

# ANNUAL QUALITY ASSURANCE REPORT

FOR THE ACADEMIC YEAR 2016 – 2017

SUBMITTED TO

NAAC



PERIYAR  
MANIAMMAI  
UNIVERSITY

(Under Sec. 3 of UGC Act, 1956) • NAAC Accredited

think • innovate • transform

# Annual Quality Assurance Report (AQAR) of the IQAC 2016-17

(1<sup>st</sup> July 2016 - 30<sup>th</sup> June 2017)

## Part – A

**AQAR for the year**

2016-17

### **1 Details of the Institution**

**1.1 Name of the Institution**

PERIYAR MANIAMMAI  
INSTITUTE OF SCIENCE AND  
TECHNOLOGY

**1.2 Address Line 1**

PERIYAR NAGAR

Address Line 2

VALLAM

City/Town

THANJAVUR

State

TAMIL NADU

Pin Code

613403

Institution e-mail address

registrar@pmu.edu

Contact Nos

+91 4362 264600

Name of the Head of the Institution:

Dr. N. Ramachandran  
Vice Chancellor

Tel. No. with STD Code:

+91 4362 264800

Mobile:

+91 9443243684

Name of the IQAC Co-ordinator:

Dr P. Jayasudha

Mobile:

+91 9944495654

IQAC e-mail address:

iqac@pmu.edu

1.3 NAAC Track ID (For ex. MHC0GN 18879)

TNUNGN 10144

(or)

NAAC Executive Committee No. & Date:

EC/71/A&A/8.2 dated 16/11/2015

(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)

1.4 Website address:

www.pmu.edu

1.5 Web-link of the AQAR:

<http://www.pmu.edu/AQAR> 2016-2017.doc

1.6 Accreditation Details

Sl. No.	Cycle	Grade	CGPA	Year of Accreditation	Validity Period
1	1 <sup>st</sup> Cycle	B	2.49	2009	5 Yrs
2	2 <sup>nd</sup> Cycle	B	2.66	2015	5 Yrs
3	3 <sup>rd</sup> Cycle	-	-	-	-
4	4 <sup>th</sup> Cycle	-	-	-	-

1.7 Date of Establishment of IQAC:

10/04/2009

1.8 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 2014 –15 submitted to NAAC on 30/11/2015

ii. AQAR 2015 –16 submitted to NAAC on 19/10/2016

1.9 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 (MHRD, UGC, AICTE, COA & NCTE)	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
Type of Institution:	Co-education	<input checked="" type="checkbox"/>	Men	<input type="checkbox"/>
			Women	<input type="checkbox"/>
	Urban	<input type="checkbox"/>	Rural	<input checked="" type="checkbox"/>
			Tribal	<input type="checkbox"/>
Financial Status:	Grant -in -aid	<input type="checkbox"/>	UGC 2(f)	<input type="checkbox"/>
			UGC 12B	<input type="checkbox"/>
	Grant-in-aid + Self Financing	<input type="checkbox"/>	Totally Self-financing	<input checked="" type="checkbox"/>

### 1.10 Type of Faculty/Programme

Arts	<input checked="" type="checkbox"/>	Science	<input checked="" type="checkbox"/>	Commerce	<input checked="" type="checkbox"/>	LAW	<input type="checkbox"/>	PEI	<input type="checkbox"/>
TEI	<input checked="" type="checkbox"/>	Engineering	<input checked="" type="checkbox"/>	Health Science	<input type="checkbox"/>	Management	<input type="checkbox"/>		
Others (Specify)	Architecture & Humanities								

### 1.11 Name of the Affiliating University (*for the Colleges*)

Not Applicable

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

Autonomy by State/Central Govt. / University	<input type="checkbox"/>	
University with Potential for Excellence	<input type="checkbox"/>	UGC-CPE <input type="checkbox"/>
DST Star Scheme	<input type="checkbox"/>	UGC-CE <input type="checkbox"/>
UGC-Special Assistance Programme	<input type="checkbox"/>	DST-FIST <input type="checkbox"/>
UGC-Innovative PG programmes	<input type="checkbox"/>	Any other (Specify)
UGC-COP Programmes	<input type="checkbox"/>	Post Graduate Teaching Programme (M. Tech. 2 years duration) in Nano Science and Technology DST - Nano Mission

## 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
- 2.11 No. of meetings with various stakeholders: Total  Faculty   
No.  
Non-Teaching Staff  Students  Alumni  Others   
(Parents meeting)
- 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)  
No. of Seminars/Conferences/ Workshops/Symposia organized by the IQAC
- i) Total Nos.  International  National  State  Institution Level

ii) Themes:

- ‘Skill Up-gradation and training needs for University Teachers’ (National Level)
- Course on ‘Up-gradation of ISO9001:2008 to ISO9001:2015 version’ (Institute Level)
- “BEC – Coaching Programme for faculty members” in association with University of Cambridge (Institute Level)
- Faculty Development Programme on Teaching and Learning for the faculty having less than five years experience at PMIST. (Institute Level)

**2.14 Significant Activities and contributions made by IQAC**

- Reconstituted IQAC by including additional external members representing the Parents, Employers, Local Society, Alumni and Students based on UGC and NAAC guidelines.
- Organised one day course on “Conversion of ISO9001:2008 to ISO9001:2015 version” to familiarize the faculty members about the inclusion of Environmental and Energy audit process.
- Environmental Management Systems (EMS) was separated out from the University Quality Management Systems (UQMS) with a separate Management Representative (MR/ EMS) for the implementation of ISO 14000.
- Review of NAAC Assessment-criteria-related activities was incorporated in IQAC meeting.
- Uploaded data for the National Institution Ranking Framework (NIRF) for 2016-17.
- Conducted the Academic and Administrative Audit and Research Audit with an external three member committee, for enhancing the quality of University Systems.
- Jointly organised with the Office of the Dean Academics, a six day Faculty Development Programme on Teaching and Learning for the faculty members with less than five years experience at PMIST. Number of participants was 59.
- Also, jointly organised with the Office of the Dean Academics, a two day national level workshop on ‘Skill Up-gradation and Training Needs for University Teachers’. 41 faculties attended the workshop.

### 2.15 Plan of Action by IQAC/Outcome

The plan of action chalked out by the IQAC at the beginning quality enhancement and the outcomes of achievements of the year towards by the end of the year are :

S.No	Plan of Action	Action Taken
i.	To conduct workshops for the faculty members to improve the quality of Teaching Learning process	Four Faculty Development Programmes have been conducted during 2016-17.
ii.	To conduct an external audit to review / assess and suggest improvements in the academic process and systems of the University.	Two Academic and Administrative Audits have been conducted in Aug 2016 and Feb 2017.
iii.	To separate out EMS from QMS with the appointment of exclusive MR / EMS.	Exclusive Management Representative for Environmental Management System (EMS) has been appointed.

### 2.16 Whether the AQAR was placed in statutory body

Yes  No

Management  Syndicate  Any other body (IQAC)

### 2.17 Provide the details of the action taken

Suggestions by the members were incorporated in the AQAR 2016-17.

## Part – B

### Criterion – I

#### 1. 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	20	-	20	-
PG	18	-	18	5
UG	18	-	18	9
PG Diploma	1	-	1	-
Advanced Diploma	-	-	-	-
Diploma	4	-	4	-
Certificate	7	-	7	-
M. Phil	11	-	11	-
<b>Total</b>	<b>79</b>	<b>-</b>	<b>79</b>	<b>14</b>
Interdisciplinary	1 (M. Tech – Renewable Energy)	-	-	-
Innovative	1 (M. Tech- Nano)	-	-	-

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

ii. Pattern of programmes:

Pattern	Number of programmes
Semester	75
Trimester	-
Annual	20

**1.3 Feedback from stakeholders\* (On all aspects)**

Alumni  Parents  Employers  Students   
Mode of feedback: Online  Manual  Co-operating schools (for PEI)

*\*Detailed analysis of the feedback is given in the Annexure*

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

**Syllabus Revision / updating are as follows:**

UG Technical Programmes	100%
UG Science, Arts and Humanitie	80%
M. Phil Programmes	50%
PG Technical Programmes	33%

**Salient features:**

- Mini projects are to be continued as Main project. Hence, Mini and Main projects had been renamed as Project Phase I and Project Phase II respectively, for UG B. Tech Programmes. It is to help the students to take the project to a logical conclusion of even patenting.
- The present rule for completing a degree is  $n + (n - 1)$  where 'n' is minimum years of normal duration to complete the degree. This has been changed to  $n + 2 + 1^*$  (\*for exceptional cases) according to UGC regulation.
- Guidelines were framed for integrating online courses with curriculum and it was executed with effect from Regulations of 2015-16 onwards.

