



PRIST

DEEMED TO BE

UNIVERSITY

NAAC ACCREDITED

THANJAVUR- 613 403 - TAMIL NADU

SUBMITTED TO NAAC ON 27.12.2018

AQAR 2017-18



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UNIVERSITY
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THANJAVUR - 613 403 - TAMIL NADU

**Dr.N.ETHIRAJALU, M.Sc., M.Phil., Ph.D.,
VICE CHANCELLOR**

Date: 28.12.2018

To

The Advisor
National Assessment and Accreditation Council (Southern Region),
P.O.Box.No.1075, Nagarbhavi,
Bangalore – 560072.
Karnataka,
India.

Respected Sir,

Sub : Submission of Annual Quality Assurance Report for the Academic Year
2017-2018 – Reg.

Greetings!

I am to inform that a copy of Annual Quality Assurance Report for the Academic Year
2017-2018 of Ponnaiyah Ramajayam Institute of Science and Technology is enclosed herewith
for your kind perusal.

Thanking You,

Yours faithfully,


VICE CHANCELLOR 28.12.2018

Encl : Copy of Annual Quality Assurance Report.

VICE CHANCELLOR
Ponnaiyah Ramajayam Institute of
Science & Technology (PRIST)
(Institution Deemed to be University)
U/s 3 of the UGC Act. 1956
THANJAVUR - 613 403, TAMIL NADU.



vicechancellor@prist.ac.in / registrar@prist.ac.in

Phone: (04362) 265021 / 22 / 23 Fax: (04362) 265150 Website: www.prist.ac.in

Details of the Institution

1.1 Name of the Institution

Ponnaiyah Ramajayam Institute
of Science & Technology
(Institution Deemed to be University)

1.2 Address Line 1

Trichy – Thanjavur Highway

Address Line 2

Vallam

City/Town

Thanjavur

State

Tamilnadu

Pin Code

613403

Institution e-mail address

contact@prist.ac.in

Contact Nos.

Name of the Head of the Institution:

Dr.N.Ethirajalu

Tel. No. with STD Code:

9443147645

Mobile:

04362-265017

Name of the IQAC Co-ordinator:

Dr.T.J. Jayasholan

Mobile:

9443407135

IQAC e-mail address:

iqac@prist.ac.in

1.3 NAAC Track ID (For ex. MHCOGN 18879)

TNUNGN 11415

1.4 NAAC Executive Committee No. & Date:

(For Example EC/32/A&A/143 dated 3-5-2004.

This EC no. is available in the right corner- bottom
of your institution's Accreditation Certificate)

EC/71/A&A/19.1 dated 16-11-2015

1.5 Website address:

www.prist.ac.in

Web-link of the AQAR:

www.prist.ac.in/AQAR2017-18.doc

1.6 Accreditation Details

Sl. No.	Cycle	Grade	CGPA	Year of Accreditation	Validity Period
1	1 st Cycle	B	2.95	2015	5 Years

1.7 Date of Establishment of IQAC :

DD/MM/YYYY

22.06.2010

1.8 AQAR for the year

2017-2018

1.9 Details of the previous year's AQAR submitted to NAAC after the latest Assessment and Accreditation by NAAC (*for example AQAR 2010-11 submitted to NAAC on 12-10-2011*)

i. AQAR 2015-16 (06/03/2018)

ii. AQAR 2016-17 (06/03/2018)

1.10 Institutional Status

University State ☐ Central ☐ Deemed ☒ Private ☐

Affiliated College Yes ☐ No ☒

Constituent College Yes ☐ No ☒

Autonomous college of UGC Yes ☐ No ☒

Regulatory Agency approved Institution Yes ☒ No ☐

(eg. AICTE, BCI, MCI, PCI, NCI)

Type of Institution Co-education ☒ Men ☐ Women ☐

Urban ☐ Rural ☒ Tribal ☐

Financial Status Grant-in-aid ☐ UGC 2(f) ☐ UGC 12B ☐

Grant-in-aid + Self Financing ☐ Totally Self-financing ☒

1.11 Type of Faculty/Programme

Arts ☒ Science ☒ Commerce ☒ Law ☒ PEI (Phys Edu) ☐

TEI (Edu) ☒ Engineering ☒ Health Science ☐ Management ☒

Others (Specify)

1.12 Name of the Affiliating University (for the Colleges)

1.13 Special status conferred by Central/ State Government-- UGC/CSIR/DST/DBT/ICMR etc

Autonomy by State/Central Govt. / University

Institution Deemed To Be University

University with Potential for Excellence

UGC-CPE

DST Star Scheme

UGC-CE

UGC-Special Assistance Programme

DST-FIST

UGC-Innovative PG programmes

Any other (Specify)

