	545	585	

4.4.2 – Procedures and policies for maintaining and utilizing physical, academic and support faci complex, computers, classrooms etc. (maximum 500 words) (information to be available in insti

Separate departments for Transport, House Keeping, Infrastructure
Electricity maintenance etc are effectively managing the requiremen
skilled team is in place under the supervision of a designated hea
department. Unified – the management information system developed fo
the policies and procedures to staff and students. We do have a comp
this portal, which will be attended to and will be closed by the

https://www.rajalakshmi.org/iqac/REC-Policy-Procedure-to-Use-Facili

CRITERION V – STUDENT SUPPORT AND PROGRESSION

5.1 – Student Support

5.1.1 – Scholarships and Financial Support

	Name/Title of the scheme	
Financial Support from institution	Meritorious student fee concession	
Financial Support from Other Sources		

| a) National | Sc/ST, MBC, Minority Scholarships |
| b) International | Nil |

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

Name of the capability enhancement scheme	Date of implemetation	Number of students enrolled
Hands on workshop on Robotics	06/06/2020	58
Yoga	07/07/2020	120
Computer Networks for Human Networking using Cisco Packet Tracer and NS-2	13/02/2020	58
AI in Aerospace – Innovations Challenges	07/09/2019	192
General counselling	03/03/2020	321
Language Lab (German)	01/06/2019	117
Bridge course	01/07/2019	116

5.1.3 – Students benefited by guidance for competitive examinations and career counselling offe
year

Year	Name of the scheme	Number of benefited students for competitive examination	Number of benefited students by career counseling activities	Number o have pass
2019	Prerena scheme	15	3344	

5.1.4 – Institutional mechanism for transparency, timely redressal of student grievances, Preven
ragging cases during the year

Total grievances received	Number of grievances redressed	Avg. number of c
56	56	

5.2 – Student Progression

5.2.1 – Details of campus placement during the year

On campus			Off c	
Nameof organizations visited	Number of students participated	Number of stduents placed	Nameof organizations visited	Number part
TCS Ninja	1135	216	ZIEGLER AEROSPACE	

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 jo
2020	1	BE	Aeronautical Engineering	Madras Institute Technology
2020	1	BE	Automobile Engineering.	Audencia Busine School, RMIT University.
2020	1	BE	Biomedical Engineering	University of Sheffield (Unit Kingdom)
2020	6	BTech	Biotechnology	University of Illinois, Chica
2019	1	BE	Computer Science and Engineering	LAKEHEAD UNIVERSITY,CANA
2020	1	BE	Civil Engineering	University Of Houston, Texas
2020	2	BE	Electronics & Communication Engineering	Carleton Univers
2020	2	BE	Electrical and Electronics Engineering	Arizona State University
2019	1	MBA	Management Studies	Dr.Ambedkar Coll of Law,Bangalore- 021

View File

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
GRE	11
TOFEL	4
GATE	34
CAT	5

View File

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

Activity	L
BADMINTON (WOMEN)	Z L

		Z
BALL BADMINTON(MEN)		L
KHO – KHO (MEN)		Z
		L
Rec fights COVID Quiz series (3 rd , 6 th and 9 th May, 2020)		Op
Cancer awareness Campaign Cancer day 04.02.2020 (11.30 AM -2.00 PM)		Op

View File

5.3 – Student Participation and Activities

5.3.1 – Number of awards/medals for outstanding performance in sports/cultural activities at na 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 numbe
2020	Third place - Hockey	National	1	Nill	1702015
2020	RUNNER UP - Handball Men	National	1	Nill	201620(
2019	First Prize - Golf	National	1	Nill	21161612
2019	Kick boxing; Wako India Senior National Kickboxing Championship 2019	National	1	Nill	180601(
2020	Kulu - Kuthu Varisai (Silver) -Silambam	National	1	Nill	190801)
2020	National (ALL INDIA UNIVERSITY GAMES)	National	2	Nill	181001(
2019	Title Winner - Badminton	National	1	Nill	191201(
2019	Atya Patya - Bronze	National	1	Nill	195111(
2019	Third position - International (Maldives International Series)	International	1	Nill	195111(

View File

5.3.2 – Activity of Student Council & representation of students on academic & administrative b institution (maximum 500 words)

Students are members in the following committees • Class committee ragging committee • IQAC • Grievance redressal committee • Women har Students are members of various committees. Class committee mee department with representation from students for understanding acade issues. Class committee meeting is conducted twice in a semester for committee, IQAC, Grievance Redressal committee and women harassmen student members to provide a conducive atmosphere in the campus f meetings are conducted and students actively participate in a