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

Nil

## Criterion – II

### 2. Teaching, Learning and Evaluation

2.1 Total No. of permanent faculty	Total	Asst. Professors	Associate Professors	Professors	Others
	145	123	12	10	-

2.2 2.2 No. of permanent faculty with Ph.D.	42
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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
	37	1	-	29	2	10	-	-	39	40

2.4 No. of Guest, Visiting faculty and Temporary faculty	-	55	48
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#### 2.5 Faculty participation in conferences and symposia:

Detail	No. of Faculty		
	International level	National level	State level
Attended Seminars/ Workshops	54	36	1
Presented papers	80	18	-
Performed as Resource Persons	2	8	3

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

- Extensive use of ICT and smart board are introduced.
- Industrial visits to enhance application of knowledge are arranged.
- Advanced learners are permitted to take up extra courses from the eighth semester courses so that they have more time for their project work.
- Advanced learners are encouraged also to publish papers to earn extra credit which will fetch Honours Degree.
- Online MOOC courses were introduced from first semester (2016-17) onwards.

2.7 Total No. of actual teaching days during this academic year 180

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

- Double valuation (valuation with audit scrutiny) is being followed.
- Students are provided opportunity to verify the photocopy of the answer scripts and to apply for revaluation if required.

2.9 No. of faculty members involved in curriculum member of Board of Study/Faculty/Curriculum Development workshop 89 93 52

2.10 Average percentage of attendance of students 87  
(for all programmes put together)

2.11 Course/Programme wise distribution of pass percentage:

Sl. No.	Branch	Appeared	Passed	Division of Pass (%)			Pass %
				Distinction	First Class	Second Class	
<b>A.</b>	<b>ARCHITECTURE AND ENGINEERING</b>						
<b>A1</b>	<b>UG Courses (B. Arch &amp; B. Tech)</b>						
1	B.Arch	58	35	37	63	0	60
2	Civil	129	95	21	73	6	74
3	CSE	48	36	17	78	6	75
4	ECE	73	67	24	60	16	92
5	EEE	36	30	23	70	7	83
6	Mech.	164	104	22	77	1	63
7	Aero	27	18	22	72	6	67
8	Biotech	41	36	22	64	14	88
9	IT	35	19	37	42	21	54
10	Chemical	11	10	20	60	20	91
<b>A2</b>	<b>PG Courses -M.Tech.</b>						
11	Computer Science and Engg.	2	2	0	100	0	100
12	Environmental Engg.	2	2	50	50	0	100

13	Software Engineering	1	1	100	0	0	100
14	Structural Engineering	6	6	17	83	0	100
15	Renewable Energy	2	2	100	0	0	100
16	Nano Technology	1	1	100	0	0	100
17	Wireless Communication Systems	2	2	0	100	0	100
<b>B</b>	<b>ARTS, HUMANITIES AND SCIENCES</b>						
<b>B1</b>	<b>UG Courses</b>						
18	B.Com.(Hons.)	2	2	0	100	0	100
19	B.Com. (Comp. Applications)	14	12	33	58	8	86
20	B.C.A.	38	24	38	58	4	63
21	B.Sc (A&M)	2	2	0	100	0	100
22	B.Ed. (Education)	7	7	86	14	0	100
<b>B2</b>	<b>PG Courses</b>						
23	M. Sc (Software Engg.)	29	23	43	57	0	79
24	M.Sc (Mathematics)	3	3	100	0	0	100
25	M.Sc. (Physics)	2	2	50	50	0	100
26	M.Sc, (Biotech)	1	1	100	0	0	100
27	M.B.A (Business Administration)	26	23	17	61	22	88
28	M.C.A (Computer Applications)	20	20	30	45	25	100
29	M.S.W (Social Work)	3	3	67	33	0	100
30	M.A (English)	1	1	0	100	0	100
31	M.A (Political Science)	5	5	40	60	0	100
<b>B3</b>	<b>M.Phil.</b>						
32	Chemistry	1	1	100	0	0	100
33	Mathematics	2	2	100	0	0	100
34	Education	1	1	100	0	0	100
35	Social Work	6	5	40	60	0	83
36	English	3	3	67	33	0	100
37	Management Studies	1	1	100	0	0	100
38	Commerce	1	1	0	100	0	100
<p>Note: Only 38 courses, wherein the students have appeared for final exams, have been incorporated.</p>							

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

- IQAC coordinates the review of the performance of departments presented by the School Deans and suggests for improvements.
- The outcomes of the Refresher / Faculty Development Programmes are being taken into consideration for developing syllabus further.
- The effectiveness of the remedial classes conducted for the slow learners is being evaluated in IQAC and suggestions are forwarded for enhancing their performance.

**2.13 Initiatives undertaken towards Faculty Development**

<b>Faculty / Staff Development Programmes</b>	<b>Number of faculty benefitted</b>
Refresher courses	35
UGC – Faculty Improvement Programme	13
HRD programmes	2
Orientation programmes	10
Faculty exchange programme	-
Staff training conducted by the university	128
Staff training conducted by other institutions	13
Summer / Winter schools, Workshops, etc.	33
Others (On- line Courses)	4

**2.14 Details of the 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	38	-	-	8
Technical Staff	44	-	-	14
Others (Logistics Support staff)	108	-	-	28
Total	190	-	-	50

## Criterion – III

### 3. Research, Consultancy and Extension

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

The following had been carried out by IQAC in collaboration with Dean Research Office.

- Orientation course was conducted for Ph.D scholars on 10.09.2016.
- A meeting to encourage inter-disciplinary projects was conducted on 07.11.2016.
- Projects' status was reviewed on 23.01.2017 & 07.02.2017 for their completion.

#### 3.2 Details regarding major projects

	Completed	Ongoing	Sanctioned	Submitted
Number	4	6	1	17
Outlay in Rs. Lakhs	70.57	153.03	4.15	944.85

#### 3.3 Details regarding minor projects

	Completed	Ongoing	Sanctioned	Submitted
Number	6	-	1	1
Outlay in Rs. Lakhs	0.6	-	0.5	1.4

#### 3.4 Details on research publications

	International	National
Peer Review Journals	169	16
Non-Peer Review Journals	15	8
On-line Journals	34	-
Conference proceedings	11	6

#### 3.5 Details on Impact factor of publications:

Range  Average  h-index  Nos. in SCOPUS

**3.6 Research funds sanctioned and received from various funding agencies, industry and other organisations**

Sl. No	Nature of the Project	Durati on Year	Name of the funding Agency	Total grant Sanctioned (Rs. in Lakhs)	Received (Rs. in Lakhs)
1.	<b>Major Projects:</b>				
	Bhuvan map and its use in asset mapping Phase-I (Thanjavur)	2016	ISRO, Government of India	2.52	2.52
	Bhuvan map and its use in asset mapping Phase-II (589 Panchayats in Thanjavur District)	2016	ISRO, Government of India	5.37	5.37
	Pneumatically operated Electronic Multipurpose Simulator (POEMS)	2016	Indian Air Force Station, Thanjavur	49.81	49.81
	Portable indoor training simulator (PITS)	2016	Indian Air Force Station, Thanjavur	12.87	12.87
	‘Periyar Community Radio Karthodu Kanitham – Phase-II’ (PCR-KK- Phase-II Mathematics Project’)	2017	Ministry of Science and Technology – DST, New Delhi	9.0	1.03
	Residential Training for Scheduled Tribe to Enhance their Basic knowledge on Science and Mathematics	2017	Vigyan Prasar (an autonomous organization under the DST, Govt. of India)	5.42	4.16
	Modular Toilet Construction (Village Poverty Reduction Council- Pillaiyar Patti)	2017	DRDA	4.87	4.87
2.	Minor Projects	No funded project is less than Rs. 2 lakhs			
3.	Interdisciplinary Projects	2017	PMIST	2.45	2.45