UGC-COP Programmes

2. IQAC Composition and Activities

2.1 No. of Teachers

2.2 No. of Administrative/Technical staff

2.3 No. of students

2.4 No. of Management representatives

2.5 No. of Alumni

2.6 No. of any other stakeholder and
community representatives

2.7 No. of Employers/ Industrialists

2.8 No. of other External Experts

2.9 Total No. of members

2.10 No. of IQAC meetings held

4

2.11 No. of meetings with various stakeholders:

4

Faculty

7

Non-Teaching Staff Students

3

Alumni

1

Others

-

2.12 Has IQAC received any funding from UGC during the year? Yes ☐ No ☒

If yes, mention the amount

2.13 Seminars and Conferences (only quality related)

(i) No. of Seminars/Conferences/ Workshops/Symposia organized by the IQAC

Total Nos. ☐ International ☐ National ☐ State ☐ Institution Level ☒

(ii) Themes

- Three Day sequential workshop on “Project Proposal Writing”
- Converting Project into Research Paper Project into Research Paper
- One Day workshop on “ Effective Implementation of Research Integrated Curriculum”

2.14 Significant Activities and contributions made by IQAC

- Organized orientation programme for the newly recruited teaching staff
- Peer Review of Teaching
- Collection of feedbacks from various stake holders and Action taken
- Conducted Academic Audit of all departments
- Provided an action plan for Peer Tutoring and e - tutoring
- Prepared academic calendar and presented for all the schools
- Suggestions are made to make the continuous evaluation more effective
- Institutional Monthly Activity Calendar
- Award of Students Innovative Project Award
- NAAC Criterion wise calendar
- Collection of feedback on teaching Learning and Action taken
- Financial Assistance to Students Innovative Project scheme
- Students Innovative Project Award

2.15 Plan of Action by IQAC/Outcome

The plan of action chalked out by the IQAC in the beginning of the year towards quality enhancement and the outcome achieved by the end of the year

Plan of Action	Achievements
Prepare common guidelines for the preparation of syllabus for different UG and PG programmes.	Curriculum Development Manual For Research Skill Based Course
Monitoring of Academic Calendar	Monthly Review Meeting with Deans of Schools and HODs
Strategies for CIA Reforms	Departments given freedom to frame internal evaluation system. General guidelines for the same are provided to the departments. Introduction of Activity Based Assignment and its assessment pattern
Motivate the faculty members to plan curriculum enrichment programme.	Workshop on Research Integrated Curriculum
Extension and out-reach programmes to ensure the capabilities of the institution are shared with the local community.	Activities organized such as, <ul style="list-style-type: none"> • Mega Science Exhibition • Programme on “After Schooling” • Mahathma Gandhi—150th Birth Anniversary Programme • World Book Day Celebration • World Environment Day Celebration • World Cancer Awareness Day” – Poster Designing Competition • World Science Day” – Science Quiz Competition • Temple cleaning • Tree Plantation • Vellaippan Swami Cleaning Work

2.15 Whether the AQAR was placed in statutory body

Yes

☒

No

☐

Board of Management

☒

Academic Council

☒

Provide the details of the action taken

The AQAR was placed 32nd (10.11.2018) meeting of Board of Management and 19th (09.11.2018) meeting of Academic Council and the same has approved by the Members of BOM and AC for the year 2017-2018. The IQAC meetings were held regularly once in three months. The external members of the IQAC have contributed significantly for evolving strategies towards enhancement of quality in the institution. Best practices such as Course handout, PR Tutor- LMS, Personal Potential Index system have been identified by the IQAC and have been adopted by the institutions.

Moreover, the IQAC has organized number of workshops/ seminars during the year 2017-2018 on themes such as Applying for funding proposals, converting project in to research paper etc.

Further, the institution has taken initiatives to involve students also in the quality enhancement process through the constitutional Students Chapter, Student Ambassadors and Students Cabinet.

Criterion – I

I. Curricular Aspects

1.1 Details about Academic Programmes

Level of the Programme	Number of existing Programmes	Number of programmes added during the year	Number of self-financing programmes	Number of value added / Career Oriented programmes
PhD	16	-	-	-
M.Phil	12	-	-	-
PG	16	-	-	39+29+79
UG	21	-	-	171+44
PG Diploma	06	-	-	-
Advanced Diploma	-+-	-	-	-
Diploma	22	-	-	-
Certificate	34	-	-	1
Others	-	-	-	-
Total		-	-	
Interdisciplinary	-	-	-	-
Innovative	-	-	-	-

1.2 (i) Flexibility of the Curriculum: CBCS/Core/Elective option / Open options

(ii) Pattern of programmes:

Pattern	Number of programmes
Semester	49
Trimester	-
Annual	-

1.3 Feedback from stakeholders*Alumni (On all aspects)

☒

Parents

☒

Employers

☒

Stakeholders

☒

Mode of feedback :Online

☐

Manual

☒

Co-operating schools (for PEI)

☐**Please provide an analysis of the feedback in the Annexure*

1.4 Whether there is any revision/update of regulation or syllabi, if yes, mention their salient aspects.

Yes-The syllabi has been revised for 2017-2018.