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

Yes

Rajalakshmi Engineering College Alumni Association(RECAL) is adminis
Committee. The alumni association is very active in promoting intera
among the alumni, staff and the management. Besides helping the alum
ways, it also lends its support to the college to achieve its cheris
and mission. The primary aim of the cell is to maintain the relatio
Institute and its alumni by sharing the development and growth of th
platform to facilitate easy communication amongst REC alumni and als
opportunity to reconnect with their Alma-Mater. The Alumni can be er
varying levels of involvement: 1. Stay connected Keep us updated on
you have left REC. Register as a member of the RECAL Alumni Associat
in to let us know where you are. We will send you information on eve
campus and how you can be involved. 2. Take part Do sign up for our
groups. It has been a tradition that the alumni employed in differer
India and abroad help the final year students in their project work
the latest technology and the employment opportunities in the organi
Volunteer Step up to help organize an event or contribute your time
project. As part of the workforce, offer to take REC students as int
they meet your criteria. This will certainly help our students get r
and find employment, respectively.

5.4.2 – No. of registered Alumni:

14782

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

0

5.4.4 – Meetings/activities organized by Alumni Association :

S.No Name of the Event 1 Acing CAT to be a Product Development Co
Biotechnology 2 Semiconductors and Digital IC Design 3 9 Yards
Exploring the world of Medical imaging 5 Recent trends in Biomedical
COVID19 7 Electric Powertrain Technologies on advanced xEVs 8 Wi-F
Performance check of Wireless Charging System 9 Mechanism of Action
a seasonal Influenza Vaccine Model 10 A Snapshot into the Covid-19
into the Covid-19 Pandemic 12 Digital Health innovation- Opportun
Career Guidance in Higher Education 14 Career Guidance in Higher Edu
Target in Advanced Prostate Cancer 16 GATE, CSIR DBT JRF- The Way
GATE, CSIR DBT JRF- The Way to Cross the Bridge 18 GATE, CSIR DBT JR
Bridge 19 GATE, CSIR DBT JRF- The Way to Cross the Bridge 20 Appl
Complete Guide – Components of an Application 21 Application Develop
Front End Design 22 Application Development-A Complete Guide 23 Ho
and Responsive UI with JS 24 Cyber Security Essentials 25 Internet
Applications 26 Introduction to RF design and Applications 27 Alt
Vaccine and Therapeutics Development Using Stem Cell Organoid Plat
other Mucosal Pathogens, 28 How to discover your Ideal Career 29 Ho
Career 30 Industry Readiness

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

1. Academic HoDs were designated in addition to present HoDs, to co
of students and have personal attention to the Teaching Learning. Th
to perform better under the care of Academic HoDs and more events
care is being carried out. 2. Institute Innovation Council has bee
representatives from each department and periodic meetings were hel
out programmes of specific interest and need, which has gained us
for the year 2019-20

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

Strategy Type	Details
Research and Development	Centralized cell (CSRC) to support and guide faculty : submission of the same Increased incentive to promote Scopus indexed journals
Examination and Evaluation	Online CAT Blooms taxonomy and outcomes integrated q audit to ensure quality of evaluation On-screen eval answer scripts
Curriculum Development	Curriculum aligned with GATE and AICTE Model Curric involved in Curriculum framing and dev
Teaching and Learning	Lab integrated theory subjects Lecture capturing a learning at anytime Online classes through Google Cl learning NPTEL courses for credit tr
Admission of Students	Conducted Open Day exhibiting research and lab facil institution for 6000 prospective students from
Industry Interaction / Collaboration	Regular Guest Lectures arranged by every department R are organized Industry supported laboratories and cer provided

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

E-governace area	Details
Planning and Development	The Institution has an indigenous software named Un academic and administrative data collection, process college provides email id for all faculty and rajalakshmi.edu.in domain. All academic circulars communications are sent to faculty members and stude emails groups. The academic calendar is prepared wel beginning of the academic year and is followed for
Administration	Student course registration details, class and se attendance, time table, test schedules, marks in cont and projects, training details, workshop/seminar de processed and periodic reports are generated by Un purchases, service details and procurements are sys through this system.
Finance and Accounts	All fee payments, vendor bills and salaries are made is stored and processed by Unified software. Period generated on any financial transaction made over
Student	Student admission details along with personal informa

Admission and Support	used by this ERP software. Every student is assigned to motivate, monitor and counsel them periodical counselling are maintained in the software. Student represented, redressal information are done th
Examination	Software enables courses registrations, internal asses calculation of attendance percentage and continuous allows him to register for exam and pay fees. Hall through this system and dummy code is generated for is made online to get valuators across state and is d to ensure possible discrepancies. Results are publisl generated through the examination module