4.	Industry sponsored	2017	Shanthy Poultry Feeds Pvt. Ltd.,	3.21	3.21
5.	Projects sponsored by the University/ College	2017	PMIST	2.30	2.30
6.	<b>Students research projects (other than compulsory by the University)</b>				
	Formulation and characterization of <i>Andrographis paniculata</i> based first aid cream	2017	Tamil Nadu State Council for Science and Technology	0.1	0.1
	Blending of processed leather wastes with enzyme treated coir fibre to make cost effective stretchable fabrics	2017		0.1	0.1
	Production of ethanol using recycled paper wastes from educational institutions	2017		0.1	0.1
	Wound healing ointment from fish collagen incorporated with aloe vera	2017		0.1	0.1
	Isolation of bacillus subtiles (Nattokinase) for cardiac vascular disease	2017		0.1	0.1
	Industrial waste monitoring system using splunk (IWMS)	2017		0.05	0.05
7.	Any other(Specify)	-	-	-	-
	Total			90.41	81.18

**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   
 (Young Scientist Scheme)  
 DST-FIST  DPE  DBT

**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	-	-	-	-
Sponsoring agencies	Periyar Maniammai Institute of Science and Technology (PMIST)				

**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**   
 (Indian Air Force and Indian Army through POEMS project)

**3.15 Total budget for research for current year:**

From funding agency	Rs 20 Lakhs
From Management of University/College	Rs 15 Lakhs
Total	Rs 35 Lakhs

**3.16 No. of patents received this year**

Level	Status	Number
National	Applied	2
	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
3	-	-	-	3	-	-

**3.18 No. of faculty from the Institution who are Ph. D. Guides** Students registered under them **3.19 No. of Ph.D. awarded by faculty from the Institution** **3.20 No. of Research scholars receiving the Fellowships (Newly enrolled + existing ones)**JRF  SRF  Project Fellows  Any other (CSIR) **3.21 No. of students Participated in NSS events:**University level  State level National level  International level

**3.22 No. of students Participated in NCC events:**

University level	<input type="text" value="153"/> (Cumulative)	State level	<input type="text" value="32"/>
National level	<input type="text" value="2"/>	International level	<input type="text" value="1"/>

**3.23 No. of Awards won in NSS:**

University level	<input type="text" value="1"/>	State level	<input type="text" value="-"/>
National level	<input type="text" value="-"/>	International level	<input type="text" value="-"/>

**3.24 No. of Awards won in NCC:**

University level	<input type="text" value="-"/>	State level	<input type="text" value="2"/>
National level	<input type="text" value="-"/>	International level	<input type="text" value="-"/>

**3.25 No. of Extension activities organized**

University level	<input checked="" type="checkbox"/>	College Forum	<input type="text" value="-"/>
NCC	<input type="text" value="5"/>	NSS	<input type="text" value="35"/>
		Any other	<input type="text" value="-"/>

**3.26 Major Activities during the year in the sphere of extension activities and Institutional Social Responsibility**

- Through Periyar FM-Community Radio, a Tuberculosis awareness programme was organized for the general public.
- “Digital Financial Literacy Campaign was conducted for payers and payees.
- Awareness programme on ‘Digital Banking’ was carried out for 545 students and general public from nearby village.

## 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	116.02 acres	-	Management	116.02 acres
Class rooms	90	-		90
Laboratories	70	-		70
Seminar Halls	12	-		12
No. of important equipments purchased ( $\geq$ 1-0 Lakh) during the current year.	-	-		-
Value of the equipment purchased during the year (Rs. in Lakhs)	-	65.59		65.59

#### 4.2 Computerization of administration and library

Administration and library activities are computerized with PMIST developed Software BRAIN V2.15.

#### 4.3 Library services:

Details	Existing Up to 30.06.2016		Newly added as on 01.07.2016 to 30.06.2017		Total Cumulative value (Rs.)	
	No.	Value Rs.	No.	Value Rs.	No.	Value Rs.
Text Books	81658	1,26,05,718	164	20,736	81822	1,26,26,454
Reference Books	8950	620798	12	5996	8962	626794
e-Books	60000	*230000	-	-	-	*230000
Journals & Magazine	174	*933157 From 2007	147	*313129	147	*1246286
e-Journals (IEEE & ASCE)	Renewed- 162	*2460851	Renewed 170	*637323	170	*3098174

<u>Digital Database</u> 1.(J-Gate & ProQuest)	Renewed 2 database 7500+Journals	*280791 From 2016	Renewed-2 database 7500+ journals	*214000	7500+ journals	*494791
2.UGC – INFONET (Annual Review& MathSciNet)	500+ Journals	*540119 From 2009	NIL	NIL	NIL	*540119
CD	1622	162200	12	1200	1634	163400
Video	158	31600	17	3400	175	35000
Others (specify) (Membership)						
1.British Council	Renewed	From 2002 *55500	Nil	Nil	Nil	*55500
2. DELNET		From 2014	Renewed	*11500	1	*51000
3.Current Science Association	Life Member	*39500	Nil	Nil	Nil	*100000
		*100000				
a) Book value Cumulative		13420316	-	31332	-	<b>13451648</b>
b) Annual Subscription Renewal * Marked amount		4639918	-	1175952	-	<b>5815870</b>
<b>c) Total Expenditure</b>		<b>18060234</b>	<b>-</b>	<b>1207284</b>	<b>-</b>	<b>19267518</b>

#### 4.4 Technology up gradation (overall)

Total Computers		Computer Labs	Internet	Browsing Centres	Computer Centres	Office	Dept	Others
Existing	1001	23	All lab	1	794	46	119	42
Added	20	1	All lab	-	20	-	-	-
<b>Total</b>	<b>1021</b>	<b>24</b>	<b>All labs</b>	<b>1</b>	<b>814</b>	<b>46</b>	<b>119</b>	<b>42</b>

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

<b>S. No</b>	<b>Date</b>	<b>Programme Title</b>	<b>No of Student/ participants</b>
1	08-09-2016 & 09-09-2016, 22-09-2016 & 23-09-2016, 05-10-2016 & 06-10-2016, 15-10-2016 to 17-10-2016, 24-10-2016 to 26-10-2016	Teacher's Software Training Program (RMSA)	1650
2	09-09-2016	Importance of Java in Industrial aspects	50
3	12-10-2016 & 13-10-2016	Android Application Development	40
4	13-03-2017 to 12-04-2017	Municipal Software training Programme	1300

**4.6 Amount spent on maintenance in Lakhs:**

i). ICT	29.58
ii.) Campus Infrastructure and facilities	23.50
iii). Equipments	25.81
iv). Others	12.15
Total	91.04

## Criterion – V

### 5. Student Support and Progression

#### 5.1 Contribution of IQAC in enhancing awareness about Student Support Services

- Director/ Centre for Students and Administrative Services, Wardens, Students Counsellor and Director/ Centre for University and Industry Interaction were made as the members of University Quality Review Meeting (UQRM) to increase the base of Student Support Services.
- Also Parents, Stake holders and student members are included into IQAC, enhancing Student Support Services further.
- The UQRM and IQAC review the activities of the Student Support Services, and suggest improvements needed.
- It also ensures that the Election of office bearers for the student council is conducted every year to have elected representatives in the Students Support System.

#### 5.2 Efforts made by the institution for tracking the progression

- Centre for University Industry Interaction (CUII) arranges and monitors the students' placements through campus selection and students' self effort.
- It also tracks the students opted for higher studies, self employed and who had opted for change of their field to other domains.
- The number of students migrated for overseas assignments / studies are monitored with the help of Alumni Association of the University.

#### 5.3 (a) Total Number of students

Year	UG	PG	Ph. D.	Others (M.Phil)
2016 - 17	2552	387	224	47

(b) No. of students from outside the state

106

(c) No. of international students

3

No	%
1925	60

Men

No	%
1285	40

Women

Demand ratio

5:9

Dropout

9 %

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

S. No.	Programme
1.	The following interactive / awareness sessions for pre- final and final year students on GRE, TOFEL, IELTS etc. <ul style="list-style-type: none"> <li>Princeton academy, Trichy conducted on "Higher studies at abroad" on 14.10.2016.</li> <li>GATE FORUM, Trichy conducted an awareness programme on 27.1.2017.</li> <li>C Academy, Thanjavur conducted Awareness programme on 30.1.2017.</li> <li>ACE training academy, Hyderabad conducted an interactive programme on "How to face GATE exam" on 27.2.2017.</li> <li>About 500 students had attended each programme.</li> </ul>
2.	120 students had participated in the Aptitude test (NITAT '17) conducted by NIIT on 10.2.2017.
3.	T.I.M.E. Institution organized an awareness programme regarding Bank Exams on 28.07.2016, for 600 students.
4.	40 Students attended 6 Month Training Course / Coaching on Civil Service Examination organised by Kalaignar Karunanidhi Centre for Political Science, from Sep 2016 to Feb 2017.