- The curriculum is enriched with research-oriented courses for U.G and PG.
- Some new courses are introduced.
- The contents of some courses are updated on emerging areas.
- The concept of self-study has been introduced in the curriculum to enhance the ability of learning skills.
- Communicative English practical courses are offered for all the six semesters in UG, Arts and science programmes.

1.5 Any new Department/Centre introduced during the year. If yes, give details.

No

Criterion – II

2. Teaching, Learning and Evaluation

2.1 Total No. of permanent faculty

Total	Asst. Professors	Associate Professors	Professors	Others
275	182	53	40	-

2.2 No. of permanent faculty with Ph.D.

105

2.3 No. of Faculty Positions Recruited (R) and Vacant (V) during the year

Asst. Professors		Associate Professors		Professors		Others		Total	
R	V	R	V	R	V	R	V	R	V
182	-	53	-	40	-	-	-	275	-

2.4 No. of Guest and Visiting faculty and Temporary faculty

NIL

NIL

-

2.5 Faculty participation in conferences and symposia:

No. of Faculty	International level	National level	State level
Attended	39	61	36
Presented papers	41	54	27
Resource Persons	7	13	18

2.6 Innovative processes adopted by the institution in Teaching and Learning:

- Usage of web tools like POGIL, Bloggers, Cam Studio, Prezi and Dupli checker in teaching learning
- Blended Learning
- Role Play
- Micro Lectures
- E- learning resources and Video Lectures from NPTEL
- E- learning resources form IIT Bombay Remote Centre(NME-ICT)
- Experiential Learning activities like internship and In plant training
- Students In house Seminars and use of Smart Class
- Add-on Certificate and Diploma courses
- Academic linkages with reputed institutions
- Co-curricular activities
- Peer tutoring and e- tutoring
- Peer Review of Teaching
- Small Group Instructional Diagnosis
- PR-Tutor – Learning Management System

2.7 Total No. of actual teaching days during this academic year

213

2.8 Examination/ Evaluation Reforms initiated by the Institution (for example: Online Examination, Bar Coding, Double Valuation, Photocopy, Online Multiple Choice Questions)

- To assure quality and integrity of the evaluation process, Dummy Number System and Double Valuation methods are followed
- ICT has been introduced for effective management of Examination system in our Institution to assure great efficiency, transparency and reliability.
- Online Certificate Verification System has been introduced to facilitate expeditious Verification of Students Certificates
- Online line generation of Examination Application forms and Hall tickets is introduced.
- Online conduct of Examinations has also been implemented for value addition/COMPS Courses in the Curriculum
- The institution has introduced the system of question paper quality index to assess the quality of testing instruments.
- The Institution Ensures timely declaration of results. Results are processed and declared within 15 days from the date of Completion of the valuation process.

2.9 No. of faculty members involved in curriculum restructuring/ revision/ syllabus development as member of Board of Study/Faculty/Curriculum Development workshop

118

121

87

2.10 Average percentage of attendance of students

86.7%

2.11 Course/Programme wise distribution of pass percentage:

Title of the Programme	Total no. of students appeared	Division				
		Distinction %	I %	II %	III %	Pass %
B.Tech. Civil	57	35	56	4	-	95
B.Tech. CSE	57	35	40	18	-	93
B.Tech.ECE	28	36	50	14	-	100
B.Tech. EEE	22	41	50	9	-	100
B.Tech. Mechanical	60	33	42	23	-	98
M.Tech. Structural Engg.	21	48	38	10	-	95

M.Tech Power Systems	23	48	35	3		96
M.Tech. Manu. Tech.	10	50	30	20		100
M.Tech Communication Systems	9	44	33	22		100
M.Tech. CSE	11	55	27	18		100
B.Sc. Mathematics	24	46	50	4		100
B.Sc.Comp. Sci.	57	39	42	14		95
B.C.A	49	41	51	6		98
M.C.A	15	33	67	0		100
B.Com.	25	44	48	8		100
B.B.A	20	45	55	0		100
M.B.A	8	50	38	12		100
B.Ed.	45	40	51	7		98
M.Ed.	7	29	57	14		100
M.Phil. Bio Chemistry	2	50	50	-	-	100
M.Phil. Chemistry	4	75	25	-	-	100
M.Phil. Commerce	4	75	25	-	-	100
M.Phil. Computer Science	19	-	100	-	-	100
M.Phil. Education	2	50	50	-	-	100
M.Phil.English	21	23	57	-	-	100
M.Phil. Mathematics	25	33	67	-	-	100
M.Phil. Management	10	50	50	-	-	100
M.Phil. Physics	2	50	50	-	-	100
M.Phil. Tamil	9	-	100	-	-	100
M.Phil.Microbiology	1	17	67	-	-	100
M.Phil.Bio Technology	2	50	50	-	-	100