6.3 – Faculty Empowerment Strategies

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

Year	Name of Teacher	Name of conference/ workshop attended for which financial support provided	Name of tl for which
2020	Premkumar R	ICECE 2020	
2020	Ms Hemavathy RV	IWN leadership conclave 2020 "SAYYES Women for India @75" at Bolgatty,Cochin	
2020	P.V. Rajaraman	Advanced Deep Learning	Benne
2019	A.J.Jeya Arthi	Practical Training On Geosynthetics And Special Concrete	S:
2019	Mr G. Ezhilmaran	FDP on "Introduction to Rocket Propulsion" – 12 week NPTEL Course	
2019	Mrs. A. Rajalakshmi	Internet of Things: Concepts and Implementation	IEEI
2019	Dr Shanthi R	ISHRAE Membership	ISHRA
2019	Mr. K. Vijayanarasimhan	FDP for CSBS course- Fundamentals of Physics	

View File

6.3.2 – Number of professional development / administrative training programmes organized by 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 D
2020	Webinar on Diesel Engine Emissions	Diesel Engine Emissions	01/05/2020	01/05/
2019	Seminar on "How to Patent an Idea"	NA	12/03/2020	12/03/
2019	Programmic Logic Camp	NA	12/11/2019	23/12/
2019	NA	Latest trends and	08/08/2019	08/08/

		technologies in test and measuring industry by Tektronix and Aarjay International, Chennai			
2019	WorkShop -Avenues in Composite Materials – Processing and Characterization"	NA	06/06/2019	08/06/	

View File

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

Title of the professional development programme	Number of teachers who attended	Fror
Short Term Training Program on Steel – Concrete Composite Structures	1	25/1
STTP on Air delivery systems and indoor environment quality	1	02/0
Academic Leadership Training	20	16/0
Computer and Communication Networks	1	21/0
NPTEL FDP on Introduction to Internet of Things	5	01/0
National Workshop on "An Interactive Approach for Online Design, Develop and Delivery for Higher Education"	1	06/0
IIC Activities by MHRD,AICTE	11	28/0

View File

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

Teaching		Non-t
Permanent	Full Time	Permanent
30	30	11

6.3.5 – Welfare schemes for

Teaching	Non-teaching	
College sponsored Lunch Free Transportation facility Rs.7500 every year for enriching knowledge Incentives for research paper published in Scopus and Web of Science Indexed Journals Medical benefits and Maternity leave Availability of Health Centre and Doctor in campus Salary advance facility	Subsidized canteen facility College sponsored Lunch Free Transportation Salary advance facility Medical benefits and Maternity leave Availability of Health Centre and Doctor in campus	Scho ar as go prc is wir symp

6.4 – Financial Management and Resource Mobilization

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

Internal Audit is carried by officials deputed from head office
reports are obtained prior to the conduct of the external audit w
after the closure of the accounts. During the course of Internal au
followed to regularize the accounts and to obtain confirmations for
collect documentary evidences wherever inadequate in respect of pa
T.D.S and statutory formalities and reconciliation of unit wise bal
accounts and banks reconciliations External audit is done by statut
30 of every year. External statutory audit is conducted by the audi
report with audit findings are submitted to the management. The
findings of the Institutions with trust central office will be cor
returns are submitted to all concerned authorities of the state an

6.4.2 – Funds / Grants received from management, non-government bodies, individuals, philanth covered in Criterion III)

Name of the non government funding agencies /individuals	Funds/ Grnat
NIL	

No file uploaded.

6.4.3 – Total corpus fund generated

10900000

6.5 – Internal Quality Assurance System

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

Audit Type	External		Intern
	Yes/No	Agency	Yes/No	
Academic	Yes	NBA	Yes	IQAC with
Administrative	Yes	NBA	Yes	IQAC with

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

The parents involve themselves in giving feedback for the following
provided to improve the course outcomes (CO) by indirect method
references for best resources for technical value additions • Susta
effective Teaching Learning Process • Contributions towards the ach
Mission and Vision Two Parents-Teachers Meetings were convened to
performance of students

6.5.3 – Development programmes for support staff (at least three)

1. Detailed Demonstrations and hands on training were provided in
Chemical Reaction Engineering laboratory and Instrumentation labo
provided to operate the equipment and also to troubleshoot. 2. Hands
design and its measurements using CAD tool and VNA 3. Hands on
networks for human networking using CISCO packet trace

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

1. Curriculum revision to increased placements in core companie
Programming skill to all students irrespective of specializatic
employability demands 2. Major examination reforms including onli
valuation and double valuation of answer scripts, credit transfer or
etc 3. Around 15 different clubs under CFSR (Center for Fostering
providing opportunity to students to vent their interests

6.5.5 – Internal Quality Assurance System Details

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

6.5.6 – Number of Quality Initiatives undertaken during the year

Year	Name of quality initiative by IQAC	Date of conducting IQAC	Duration From	Du
2019	FDP on Research Methodology and IPR	30/11/2019	30/11/2019	30,
2019	FDP on Outcome Based Education	16/12/2019	16/12/2019	21,
2020	Workplace Communication Skills	20/04/2020	20/04/2020	24,
2020	Academic Leadership Programme	19/04/2020	19/04/2020	30,