No. of students beneficiaries

2660 (cumulatively in all programmes)

**5.5 No. of students qualified in these examinations**

NET	<input type="text" value="-"/>	SET/SLET	<input type="text" value="1"/>	GATE	<input type="text" value="6"/>	CAT	<input type="text" value="-"/>
IAS/IPS etc	<input type="text" value="-"/>	State PSC	<input type="text" value="-"/>	UPSC	<input type="text" value="-"/>	Others	<input type="text" value="-"/>

**5.6 Details of student counselling and Career Guidance**

- IDBI Federal Life Insurance Pvt. Ltd, Coimbatore (Erode Division) executives conducted induction program for 20 selected MBA final year students 22<sup>nd</sup> & 23<sup>rd</sup> November 2016.
- CMS IT Training Service (A division of CMS IT service Pvt. Ltd.) trained more than 200 students on 23/9/16.
- Employability Bridge on 13/10/16 addressed the final year students in the campus regarding the employment opportunity in the society and the expectations of the company from the new recruits (more than 600 students attended).

- iv. The alumnus Mr. Barani (Software Engineer-HCL) had exhorted 100 pre-final year students on Motivation on 28<sup>th</sup> Feb 2017.
- v. The following interactive / awareness sessions for pre- final and final year students on GRE, TOFEL, IELTS etc.
  - Princeton academy, Trichy conducted on "Higher studies at abroad" on 14.10.2016.
  - GATE FORUM, Trichy conducted an awareness programme on 27.1.2017.
  - C Academy, Thanjavur conducted Awareness programme on 30.1.2017.
  - ACE training academy, Hyderabad conducted an interactive on "How to face GATE exam" on 27.2.2017.

About 500 students had attended each programme.
- vi. 120 students had participated in the Aptitude test (NITAT '17) conducted by NIIT on 10.2.2017.
- vii. T.I.M.E. Institution organized an awareness programme regarding Bank Exams on 28.07.2016, for 600 students.

### 5.7 Details of campus placement

No. of students placed through			
On campus			Off campus
Number of Organizations Visited	Number of Students Participated	Number of Students Placed	Number of Students Placed
23	460	350	15

### 5.8 Details of gender sensitization programmes

- Four programmes on Gender Sensitization were arranged by the University Counsellor.
- Students Gender Champions were elected and they had attended Gender Sensitisation programmes. They in turn made the fellow students aware of the Gender issues. This is in line with the UGC guidelines.

### 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

Culturals: State/ University level  National level  International level

**5.10 Scholarships and Financial Support**

Detail	Number of students	Amount (Rs.)
Financial support from institution	144	49,49,000
Financial support from government	25	6,25,000
Financial support from other sources	01	70,000
Number of students who received International/ National recognitions	International - 01 National - 03	<ul style="list-style-type: none"> <li>• Korana Sponsored International Travel and accommodation Expenses.</li> <li>• National fellowship of Rs.48,000 was Sponsored by -Indian academy of Sciences - IITM Chennai</li> </ul>

**5.11 Student organised / initiatives**

Fairs: State/ University level  National level  International level

Exhibition: State/University level

**5.12 No. of social initiatives undertaken by the students**

**5.13 Major grievances of students (if any) redressed:**

## **Criterion – VI**

### **6. Governance, Leadership and Management**

#### **6.1 State the Vision and Mission of the institution**

##### Vision:

To be a University of global dynamism with excellence in knowledge and innovation ensuring social responsibility for creating an egalitarian society

##### Mission:

- UM1: Offering well balanced programmes with scholarly faculty and state-of-art facilities to impart high level of knowledge.
- UM2: Providing student - centered education and foster their growth in critical thinking, creativity, entrepreneurship, problem solving and collaborative work.
- UM3: Involving progressive and meaningful research with concern for sustainable development.
- UM4: Enabling the students to acquire the skills for global competencies.
- UM5: Inculcating Universal values, Self Respect, Gender Equality, Dignity and Ethics.

#### **6.2 Does the Institution has a management Information System**

Yes. - BRAIN V2.15 (Brilliant Resource for Academic Institution)

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

##### **6.3.1 Curriculum Development**

- Open Electives from Massive Open Online Courses (MOOC) was introduced. The credit thus earned was being integrated into the curriculum. This is applicable to Ph.D Course work also.
- To make the project more effective and meaningful, the mini and main projects are integrated into a single project with Phase-I and Phase-II.
- Topics on Vigilance and Anti corruption agencies/organizations such as Central Vigilance Commission, Central Bureau of Investigation, etc. associated with anti corruption activities are incorporated in the curriculum of Political Science Programme.

- Graduate attributes were developed also for the rest of the programmes other than B. Tech for which GAs' were incorporated in the previous year itself.

### **6.3.2 Teaching and Learning**

- Students are identified as Slow Learners, Medium Learners and Advanced Learners. Special remedial classes are arranged for the slow learners to catch up with the rest.
- Advanced Learners are given an option to take up 8<sup>th</sup> Semester subject in advance so that they get more time and credit that may lead to acquiring honours degree. They are also subjected to special skill development programmes.

### **6.3.3 Examination and Evaluation**

- Outcome Based Education (OBE) Scheme induced since 2015-16 onwards.
- CGPA grading system introduced as per UGC directive.

### **6.3.4 Research and Development**

- Three faculties have received Rs. 20,000/- each as one time cash award for publishing paper during 2016-17.
- Provision of Half Time Teaching Assistantship is continued for this year also.
- Also, the Provision of Seed money for pilot projects is continued.
- Research Board meeting was conducted during August 2016.

### **6.3.5 Library, ICT and physical infrastructure / instrumentation**

- Library is augmented with additional books of 176, worth Rs 26,732.
- 170 E -journals – value of Rs 6.36 Lakhs were renewed.
- 147 Journals and Magazines worth Rs. 3.13 Lakhs were renewed.
- J Gate and Proquest digital data bases (7500+) worth of Rs 2.14 Lakhs were added.
- Renewed DELNET membership for Rs. 11,500.

### 6.3.6 Human Resource Management

- The University has increased the maternity leave from 30 days to 90 days for Female Staff. Six weeks leave for miscarriage/ abortion has been newly introduced with effect from 01.02.2016, for the well being of women staff.
- Additional canteen facilities have been provided locally in Periyar Knowledge Centre (Central Library) Building.

### 6.3.7 Faculty and Staff recruitment

Recruitment drive of faculties had been extended up to NIT Calicut, IITM Chennai, IIT Hyderabad and NIT Allahabad for attracting good faculties

### 6.3.8 Industry Interaction / Collaboration

SNo	Comparison criteria	Year 2016-17
1	No. of students appeared	460
2	No. of placement offered	453
3	No. students placed	350
4	Percentage of students placed	76
5	Average package	Rs. 2 Lakhs per annum
6	Maximum package	Rs. 5.5 Lakhs per annum

### 6.3.9 Admission of Students

The procedure so far followed continued this year also

### 6.4 Welfare schemes for

Teaching & Non teaching	<b>Welfare Schemes:</b>  Employee Provident Fund, Gratuity, Employees Linked Insurance Scheme, Group LIC Scheme, Staff Safety Insurance Scheme are continued as per regulation.  The University has increased the maternity leave from 30days to 90days for Female Staff. • Six weeks leave for miscarriage/ abortion has been newly introduced with effect from 01.02.2016. for the well being of women staff.
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	<b>Staff Welfare Measures:</b> Employee ward Scholarship to the tune of 15% of Tuition fee is continued
Students	<b>A. Student safety Insurance Scheme</b> <b>B. Management Scholarship</b> Existing Management Scholarship are continued. In addition Merit Scholarship are induced.