2.12 How does IQAC Contribute/Monitor/Evaluate the Teaching & Learning processes:

IQAC ,

- Offer suggestions to follow the best pedagogy for teaching and learning process based on feedback from stake holders, Class committee meeting, Peer Review of Teaching etc.
- Ensures the collection of feedback from all stake holders on curriculum and teaching learning processes
- Analyze the end semester examination results, Evaluate root cause analysis and action for remedy
- Monitors the teaching and learning process through lesson plan, course material, analysis of the continuous assessments, conduct of theory and practical courses, internal academic audit, etc.

- Conduct internal as well as external academic audit to identify the strength, weaknesses, opportunities and challenges of all departments in teaching learning and evaluation process.
- Performance self-appraisal by the faculty
- Small Group Instructional Diagnosis

2.13 Initiatives undertaken towards faculty development

<i>Faculty / Staff Development Programmes</i>	<i>Number of faculty benefitted</i>
Refresher courses	104
UGC – Faculty Improvement Programme	5
HRD programmes	50
Orientation programmes	106
Faculty exchange programme	-
Staff training conducted by the university	117
Staff training conducted by other institutions	79
Summer / Winter schools, Workshops, etc.	122
Others	-

2.14 Details of Administrative and Technical staff

Category	Number of Permanent Employees	Number of Vacant Positions	Number of permanent positions filled during the Year	Number of positions filled temporarily
Administrative Staff	106	-	-	-
Technical Staff	69	-	-	-

Criterion – III

3. Research, Consultancy and Extension

3.1 Initiatives of the IQAC in Sensitizing/Promoting Research Climate in the institution

During 2017-18, IQAC has been focussing on motivating research staff for funded projects and hence organized sequential workshops of proposal writing, apart from several research skill-based programs. Beside, research festivals & innovation parks have been designed for spreading research culture. A robotics research centre has been established with support from IIT-Bhubaneswar for initiating research on robotics. Also the institution taking efforts in promoting research by providing seed money, Research Incentive Plan(RIP) and extending financial support for patenting.

3.2 Details regarding major projects

	Completed	Ongoing	Sanctioned	Submitted
Number	-	-	-	-
Outlay in Rs. Lakhs	-	-	-	-

3.3 Details regarding minor projects

	Completed	Ongoing	Sanctioned	Submitted
Number	-	-	-	-
Outlay in Rs. Lakhs	-	-	-	-

3.4 Details on research publications

	International	National	Others
Peer Review Journals	108	228	336
Non-Peer Review Journals	---	---	---
e-Journals	---	---	---
Conference proceedings			

3.5 Details on Impact factor of publications:

Range	0 - 4	Average	0.5	h-index	24	Nos. in SCOPUS	93
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3.6 Research funds sanctioned and received from various funding agencies, industry and other organisations

Name of the Project (Nature of the project)	Duration Year	Name of the funding Agency	Total grant Sanctioned (in lakh)	Received
Preparation of High Energy Electrode Materials from Ordered Double Hydrophilic Block Copolyelectrolyte Nanostructures (Major project)	3years	DST (SERB - ECR)	21.72	10.17
Carbon-Carbon cross coupling reaction through Reductive Elimination with Iron-catalyst; Spin state influences, Electronic structural and mechanistic studies through DFT (Major project)	3years	DST	38.89	20.90
Establishment of a research-based center for Sustainable Treatment, Reuse and Management for Efficient, Affordable and Synergistic solutions for Water(WATER-IC for SUTRAM of EASY WATER). (Major project)	5years	DST -WTI	40.26	16.22
Reassessment of population status, <i>In vitro</i> propagation and Restoration of three Endemic and Endangered Rudraksha trees (<i>Elaeocarpus</i> spp.) of Western Ghats (Major project)	3years	DBT	19.29	---
Study project on the development of reactor for safe disposal of explosive (Major project)	2years	DRDO	8.99	---

Chemopreventive potential of Reserpine on 7,12 dimethyl benz[a]anthracene induced hamster buccal pouch carcinogenesis (Major project)	2years	ICMR	9.84	---
Synthesis, Antioxidant and Anticancer Studies on Piperidin-Curcumin Hybrids (Projects sponsored by the University)	1 year	---	1.30	1.30
Treatment of Wastewater Using Constructed Wetland (Projects sponsored by the University)	1 year	---	1.00	1.00
Students research projects <i>(other than compulsory by the University)</i>				
Any other(Specify)				
Total	---		141.29	49.59

3.7 No. of books published i) With ISBN No. Chapters in Edited Books

ii) Without ISBN No.