View File

CRITERION VII – INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 – Institutional Values and Social Responsibilities

7.1.1 – Gender Equity (Number of gender equity promotion programmes organized by the institu

Title of the programme	Period from	Period To	
Womens Day	05/03/2020	05/03/2020	

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

Percentage of power requirement of the University met by the renewable
15.0

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Numbe
Physical facilities	Yes	
Provision for lift	Yes	
Ramp/Rails	Yes	
Rest Rooms	Yes	

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
2019	1	1	05/07/2019	1	Short speeches on Conservation of Earth

2019	1	1	20/08/2019	1	Quiz on Safety, Health and Environment
2019	1	1	23/06/2019	1	Introduction to project VIDHAI
2019	1	1	02/12/2019	1	Phase 1 of KARKKA KASADARA: An awareness project on the adverse effects of pollution and a way to control it, held in connection with National Pollution Control Day. The kids were also engaged in an activity session, learning how to make paper bags.
2019	1	1	27/12/2019	1	Phase 2 of KARKKA KASADARA: An awareness project on the adverse effects of pollution and a way to control it, held in connection with National Pollution Control Day. The kids were also engaged in an activity session, learning how to make paper bags.
2019	1	1	11/08/2019	1	Garbage disposal discussed with local people and collected the feed back at Cholavaram- Puzhal Canal

View File

7.1.5 – Human Values and Professional Ethics

Title	Date of publication	Follow up(max 100 words)
Student handbook	03/06/2019	This handbook provides information on continuou examinations, calculation of marks, cre
HR handbook – Faculty	03/06/2019	Information relating to various policies of organization like leave, vacation, work responsibilities are explai
Student Calendar	03/06/2019	This provides information on working days, exam Basic information to be known to students l numbers, code of conduct, etc. is available. l forms are also provided.
Ethics Club	03/06/2019	Ethics Club functions in the college for inculc in future engineers.
CFSR	03/06/2019	Students are given opportunities in being par

Activities		initiatives through various clubs functioning
		molds the values each participant has i

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duratic From
Enactus REC conducted "Carnival-2019" which included various events where the students of REC and other Enactus colleges participated to showcase their talents	24/09/2
Constitution Day Activity on Human Rights (Atrium Club REC)	26/11/2
Online Quiz on Culture, Madras and Science. (Atrium Club REC)	14/06/2
Constitution Day Debate (Debating Union REC)	26/11/2
ANBIN THODAKKAM (Rotract REC)	15/08/2
KURUTHI (Rotract Club REC)	25/09/2
AIYAMITTU UN (Rotract Club REC)	26/10/2
Kidzrun- Volunteering (NSS REC)	02/02/2
CII – Conference Volunteering (NSS – REC)	07/11/2
EntrepreNow- A four week workshop conducted for REC students of the year 2019-2023 helping them to be empowered in the entrepreneurial skills	18/07/2

View File

7.1.7 – Initiatives taken by the institution to make the campus eco-friendly (at least five)

1. Unified Portal and use of emails for all communications promote information is stored, communicated and retrieved online. 2. Used collaboration with ITC 3. Compost and manure for plants are produced wastes 4. In the pursuit of making the campus eco-friendly, plas students are encouraged to use eco-friendly products. 5. Used Water used for watering plants, etc.

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

1. Inclusion of Value addition courses like Programming Logic for Al of their specializations to increase their skills to suit modern de End semester answer scripts are valuated via online and twice for eradicate chances of discrepancies.

Upload details of two best practices successfully implemented by the institution as per NA website, provide the link

https://www.rajalakshmi.org/iqac/REC-Bestpractices2

7.3 – Institutional Distinctiveness

7.3.1 – Provide the details of the performance of the institution in one area distinctive to its visi more than 500 words

Students are provided ample opportunities to do projects in the laboratories having state of art equipment , set up by various res out in their departments. Best projects are awarded prizes and sup

development. Viable projects are taken forward for patenting wit
management.

Provide the weblink of the institution
http://www.rajalakshmi.org/IQAC/REC-IPC.pdf

8.Future Plans of Actions for Next Academic Year

1. To manage the pandemic crisis , it is planned to continue Teachin
and assessments are also planned 2. GoGreen Projects to solve social
technologies are proposed and students are funded by REC management
solutions/models 3. 24 x 7 professional psychological counselling su
for all students and faculty of REC 4. Two new UG Courses in emergin
Intelligence and Robotics will be started. 5. To continue our commit
Accreditation for all eligible UG Courses, MCT which has become rece
made to initiate the process for submission of NBA SAR. 6. More enco
for submission of proposals to various funding bodies 7. In addition
courses offered by international platforms like Edex, CoursEra are p
faculty for knowledge enrichment and credit transfer as appropriate