**6.5 Total corpus fund generated**

5 Crores

**6.6 Whether annual financial audit has been done**

Yes

No

(Audit Report received in September 2016)

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

(Two External and one Internal Academic and Administrative Audits were conducted during Aug 2016 & Feb 2017.)

Sl. No.	Audit Type	External		Internal	
		Yes/No	Agency	Yes/No	Authority
1.	Academic & Administrative	Yes	DNV – GL Chennai (Aug 2016)	Yes	PMIST - UQMS
2.			BOM Constituted Committee with External Experts (Feb 2017)		

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

For UG Programmes

Yes

No

For PG Programmes

Yes

No

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

- Minimum percentage of attendance required for appearing examination was raised from 75 % to 80 % from 2015-16 onwards.
- Question paper setting by external expert and valuation are introduced from 2015-16 onwards.

**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**

- A meeting with local alumni was held on 27.11.2016 to plan for a department-wise alumni meet during 2017-18.
- First batch (1988 – 1992) alumni students were willing to celebrate silver Jubilee year of graduation. The meeting held on 28.04.2017 decided to work out the details.

**6.12 Activities and support from the Parent – Teacher Association**

- Semester wise Parent Teacher meetings continue to be held, by the departments.
- Parent Representative was inducted in to IQAC as a member for better interaction.

**6.13 Development programmes for support staff**

Skill and knowledge development programmes in Hardware, Software and DTP work are continued for supporting staff.

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

In addition to the water management, tree and bamboo plantation, waste management systems that had already been mentioned in 2015-16 report, the following were added during 2016-17.

- Normal bulbs were replaced with LED bulbs in the hostels, building and on the roads in the campus
- More number of trees (4250) were planted to enrich the greenery.
- 230 Tons of wastes were converted in to bio fuel.

## 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.

- Students participated in IAF's POEM (which has been subsequently patented) and ISRO-Bhuvan Asset Mapping Projects.
- Final year Aerospace Students were selected for designing a satellite under propulsion module in Dr. Abdul Kalam Educational Satellite Competition.
- Pneumatic launching tube mechanism was developed in collaboration with IAF.
- Students fabricated a model of jet flow tunnel.
- EEE students did a project on Electronic control circuit IGLA MISSILE system.
- PIMST project “Infrasound Birds Deter” was awarded best project by international society for Scientific Research and Development (ISSRD).
- The paper “CFD analysis of opposed fuel injection in CANCOMBUSTER of aircraft jet Engine” was placed second.

All the above enhanced the image of the University to the outside world.

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

Sl. No.	Plan of Action	Action taken
1.	To conduct at least one skill oriented programme (value added programme) for students in 2016-17	Conducted 14 value added courses
2.	To measure the attainment level of COs and POs for 2015-16, the related changes in teaching learning strategy to be incorporated	CA3 components have been reduced from 5 to 3.
3.	To encourage minimum one faculty development program in a year for each department.	Department wise FDPs were organised in May 2017 for six days.

4.	To encourage UG students to take up online courses in regular curriculum.	221 First year students have completed MOOC courses.
5.	To improve funds received for major project by 20%	Fund received was Rs.89.86 Lakhs (Rs.8.3 Lakhs for 2015-16).
6.	To improve funds received for minor project by 30%	Fund received was Rs.0.55 Lakhs.
7.	To have a stationary/store near women hostel	Facilities provided with effect from 28.09.2016
8.	To establish dedicated team for campus maintenance.	Established a dedicated team for maintenance under the Estate Officer.
9.	To increase number of students clearing competitive exams (GATE, CAT, SET, NET, ETC) by 10%	The increase is from 5 to 7 %
10.	To plan department wise Alumni meet	Shifted to 2017-18
11.	To conduct parent meeting every semester	Conducted 2 meetings.
12.	To conduct monthly meeting with industrialist to know the current usage of technologies.	Shifted to 2017-18.
13.	To attain ISO 14001-2015 certification by June 2017.	In progress
14.	To conduct half yearly Environmental review.	Yes. Reviewed during previous IQAC Meetings.

### 7.3 Give two Best Practices of the institution

- Extensive use of MOOC is introduced. Also EDMODO apps is being used extensively.
- Integration of minor and major Project into a single entity, renaming as project phase 1 and phase 2. This gives the students more time for the project.

### 7.4 Contribution to environmental awareness / protection

The PMIST environmental awareness/protection involve Solid waste Management, Recycling used water, educating the adverse effects of open defecation and improving the green coverage.

7.5 Whether environmental audit was conducted?

Yes

No

7.6 Any other relevant information the institution wishes to add.

Teaching faculties were exposed to industrial environment by visiting nearby industries

8. Plans of institution for next year

- Establishing Summer Research Fellowship for scholars.
- Conducting Coaching classes for competitive exams such as GATE, NET, TET, Civil Services with the help of professionals.
- Providing opportunities for the faculties to attend UGC sponsored seminar/symposiums/workshops.
- Faculty members will be encouraged to do Ph.D under Quality Improvement Programme (QIP) of AICTE / UGC / MHRD.



*P. JAYASUDHA*  
20.10.2017  
[P. JAYASUDHA  
COORDINATOR / IQAC]

*S. A. DHANARAJ*  
20/10/17  
[S. A. DHANARAJ  
REGISTRAR]

*S. Sundar Manoharan*  
20/17

(S. Sundar Manoharan)  
VICE CHANCELLOR

**Abbreviations:**

CAS	-	Career Advanced Scheme
CAT	-	Common Admission Test
CBCS	-	Choice Based Credit System
CE	-	Centre for Excellence
COP	-	Career Oriented Programme
CPE	-	College with Potential for Excellence
DPE	-	Department with Potential for Excellence
GATE	-	Graduate Aptitude Test
NET	-	National Eligibility Test
PEI	-	Physical Education Institution
SAP	-	Special Assistance Programme
SF	-	Self Financing
SLET	-	State Level Eligibility Test
TEI	-	Teacher Education Institution
UPE	-	University with Potential Excellence
UPSC	-	Union Public Service Commission

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## SCHOOL OF ARCHITECTURE AND PLANNING

### DEPARTMENT OF ARCHITECTURE

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### Feedback on Curricular aspects

(March – May 2017 quarter)

S.No.	Type of person	Feedback	Action taken
1	Students	<ul style="list-style-type: none"> <li>It is difficult to find the placement during practical training for two semesters.</li> <li>“Working Drawing”, a new course in the third year is very helpful for them during the practical training.</li> </ul>	<ul style="list-style-type: none"> <li>Feedback was discussed in the BoS and it is reduced to one semester for OBE batch</li> <li>Feedback was discussed in the BoS and added this course in the VI semester of the Curriculum &amp; syllabus 2014, 15,16,17</li> </ul>
2	External Academic experts	<ul style="list-style-type: none"> <li>More weightage should be given for core courses (within the permissible upper and lower limit)</li> </ul>	<ul style="list-style-type: none"> <li>It was considered during curriculum restructuring process and Credits for History of Architecture and Study Skills were reduced.</li> </ul>
3	Industry Experts	<ul style="list-style-type: none"> <li>It was felt that students undergoing practical training are lagging in software skills except the AutoCad which has been included in the curriculum. The other softwares can also be taught.</li> </ul>	<ul style="list-style-type: none"> <li>The other softwares are provided as value added courses.</li> </ul>
4	Alumni	<ul style="list-style-type: none"> <li>After completion of their course, they find difficulties for job placement in reputed firms, as the firms are taking students for practical training.</li> </ul>	<ul style="list-style-type: none"> <li>Feedback was given to Dean(Academic) and it is reduced to one semester for OBE batch</li> </ul>
5	Employer		
6	One Foreign academic	Yet to receive	Yet to receive from Dr.Rajesh,

	expert on curriculum and syllabus (As demanded by NAAC)		Singapore University of Technology and Design
7	One Indian academic expert on curriculum and syllabus (As demanded by NAAC)		Dr.Jinu Kitchley TCE, Madurai  Dr.Subbaian, NIT, Trichy

## SCHOOL OF ENGINEERING AND TECHNOLOGY

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### Department of Electronics and Communication Engineering

Feedback on Curricular aspects

(March – May 2017 quarter)