3.8 No. of University Departments receiving funds from

UGC-SAP CAS DST-FIST
DPE DBT Scheme/funds

3.9 For colleges Autonomy CPE DBT Star Scheme
INSPIRE CE Any Other (specify)

3.10 Revenue generated through consultancy

3.11 No. of conferences

organized by the Institution

Level	International	National	State	University	College
Number	--	1		2	
Sponsoring agencies		Institute		Institute	

3.12 No. of faculty served as experts, chairpersons or resource persons

3.13 No. of collaborations International National Any other

3.14 No. of linkages created during this year

3.15 Total budget for research for current year in lakhs :

From Funding agency

From Management of University/College

Total

8410.86

3.16 No. of patents received this year

Type of Patent		Number
National	Applied	4
	Granted	---
International	Applied	---
	Granted	---
Commercialised	Applied	---
	Granted	---

3.17 No. of research awards/ recognitions received by faculty and research fellows
Of the institute in the year

Total	International	National	State	University	Dist	College
8	2	1	-	5	-	-

3.18 No. of faculty from the Institution
who are Ph. D. Guides
and students registered under them

10

189

3.19 No. of Ph.D. awarded by faculty from the Institution

73

3.20 No. of Research scholars receiving the Fellowships (Newly enrolled + existing ones)

JRF

2

SRF

Project Fellows

2

Any other

--

Criterion – IV

4. Infrastructure and Learning Resources

4.1 Details of increase in infrastructure facilities:

Facilities	Existing	Newly created	Source of Fund	Total
Campus area	27.325acres	1 acre	-	28.325 acres
Class rooms	107	04	-	121
Laboratories	33	04	-	37
Seminar Halls	05	02	-	07
No. of important equipments purchased (≥ 1-0 lakh) during the current year.	06	01	-	07
Value of the equipment purchased during the year (Rs. in Lakhs)	1009737	3 Lakh	-	13 Lakhs
Others	1877740	-	-	21 Lakhs

4.2 Computerization of administration and library

- Library and specific areas of administration partially automated
- CCTV camera installed in admin office and library
- Wifi facility in library
- Reprographic facility in library

4.3 Library services:

	Existing		Newly added		Total	
	No.	Value	No.	Value	No.	Value
Text Books	59,539	2,61,65,286	1,227	3,51,900	60,766	2,65,17,186
Reference Books	26,587	1,17,22,548	180	51,500	26,767	1,17,74,048
e-Books	31,834	55,000	8,500	35,000	40,334	90,000
Journals			135	3,20,000	135	3,20,000
e-Journals			76,560	9,00,000	76,560	9,00,000
Digital Database						
CD & Video	1,671	4,171	105	2,100	1,776	6,271
Others (Magazines & News Papers)			35 & 4	49,550	35 & 4	49,550

4.4 Technology up gradation (overall)

	Total Computers	Computer Labs	Internet	Browsing Centres	Computer Centres
Existing	922	10	35 Mbps	2	2
Added	-	-	-	-	-
Total	922	10	35 Mbps	2	2

4.5 Computer, Internet access, training to teachers and students and any other programme for technology Upgradation (Networking, e-Governance etc.)

- ❖ Centre for Knowledge Management organized various Training programmes, Workshops, seminars in various categories such as Role of Web 2.0 Technology in higher education, Development of e-learning Material through Course blogs for teaching staff, non-teaching staff and students.
- ❖ Students are regularly trained for upgrading the computer based Technology.
- ❖ NITTTR Sponsored Teacher training programme organised for faculty
- ❖ Centre for Development of Teaching & Learning organised various programmes for faculty

4.6 Amount spent on maintenance in lakhs :

i) ICT	Rs.24.86 Lakhs
ii) Campus Infrastructure and facilities	Rs. 248.40 Lakhs
iii) Equipments	Rs.10.83 Lakhs
iv) Others	Rs. 32.44 Lakhs
Total:	Rs. 316.53 Lakhs

Criterion – V

5. Student Support and Progression

5.1 Contribution of IQAC in enhancing awareness about Student Support Services

- Motivating students to become entrepreneur through e- learning incubator
- Establishment of Robotics Club
- Introduction of Certificate Course on Cloud Computing and IOT
- Short term Course on POGIL Programme
- Awareness Programme on NPTEL online courses
- Students video Profiling

5.2 Efforts made by the institution for tracking the progression

- Attendance, performance of continuous assessment and end semester examination are analyzed and appropriate action taken.
- Feedback is collected from the students regarding their progression.
- Interaction with students in alumni meetings
- Passed out students progression is tracked by the Placement & Training Cell.