S.No.	Type of person	Feedback	Action taken	Remarks
1	Students	a. More choices in OE courses to be given	a. Feedback given to Dean(Academic)	Given during DAC
2	External Academic experts	a. More weightage should be given for core courses (within the permissible upper and lower limit) b. one or two credits may be given in the curriculum for value added programmes attended by the students and if the certificate is nationally or internationally recognized one c. If they attend three such value added programmes and earn three credits they be exempted from studying one three credit course	a. Will be considered during the next curriculum restructuring process. b. These feedbacks are communicated to Deans as they are to be discussed and approved by Hon'ble Vice Chancellor	Given during DAC and BoS conducted during June 2017.
3	Industry Experts	a.IoT course to be given	a.IoT is given as elective and the inputs given by the expert will be given to the students during the	

		a. Value added programmes in the field of automation to be provided by the University	selection. a. Value added programmes in automation is available and the students will be given information	
4	Alumni			Attended but have not given any feedback.
5	Employer	Nil	Nil	
6	One Foreign academic expert on curriculum and syllabus (As demanded by NAAC)	Yet to receive	Yet to receive	Dr. Mohd. Fadzli Mohd Salleh, Associate Professor, School of EEE, USM, Penang, Malaysia
7	One Indian academic expert on curriculum and syllabus (As demanded by NAAC)	<ul style="list-style-type: none"> <li>a. Add types of diodes and doping in semiconductors</li> <li>b. Additions in Electrical circuit analysis</li> <li>c. Rewrite the syllabus with more explanation in XEC 304</li> <li>d. Introduction to be added in some courses</li> <li>e. XUM 606 Unit I lengthy</li> </ul>	<ul style="list-style-type: none"> <li>a. Will be discussed with EEE and be introduced in 2018-19</li> <li>b. Already added</li> <li>c. The course teacher asked to do the detailing in course plan</li> <li>d. The input is given to the course teachers</li> <li>e. Sent the feedback to HoD/Civil</li> </ul>	Dr. M. Karuppanan, ECE Department, MNNIT, Allahabad, India

**Department of Aerospace Engineering**  
**Feedback on Curricular aspects**  
(March – May 2017 quarter)

S.No.	Type of person	Feedback	Action taken
1	Students and Alumni	<ol style="list-style-type: none"> <li>1. Production Technology, Aircraft Systems and Instruments and Theory of Vibrations has to be introduced as minor courses.</li> <li>2. Mechanics of Space Vehicle has to be moved from Professional Elective I and should be kept as mandatory paper.</li> <li>3. Syllabus of Engineering Thermodynamics has to be revised .</li> <li>4. Tutorial hour has to be included in Strength of Materials subject.</li> <li>5. Syllabus of Introduction to Aircraft and Aerospace Vehicles has to be revised.</li> <li>6. Syllabus of In-compressible Aerodynamics has to be revised.</li> <li>7. Syllabus of Fluid Mechanics and Machinery has to be revised.</li> <li>8. Tutorial hour has to be included in Mechanics of Machines.</li> <li>9. Syllabus of Air Transportation and Aircraft Maintenance has been revised.</li> </ol>	<ol style="list-style-type: none"> <li>1. XAS509 - Production Technology has been introduced as minor course (1 credit) in semester V.</li> <li>2. XAS606A – Aircraft Systems and Instruments has been removed from Professional Elective II and it has been changed into XAS609 as minor course (1 credit).</li> <li>3. XAS704B – Theory of Vibrations has been removed from Professional Elective III and it has been changed into XAS710 as minor course (1 credit).</li> <li>4. XAS505E-Mechanics of Space Vehicle has been moved from Professional Elective I to XAS602 in Semester VI as mandatory paper replacing Navigation Systems.</li> <li>5. Navigation systems have been moved to XAS505E in Professional Elective I.</li> <li>6. Syllabus of XAS302 – Engineering Thermodynamics has been revised (will be followed by 2016-2020 Batch)</li> <li>7. Lecture and tutorial hour for XAS303- Strength of Materials has been revised (will be followed by 2016-2020 Batch)</li> <li>8. Syllabus of XAS402 – Introduction to Aircraft and Aerospace Vehicles has been revised (will be followed by 2016-2020 Batch)</li> <li>9. Syllabus of XAS403 – In-compressible Aerodynamics has been revised (will be followed by 2016-2020 Batch)</li> <li>10. Syllabus of XAS404-Fluid Mechanics and Machinery</li> </ol>

			<p>has been revised(will be followed by 2016-2020 Batch)</p> <p>11. Lecture and tutorial hour for XAS503- Mechanics of Machines has been revised.</p> <p>12. Syllabus of XAS802F- Air Transportation and Aircraft Maintenance has been revised.</p> <p>13. Syllabus of XASOE2- Air Transportation and Aircraft Maintenance has been revised.</p>
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**Department of Biotechnology**  
**Feedback on Curricular aspects**  
(March – May 2017 quarter)

S.No.	Type of person	Feedback	Action taken	Remarks
1	Students	<p>a. More options for Professional elective courses to be given</p> <p>b. Syllabus of XBT 503 Recombinant DNA Technology, XBT 702 bioinformatics and Computational Biology have to be revised.</p>	<p>a. Feedback given to Dean(Academic)</p> <p>b. XBT 503 Recombinant DNA Technology, XBT 702 bioinformatics and Computational Biology has revised</p>	Given during DAC
2	External Academic experts	<p>a. Introducing Microbial Techniques, Plant Tissue culture Techniques, Operation and maintenance of HPLC, GC/MS and SEM as 1 credit Minor Courses</p> <p>b. XBT 303 Instrumental Methods of Analysis is suggested to move on sixth semester to achieve the best sequence.</p>	<p>a. Will be considered for framing of curriculum Regulation 2017</p> <p>b. These feedbacks are communicated to Deans as they are to be discussed and approved by Hon'ble Vice Chancellor</p>	Given during DAC
3	Industry Experts	<p>a. The subject XBT 304 Cell Biology and Microbiology has to be divided and to be given as separate subject for gaining depth knowledge in the core areas.</p>	<p>a. XBT 304 Cell Biology and Microbiology is divided into XBT 303 Microbiology and XBT 405 Cell Biology in curriculum of Regulation 2017</p>	

4	Alumni	a. XEM 202 Engineering Mechanics is not significance in Biotech curriculum.	a.XEM 202 Engineering Mechanics have been replaced with an engineering subjects XBT 202 Unit Operations in Chemical Engineering in curriculum of 2017 regulation.	Mr. K.Prabakaran Biocline
5	Employer	Nil	Nil	
6	One Foreign academic expert on curriculum and syllabus (As demanded by NAAC)	Yet to receive	Yet to receive	
7	One Indian academic expert on curriculum and syllabus (As demanded by NAAC)	Yet to receive	Yet to receive	

**Department of Mechanical Engineering**  
**Feedback on Curricular aspects**  
(March – May 2017 quarter)

S.No.	Type of person	Feedback	Action taken	Remarks
1	Students	a. Recent advances should be added in core papers b. Value added courses may be required for improving employment opportunities	a. Feedback given to Dean(Academic) b. Minor courses are introduced in 2017 curriculum.	Given during DAC
2	External Academic experts	a. Importance should be given for Industrial visit, Skill based training and industrial experimental study  b. Text books may be given to all students.  c. If they attend three such value added programmes and earn three credits they be exempted from	a. Will be considered during the next curriculum restructuring process. Given during DAC and BoS conducted during June 2017.  b. Will be considered in the coming semester.  c. Three value added programs are introduced in curriculum.	Dr.M.Udhayakumar, Professor, Department of Mechanical Engineering, National Institute of Technology, Tiruchirappalli.

		studying one three credit course		
3	Industry Experts	<p>a. Welding process, Non Destructive Testing and Robotics may be given as open elective</p> <p>b. Value added programmers in the field of Pneumatics and Hydraulics to be provided</p> <p>c. Introduction to nanotechnology course may be given</p>	<p>a. Non Destructive Testing is given as minor course. Robotics is given as elective to the students.</p> <p>b. Value added programme- Pneumatics &amp; Hydraulics is available and the students will be given information</p> <p>c. Introduction to nanotechnology course is added as open elective.</p>	<p>Dr.N.Rajasekaran. Deputy General Manager/BHEI,Trichy.</p> <p>D Eregamani Asst General Manager &amp; Head – TQM Carborundum universal Ltd., (Murugappa Group) Hosur - 635126</p> <p>Dr. T.Sriharsa, Deputy Manager BHEI-Trichy</p>
4	Alumni	<p>a. Computational Fluid Dynamics course is required</p> <p>b. Recent advances in automobile technology should be added</p>	<p>a. Will be considered during the next curriculum restructuring process. Given during DAC and BoS conducted during June 2017.</p> <p>b. Recent advances in automobile technology subject is added</p>	<p>Mr. V. Karthick Batch: 2012-2016.</p> <p>Mr.K.Vigneswaran. Batch:2013-2017</p>
5	Employer	Nil	Nil	
6	One Foreign academic expert on curriculum and syllabus (As demanded by NAAC)	Yet to receive	Yet to receive	Dr.Manoj Gupta. Professor, National University of Singapore
7	One Indian academic expert on curriculum and syllabus (As demanded by NAAC)	Yet to receive	Yet to receive	Dr. Udhay Chakkingal, Professor, Indian Institute of Technology, Madras.