5.3 (a) Total Number of students

UG	PG	Ph. D.	Others(M.Phil)
623	80	47	103

(b) No. of students outside the state

82

(c) No. of international students

11

Men	No	%	Women	No	%
	485	69		218	31

No	%
218	31

Last Year						This Year					
General	SC	ST	OBC	Physically Challenged	Total	General	SC	ST	OBC	Physically Challenged	Total
185	21	02	307	03	518	236	19	03	444	01	703

Demand ratio 12:7

Dropout % Less than 1%

5.4 Details of student support mechanism for coaching for competitive examinations (If any)

- Department of Mathematics conducting add on course on spoken English
- School of education offering special coaching to NET/TRB
- Engineering departments organizing special coaching programmes to GATE
- Training department giving special training on Group Discussion and Interview to final year

No. of students beneficiaries

180

5.5 No. of students qualified in these examinations

NET	9	SET/SLET	5	GATE	17	CAT	-
IAS/IPS etc	-	State PSC	-	UPSC	-	Others	-

5.6 Details of student counselling and career guidance

Academic Counselling
Pre examination counselling
Peer counselling
SFS incharges
Career guidance and counselling cell

No. of students benefitted

380

5.7 Details of campus placement

<i>On campus</i>			<i>Off Campus</i>
Number of Organizations Visited	Number of Students Participated	Number of Students Placed	Number of Students Placed
59	388	325	-

5.8 Details of gender sensitization programmes

- Awareness programme on stress management
- International Women's day Programme

5.9 Students Activities

5.9.1 No. of students participated in Sports, Games and other events

State/ University level National level International level

No. of students participated in cultural events

State/ University level National level International level

5.9.2 No. of medals /awards won by students in Sports, Games and other events

Sports : State/ University level National level International level

Cultural: State/ University level National level International level

5.10 Scholarships and Financial Support

	Number of students	Amount
Financial support from institution	20	2,63,500
Financial support from government	-	-
Financial support from other sources	-	-
Number of students who received International/ National recognitions	-	-

5.11 Student organised / initiatives

Fairs : State/ University level National level International level

Exhibition: State/ University level National level International level

5.12 No. of social initiatives undertaken by the students

5.13 Major grievances of students (if any) redressed: No Such grievances reported

Criterion – VI

6. Governance, Leadership and Management

6.1 State the Vision and Mission of the institution

Vision:

To be internationally recognized Institution for its excellence of academic programmes, for its high quality teaching across a broad range of disciplines, for its efforts in promoting world class research and for its community service in making quality and flexible higher education to reach wider community.

Mission:

1. To dedicate to the communication, expansion and integration of knowledge through excellent undergraduate education as its primary priority and complementary excellent post graduate academic programmes.
2. To offer quality professional education opportunities which are accessible, flexible and borderless.
3. To have a distinct academic approach that emphasizes professional education fosters high achievement and promotes original inquiry, innovation and collaboration.
4. To make the Institution Campus as a Centre of Academic Excellence where high quality research and high quality teaching are mutually sustaining.
5. To develop graduates with ethical and moral values who may be positioned to meet the challenges of a rapidly changing world.
6. To create fulfilling experiences for all students based on commitment of skilled and caring teaching faculty.
7. To aspire to contribute to our nation's economic growth, social development and sustainability.

6.2 Does the Institution has a management Information System :Yes

6.3 Quality improvement strategies adopted by the institution for each of the following:

6.3.1 Curriculum Development

- Flexibility Infused Credit System
- Outcome based Education
- Feedback from stakeholders
- Departmental academic committees constituted to study in detail the extent of changes required in curriculum and evaluation based on the feedbacks obtained.
- Constituted Board of Studies in all disciplines and conducted their meeting for finalising the curriculum design.
- External experts form Industry and Intuition in Board of Studies
- Curriculum revision to meet the industry demands

- Gaps identified in the curriculum are bridged by organising guest lecture/seminars and workshops.
- Faculty members regularly attending international conferences to get ideas about the latest developments and it is used in the curriculum development of programmes.

6.3.2 Teaching and Learning

- Academic calendar, class time table, e content, lab manuals
- Bridge courses and Semester preparatory courses
- Advanced learners facilitate with extra credit courses, peer tutor and challenging assignments
- Slow learners are given special coaching, re-test/Make up test, Supplementary examination and peer tutoring and counselling
- Every department offering add on courses in Diploma/Certificate level on emerging areas.
- Use of web tools for teaching

6.3.3 Examination and Evaluation

- Internal assessment: End-semester exam = 40:60.
- Cycle tests/ / Model examination/ Assignments/ Attendance/ Industrial Training for internal assessment.
- Double Valuation
- Supplementary examination
- Central valuation for end semester examinations.
- Results processing publication within 15 days from the date of last exam.