**Department of Electrical and Electronics Engineering**  
**Feedback on Curricular aspects**  
(March – May 2017 quarter)

S.No.	Type of person	Feedback	Action taken	Remarks
1	Students	A. The content of the subject has to be in accordance with the total contact hours in a semester so that the syllabus completion is optimum.	A. The content of most of the subjects are revised such that important concepts are not removed and the entire syllabus can be completed within the allotted time in a semester	Comments received from students during Class Committee meeting
2	External Academic experts	A. Electrical Safety and Energy Auditing can be added in curriculum as per the industry demand.  B.Syllabus of Protection and Switchgear has to be revised.  C.Syllabus of Digital Logic Circuits has to be revised  D.Instead of Material Science, Linear Integrated Circuits subject should be included as core subject	A. XEE E43 - Electrical Safety, XEE E42 - Energy Management and Auditing has been included as minor course and profession electives within the curriculum (will be followed by 2017-2021 Batch).  B.XEE 602–Protection and Switchgear syllabus has been revised including Numerical relays and Gas insulated Circuit Breakers  C.In XEE604, Digital Logic Circuits syllabus has been revised including Equipment safety level”, “SIL certification” and “Application of gates by SAMA standards.  D.XEEE11 Linear Integrated Circuits is taken as the first subject in professional elective group -1	Accepted in BOS conducted on 31.05.2017
3	Industry Experts	A. Energy Management and Auditing has to be moved to Professional Elective so that EEE students can also study this subject in addition to open elective.  B. The order of the subjects Transmission and Distribution, Protection and Switchgear and Power System Analysis has to be	A.XEE E42 - Energy Management and Auditing has been included as minor course and profession electives within the curriculum  B. The Order of the subjects in the curriculum is rearranged as 1) Transmission and Distribution, 2) Power System Analysis, 3) Protection and Switch gear.  C. One credit paper on Industrial Lectures is	Accepted in BOS conducted on 31.05.2017

		changed. C.Industrial experts based seminars are needed regularly.	added to bring industrial people within the curriculum regularly.	
4	Alumni	A. New subjects are to be added in par with other national and international universities	A. The subjects E51- Electric Vehicles and Power Management, E53 - Smart Grids, E64 -Solar and Energy Storage System, E34 - Energy Efficient Buildings, E24-Wind Energy Conversion Systems have been added as latest subjects in par with other universities in professional group (will be followed by 2016-2020 Batch)	-
5	Employer	Nil	Nil	-
6	One Foreign academic expert on curriculum and syllabus (As demanded by NAAC)	Yet to receive	Yet to receive	Dr.N. Kanagaraj, Professor / Department of Electrical Sciences, King Khalid University, P.O.Box 394, Abha, Kingdom of Saudi Arabia Email:thirukanagaraj@yahoo.com +966532433176
7	One Indian academic expert on curriculum and syllabus (As demanded by NAAC)	Yet to receive	Yet to receive	Dr. Ashok S , Professor & Head , Department of EEE, NIT, Calicut.

**Department of Civil Engineering**  
**Feedback on Curricular aspects**  
(March – May 2017 quarter)

S.No.	Type of person	Feedback	Action taken	Remarks
1	Students	a. Irrigation Engineering course has to be included in the curriculum.	a. XCE602 Irrigation Engineering course is included in the curriculum.	Given during DAC
2	External Academic experts	a. More weightage should be given for core courses.	a. Will be considered during the next curriculum restructuring process.	Given during BoS conducted on 02.06.17
3	Industry Experts	a. Real Estate and Valuation can be provided as a separate course  b. Building Regulations and Approval Process can also be provided as a course.	a. Real Estate and Valuation course is introduced as minor course(1 credit)  b. Building Regulations and Approval Process course is also introduced as minor course (1 credit)	
4	Alumni	a. Water Resource Planning course can be considered as elective	a. XCE802C Water Resource Planning and Management is included in the professional elective Group-V	Received through mail.
5	Employer	Nil	Nil	
6	One Foreign academic expert on curriculum and syllabus (As demanded by NAAC)	Nil	Nil	
7	One Indian academic expert on curriculum and syllabus (As demanded by NAAC)	Mail has been sent. Yet to receive the reply.	Mail has been sent. Yet to receive the reply.	Dr.Dhanada Kanta Mishra, Principal, KMBB College of Engg &Technology, NH16,Daleiput, Khurdha, Orissa 752056.

## SCHOOL OF COMPUTING SCIENCE AND ENGINEERING

### Department of Computer Science and Engineering

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### Feedback on Curricular aspects

(March – May 2017 quarter)

S.No.	Type of person	Feedback	Action taken	Remarks
1	Students	Interchanging of some subjects	Carried out in Regulation 2017	
2	External Academic experts	1. Appreciated the syllabus and curriculum and the mapping on CO's with PO's and PEO's. 2.Suggested that the no. of credits in first semester may be increased 3.To include an introductory paper on problem solving techniques 5. Suggested that Programming with Python given in elective list may be removed and offered in first semester along with problem solving techniques 6. Enquired why no credit given for Environmental Science paper	Syllabus has been revised for few subjects and new courses introduced	Given during DAC and BoS conducted during June 2017.

3	Industry Experts	Suggested to include new electives	Two new electives introduced	
4	Alumni	To add Artificial Intelligence, Data warehouse and Data mining concepts as Main Subjects rather than electives. Introducing new Languages (Vocal) basically French, Spanish and German to be a part of our curriculum	Data warehouse and Data mining moved from electives list to Professional Core  Dean/Academic has taken action to introduce foreign languages	
5	One Foreign academic expert on curriculum and syllabus (As demanded by NAAC)	Yet to receive	Yet to receive	
6	One Indian academic expert on curriculum and syllabus (As demanded by NAAC)	Minor (1 credit) courses can be offered by a separate centre for skill development, so that the department regular curriculum may not be affected by the additional courses.  Suggested that students can carry out AICTE Hackathon projects.	Three one credit courses included in higher semesters	

**DEPARTMENT OF COMPUTER SCIENCE  
AND APPLICATIONS**

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**Feedback on Curricular aspects**  
(March – May 2017 quarter)

S.No.	Type of person	Feedback	Action taken	Remarks
1	Students	b. The present curriculum and syllabus fulfills the industrial requirements as on present situation.	b. NA	Given during DAC
2	External Academic experts	d. Minor courses – one credit courses may be included as value added programmes e. Some of the one credit courses have been discussed with the expert and they have chosen 3 courses each for BCA and MCA	a. Planned to include the following one-credit courses <b>BCA Programme</b> 1. Web Technology 2. Software Testing Tools and Practices 3. Android App Development- Mobile Technology <b>MCA Programme</b> 1. Virtualization Techniques 2. Cloud Storage Technology and Security 3. Advanced Database Technology	Given during DAC and BoS conducted
3	Industry Experts	c. Suggested some of the courses such as Bigdata/Hadoop, HPC, Software Defined Networks and they said that these are the green areas for future employment opportunities	b. Planned to introduce in the forthcoming years.	