6.3.4 Research and Development

- Ph.D programs in all disciplines.
- Funded projects by industries / government departments/ industries.
- University Scientist forum
- University Journal
- MOUs with International Organizations
- Award/ filing of patents.
- Publication in peer reviewed journals.
- Seed money for research
- Workshops to increase the research capability of the scholars and teachers

6.3.5 Library, ICT and physical infrastructure / instrumentation

- Wifi enabled campus
- Well Equipped central laboratory with NPTEL workstations
- Digital library with INFLIB NET and EBSCO Host facility is operational
- Proper Maintenance of lab equipment

6.3.6 Human Resource Management

Efforts for Professional Development of Teaching Staff

- The University permits the faculty members to acquire higher degrees and encourages them to register for their Ph.D program
- It also provides „on duty“ facilities to undergo course work and carry out research activities in industry or in other universities/research centers.
- The University provides funds to acquire necessary equipment to carry out their research • Faculty members are permitted to go abroad on leave to pursue their Post Doctoral Fellowship (PDF) programs for maximum period of two years
- Faculty members are also granted sabbatical leave for assignments in Universities abroad for two years in order to get acquainted with international practices
- They are encouraged to publish papers in national and international journals, author text-books and obtain funded projects and are given cash incentives
- They are also encouraged to present their research papers in international conferences. The management sponsors the registration fee and traveling expenditure
- University provides in-house Research Grants to carryout Pilot Projects to demonstrate technical feasibilities of innovative ideas
- All the departments are encouraged to organize national and international seminars / conferences and workshops
- Faculty members are sent to faculty development programs for getting additional training. The trained faculty members are encouraged to impart training to other faculty members
- Faculty members are trained by Mission 10X, NITTTR and NPTEL with innovative teaching techniques beyond the conventional methods of teaching
- The University also has an exclusive faculty training academy which caters to the training needs of faculty

Efforts for Professional Development of Supporting Staff

- The supporting staffs are encouraged to acquire higher degrees and were given on duty facilities. Several supporting staff members have registered for their undergraduate/postgraduate.
- The Institution arranges courses for nonteaching staff to enhance their professional quality.
- Computer training program are organized periodically for the Administrative and Technical Staff

6.3.7 Faculty and Staff recruitment

- Well defined policy and process for faculty and staff recruitment
- Interview panel consisting of external / internal experts.

- Advertisement in leading national dailies.
- Submission of resume.
- Selection of faculty members are based on the UGC norms.

6.3.8 Industry Interaction / Collaboration

- A dedicated Institute Industry Interaction Cell (IIIC) headed by the Chairperson.
- Collaborative MoUs with 42 industries in India and Abroad.

6.3.9 Admission of Students

Well Defined Admission Process and Centralized Admission Committee

- Issue of Application
- Counseling and Guidance
- Document Submission
- Release of Merit List
- Provisional Selection
- Certificate Verification
- Fees Remittance
- Confirmation of Admission

6.4 Welfare schemes for

Teaching Staff

- Medical Facility
- Sabbatical Leave
- Maternity leave for female faculty members
- Seed money for research
- Financial assistance for conference presentation and journal publications
- Group Insurance
- All of them are enrolled in the scheme of Employees provident fund.
- Wards of the staff members are admitted to programme in the University with fee concession

Non-Teaching Staff

- Medical Facility
- Maternity leave for female faculty members

- All of them are enrolled in the scheme of Employees provident fund.
- Wards of the staff members provided free education

Students

- Group Insurance
- Financial assistance for Innovative projects
- Financial Assistance for participation in seminar/symposium/conference and other intercollegiate events.
- Merit Scholarship
- Wifi facility
- Hostel & Temple
- Gym & Yoga
- NPTEL Online Examination
- Special Coaching for competitive examination

6.5 Total corpus fund generated

Rs. 5 Crores

6.6 Whether annual financial audit has been done Yes

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

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	Yes	ISO	Yes	School/Dept
Administrative	Yes	Ext.Auditor	Yes	Internal Auditor

6.8 Does the University/ Autonomous College declares results within 30 days?

For UG Programmes Yes

For PG Programmes Yes

6.9 What efforts are made by the University/ Autonomous College for Examination Reforms?

- Continuous Internal Assessment with 40% weightage
- Central valuation is adopted for the Evaluation of Semester / Examination Answer Scripts.

- Supplementary Examinations are conducted for the benefit of Students.
- Grade Cards / Consolidated/ Mark statements/ Provisional Certificates are issued to the Students within three days from the date of Publication of Results.
- Security features like Holograms and UV/IR Fluorescent detection of Institution Emblem are introduced in the grade cards/Cumulative Mark Statement/Provisional and Degree Certificates.
- Dummy Number System followed
- Double Valuation followed
- Online Certificate Verification System introduced
- Online line generation of Examination Application forms and Hall tickets is introduced.
- Online conduct of Examinations has also been implemented for value addition Courses in the Curriculum.
- The institution has introduced the system of question paper quality index and reliability index to assess the quality of testing instruments.
- Academic Grievance redressal committee available
- Well structured Examination Committee and Flying Squads
- Staff Members working in the Examination Section are prohibited to carry Mobile Phones, Pen drive, Laptop, iPad and other Electronic gadgets into the Examination Section office premises.
- The Ph.D., Thesis Evaluation process and award of Ph.D., Degree is carried out by completely adhering to the UGC (Minimum Standard for Award of M.Phil/Ph.D., Degree) Regulation 2016.

6.10 What efforts are made by the University to promote autonomy in the affiliated/constituent colleges?

Not applicable

6.11 Activities and support from the Alumni Association

- Feedbacks collected from Alumni taken in to consideration for curriculum revision
- Alumni are included as a member of Board of Studies (BoS) at department level.
- The expertise of alumni is utilized for seminars, guest lectures and curriculum reformation.
- Alumni also nominated as member in Academic Council
- Alumni supports for placement.

6.12 Activities and support from the Parent – Teacher Association

- Feedback on various processes
- Collective efforts to reforming erring students

- Parent occupying prestigious official / social positions helping the institute on various areas
- Parents are often meeting the course teacher, class advisor, and HOD for discussing attendance and academic performance. They also give feedback about the university which is used for taking certain policy decision and making suggestions for improvement.

6.13 Development programmes for support staff

- The supporting staffs are encouraged to acquire higher degrees and were given on duty facilities. Several supporting staff members have registered for their undergraduate/postgraduate.
- The Institution arranges courses for nonteaching staff to enhance their professional quality.
- Computer training program are organized periodically for the Administrative and Technical Staff

6.14 Initiatives taken by the institution to make the campus eco-friendly

- Usage of Plastics avoided inside the campus
- Rainwater harvesting
- Bio gas plant
- RO Plant
- Solar powered library
- Green campus
- Minimising use paper
- LED lamps

Criterion – VII

7. Innovations and Best Practices

7.1 Innovations introduced during this academic year which have created a positive impact on the functioning of the institution. Give details.

1. PR-Tutor- Learning Management System- Indigenous software developed by the institution for monitoring/tracking the academic performance
2. Small Group Instructional Diagnosis

7.2 Provide the Action Taken Report (ATR) based on the plan of action decided upon at the beginning of the year

- Conducted a workshop on “ Complete transformation to Learner centric approach
- Conducted a workshop on “CIA Reforms”
- Course matrix prepared for all courses
- Number of students registered for NPTEL online examination increased

7.3 Give two Best Practices of the institution *(please see the format in the NAAC Self-study Manuals)*

- Course Handout
- Supervisory assessment

7.4 Contribution to environmental awareness / protection

- Green Audit
- Energy conservation
- Use of renewable energy
- Water Harvesting
- Efforts for Carbon neutrality
- Plantation
- Hazardous waste management
- e-waste management

7.5 Whether environmental audit was conducted? Yes

7.6 Any other relevant information the institution wishes to add. (for example SWOT Analysis)

Areas of strength:

- Dedicated and visionary management and staff
- Good physical infrastructure
- Good student support activities
- Campus is green and follows green environment policies
- Professional incentives to faculty members
- Good academic and administrative ambience
- Uninterrupted power supply both in hostel and in Institution premises
- Good rapport with stake holders
- Participative management culture
- Rain water harvesting

Areas of Weakness:

- Limited sponsored and consultancy services
- Rural background and less students enrolment
- Lack of 12B status from UGC

8. Plans of institution for next year

- To apply to UGC for securing 12B status
- Unique user portal Mail ID to all the students
- To motivate the students to apply patent for their innovative projects
- To introduce Honors degree programme in various Schools.
- To introduce more integrated and inter-disciplinary programmes in the School of Engineering & Technology
- To further strengthen the collaboration with industrial organizations to improve placement and campus recruitment
- To incorporate Foreign Language Learning Programs
- To motivate the faculty and administrators to make use of Cloud Computing Technology for teaching, learning and other works.
- To motivate the faculty to make use of Internet of Things(IOT) for effective teaching and learning
- To attract funding for research through sponsored research projects
- To establish Robotics Research Centre
- To establish PRIST INNOVATION CENTRE
- To purchase agricultural land(54 Acres) for the School of Agriculture
- To establish Metrological Observatory Lab for the School of Agriculture

Name Dr. B. KUNJITHAPATHAM

B.K.

Signature of the Coordinator, IQAC

Name Dr. N. ATHIRAJALU

N. Athirajalu
27.12.2018

Signature of the Chairperson, IQAC

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