4	Alumni	a. Suggested that the valued added course has to be included for better placement	a. Planned to include	
5	Employer	Nil	Nil	

### Department of Software Engineering

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S.No.	Type of person	Feedback	Action taken	Remarks
1	Students	<ul style="list-style-type: none"> <li>The present curriculum and syllabus fulfills the industrial requirements and employability</li> </ul>	c. NA	Given during DAC
2	External Academic experts	<p><b><u>M.Sc S/W Engg</u></b></p> <ul style="list-style-type: none"> <li>Suggested Data Analytic tool and Software Testing Tools and Practices as Minor courses</li> <li>Technical Paper may be include as one credit instead of skill based paper</li> </ul> <p><b><u>B.Sc Animation and Multimedia</u></b></p> <ul style="list-style-type: none"> <li>Missing Topic in curriculum like Stop Motion Animation and Digital Matte Painting will be include as one credit course</li> </ul>	<p><b><u>M.Sc S/W Engg</u></b></p> <ul style="list-style-type: none"> <li>Technical Paper like Game Design using Python Programming and Pygame, Data Analytics and Software Testing Tools and Practices included as minor courses for Regulation 2017 for the academic year 2017-18</li> </ul> <p><b><u>B.Sc Animation and Multimedia</u></b></p> <ul style="list-style-type: none"> <li>Drawing Skills, Digital Matte Painting and Stop Motion Animation included as minor</li> </ul>	Given during DAC and BoS conducted

			courses for Regulation 2017 for the academic year 2017-18	
3	Industry Experts	<p><b><u>M.Sc S/W Engg</u></b></p> <ul style="list-style-type: none"> <li>• Students can be motivated in developing App because industries require M.Sc students have depth knowledge in developing application compare to B.Tech students</li> <li>• Android related courses will be conduct as value added courses</li> <li>• Awareness of Python Programming may be given in the curriculum</li> </ul> <p><b><u>B.Sc Animation and Multimedia</u></b></p> <ul style="list-style-type: none"> <li>• Suggested to have Rotoscoping in syllabus</li> <li>• Stop Motion PRO software can be used for stop motion animation</li> </ul>	<p><b><u>M.Sc S/W Engg</u></b></p> <ul style="list-style-type: none"> <li>• Application development training will be give for the final year and pre final year students as value added courses</li> </ul> <p><b><u>B.Sc Animation and Multimedia</u></b></p> <ul style="list-style-type: none"> <li>• Rotoscoping topic will be included in Digital Matte Painting curriculum</li> <li>• Stop Motion PRO software will be used in Stop Motion Animation paper</li> </ul>	
4	Alumni	<ul style="list-style-type: none"> <li>• Introduction of Android and Cyber Security paper in curriculum is good</li> <li>• .Net Technologies C# and .Net and not go with VB.Net because it is outdated</li> <li>• Current Curriculum is very useful for our current job and career</li> <li>• Internship is a chance to learn new</li> </ul>	<ul style="list-style-type: none"> <li>• .Net Technologies including C# and ASP .Net in Regulation 2017</li> <li>• Communication skill training will be given for the final year students for three hours per week</li> </ul>	

		<p>things and have experience in industry</p> <ul style="list-style-type: none"> <li>• Need Communication skill for slow learners</li> </ul>		
5	International Academic Expert	<ul style="list-style-type: none"> <li>• Give more focus to J2ME concept in Mobile Application development paper to improve the employability</li> </ul>	Nil	
6	National Expert	<ul style="list-style-type: none"> <li>• Awareness of Python Programming may be given in the curriculum</li> </ul>	Python Programming and Pygame, included as minor courses	

# SCHOOL OF HUMANITIES , SCIENCES AND MANAGEMENT

## Department of Education

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## Feedback on Curricular aspects (March – May 2017 quarter)

S.No.	Type of person	Feedback	Action taken	Remarks
1	Students	<ul style="list-style-type: none"> <li>• To improve the course outcome for curriculum enhancement</li> <li>• To include Teacher Eligibility Test portions in the syllabus</li> <li>• To practice as per school based methodology in internship programme</li> </ul>	d. Feedback given to Dean(Academic)	Discussion during DAC
2	External Academic experts	<p>f. One of two course may be included related with ICT to make IT enabled Teachers.</p> <p>g. Curriculum prepared in live with NCTE &amp; TNTEU, Chennai.</p> <p>h. Content may be minimized</p>	<p>c. Will be considered the curriculum restructuring process.</p> <p>d. These feedbacks are communicated to Deans as they are to be discussed</p>	Given during DAC and BoS conducted during May 2017.
4	Alumni			Programme started in the year 2015. No Alumni

5	Employer	Nil	Nil	
7	One Indian academic expert on curriculum and syllabus (As demanded by NAAC)	<ul style="list-style-type: none"> <li>Syllabi framed with the help of Board of Studies External and Internal members as per (RIE syllabus)</li> <li>Members suggested in various aspects of syllabi to improve the quality of the course.</li> </ul>	<ul style="list-style-type: none"> <li>f. Already added</li> <li>g. The course teacher asked to do the detailing in course plan</li> <li>h. The input is given to the course teachers</li> </ul>	Dr.S.P.Raju Dean, Department of Education Regional Institute of Education Mysore

### Department of Management Studies

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## Feedback on Curricular aspects

(March – May 2017 quarter)

### FEEDBACK ON CURRICULUM AND SYLLABUS

The following are the feedback and suggestions given by the students and alumni on curriculum and syllabus.

- Students have given a favorable feedback (Excellent ) on the following points
  - Depth of the course content and project work
  - Coverage of course
  - Applicability/relevance to real life situations

- Subject like Training and Development, Employee Relationship Management, Compensation Management, Labour Law, Consumer Behaviour, Sales and Distribution Management, to be included for better placement as proposed by the Student and Alumni

### **ACTION TAKEN**

- YBAE77 – Compensation Management was included as HR Elective Subject
- YBAE76 - Employee Relationship Management was included as HR Elective Subject
- YBAE81- Consumer Behaviour was included as Marketing Elective Subject
- YBAE75- Training and Development was included as HR Elective Subject
- YBAE79- Sales and Distribution Management was included as Marketing Elective Subject
- YBAE78 – Labour Law was included as HR Elective Subject

## Department of Commerce

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## Feedback on Curricular aspects

(March – May 2017 quarter)

S.No.	Type of person	Feedback	Action taken	Remarks
1	Students	<p>c. Internship programmes to be introduced for B.Com</p> <p>d. Compel to take Particular subject as OE (Mathematics for Competitive Exam).</p>	<p>e. To be included in Regulation 2018.</p> <p>f. Discussed with Dean SHSM</p>	<p>a. Curriculum should be same for three year. So It will be considered from 2018.</p> <p>b. It is adopted as per our university norms and it will be used for facing competitive exam.</p>
2	External Academic experts	<p>i. <b>Company Law</b> paper shifted to V semester and instead of this the <b>Data Base Management System</b> paper shifted to IV semester.</p> <p>b. 70% for theory 30% for problem is to be assigned to XCG403 Fundamental of Financial Management to appear for UGC/SET.</p> <p>c. Latest edition of books to be included.</p> <p>d. Title of the course XCO404</p>	<p>e. Will be considered during the next curriculum restructuring process.</p> <p>f. It is a quantitative paper. Being UG they are not appear for NET/SET.</p> <p>g. Considered it.</p> <p>h. It is a basic paper. So there is</p>	<p>a, b &amp;c. Given during DAC and BoS conducted during May 2017.</p>

		Fundamentals of Financial Management is to be modified as Financial Management. e.To introduce more electives for B.Com (Hons) like Portfolio management, Project management, Risk management	no change in title.  i. Will be considered during the next curriculum restructuring process.	d.BOS members agreed to be as it is.  e. Given during DAC and BoS conducted during May 2017.
3	Industry Experts	d. Competitive exam classes to be conducted	c. To be included in Academic calendar	a. seek help from CUII
4	Alumni	a. For B.Com programme more weight to be given to core course than computer course. b. English Language –I and II to be combined into one. c. Company Law I and II are to be combined together d. Income Tax –I and Income Tax-II to be in different semester e. Optimization Techniques is not related to commerce	a. Already rectify this issues in Regulation 2015 b. Introduced XGE101 Speech Communication, XGE105 Communication Practical and XCC306 Career Development Skills c. Combined as Company Law from 2015 d. It is not possible  e. It is related to commerce	a, b and c Solved  d.Easy to study both courses in one semester because it is difficult to recollect all deductions, rebate, Sections in different semesters. e. one part of PERT and CPM is introduced as minor course from 2017.
5	Employer	Nil	Nil	