# **RMK College of Engineering and Technology**

RSM Nagar, Puduvoyal Gummidipoondi (TK),Thiruvallur (DT) -601206 www.rmkcet.ac.in, 04433303555

ISO9001:2015 Certified/Affiliated to Anna University Chennai Approved by AICTE, NewDelhi Accredited by NAAC with 'A' Grade



# Annual Quality Assurance Report (AQAR) 2017 – 18



# राष्ट्रीय मूल्यांकन एवं प्रत्यायन परिषद्

विश्वविद्यालय अनुदान आयोग का स्वायत्त संस्थान

NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL

An Autonomous Institution of the University Grants Commission Nagarbhavi, Bangalore - 560 072 India

# The Annual Quality Assurance Report (AQAR)

# Part – A

**1. Details of the Institution RMK COLLEGE OF ENGINEERING** 1.1 Name of the Institution AND TECHNOLOGY **RSM NAGAR** 1.2 Address Line 1 **PUDUVOYAL** Address Line 2 **GUMMIDIPOONDI TALUK,** City/Town THIRUVALLUR DISTRICT. TAMIL NADU State 601 206 Pin Code principal@rmkcet.ac.in Institution e-mail address 044-33303555 Contact Nos. Dr.T.RENGARAJA Name of the Head of the Institution: 044 - 3330 3630 Tel. No. with STD Code: 9444142611 Mobile:

Name of the IQAC Co-ordinator:

Mobile:

IQAC e-mail address:

1.3 NAAC Track ID (For ex. MHCOGN 18879)

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)

1.5 Website address:

Dr.G.DEVI

9940326350

iqac@rmkcet.ac.in

TNCOGN27617

EC (SC/28/A&A/1121)

www.rmkcet.ac.in

Web-link of the AQAR:

http://rmkcet.ac.in/iqac-activities.php

1.6 Accreditation Details

Sl. No.	Cycle	Grade	CGPA	Year of Accreditation	Validity Period
1	1 <sup>st</sup> Cycle	А	3.14	2017	2022

1.7 Date of Establishment of IQAC : DD/MM/YYYY

1.8 AQAR for the year (for example 2010-11)

01-03-2017

JUNE 2017 – MAY 2018

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

 i.
 AQAR \_\_\_\_\_\_NA\_\_\_\_ (DD/MM/YYYY)

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 Institu	ation Yes 🖌 No
Type of Institution Co-education	on Men Women
Urban	Rural 🗸 Tribal
Financial Status Grant-in-aid	UGC 2(f) UGC 12B
Grant-in-aid	d + 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)	
RMKCET-AQAR-2017-18	

ANNA UNIVERSITY, CHENNAI 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 UGC-CPE University with Potential for Excellence **DST Star Scheme** UGC-CE UGC-Special Assistance Programme DST-FIST -Any other (Specify) UGC-Innovative PG programmes **UGC-COP** Programmes **2. IQAC Composition and Activities** 12 2.1 No. of Teachers 1 2.2 No. of Administrative staff 4 2.3 No. of students 2.4 No. of Management representatives 1 2.5 No. of Alumni 1 2.6 No. of any other stakeholder and 1 community representatives 1 2.7 No. of Employers/ Industrialists RMKCET-AQAR-2017-18

2.8 No. of other External Experts -j					
2.9 Total No. of members 26					
2.10 No. of IQAC meetings held 5					
2.11 No. of meetings with various stakeholders: No. $05$ Faculty $\checkmark$					
Non-Teaching Staff Students - Alumni - 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.     40     International     -     National     18     State     10     Institution Level     12					
(ii) Themes Quality enhancement initiatives, Outcome Based Education, Accreditation & Assessment, Research Funding Schemes, Soft skill enrichment, strengthening on employability skill					
2.14 Significant Activities and contributions made by IQAC					
<ul> <li>Preparation of AQAR for the year 2017-18</li> <li>Action Plan was prepared for the Academic Activities.</li> <li>Targets were set for Training and Placement Cell, Entrepreneur Development Cell, Higher Education Cell and Research Cell.</li> <li>Six days FDP on "Instructional Design and delivery system" by NITTTR was organized Feedback Questionnaires for various parameters were reviewed and the suggestions received from Feedback were discussed in Management Review Meetings.</li> <li>Industry Institute Interaction was strengthened by invited the Industry People for</li> </ul>					

- Industry Institute Interaction was strengthened by invited the Industry People for Discussions and Special Lectures. Industry Institute Interaction cell was iniated in the Department of Mechanical Engineering.
- Skill Rack Tests were introduced to first year students from this year onwards.

### 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
Faculty Training	Six days FDP by NITTTR was conducted from 19/6/17 to 24/6/17 on "Instructional design and delivery system". Many FDPs were also attended by faculty members.
TARGET for Institutional Academic ResultsReceived 18 University Ranks by the students passed out in 2017-18.Discussed a the achievements of Academic Results in HODs meetings	
Placements	<ul> <li>CoEs are actively identifying the Industry needs to facilitate exposure of Latest Technology to the students of various branches.</li> <li>Group Discussion sessions and mock interviews were conducted</li> <li>For III year students, based on the AMCAT Score in the Verbal, Analytical and Logical Areas, students are grouped and given special training on the areas where they are lagging.</li> </ul>
Higher Education	<ul> <li>Training on MBA, CAT, GRE / TOEFL / IELTS Examinations was conducted on 10.01.2018, 11.07.2018 and 12.07.2018 for II year students.</li> <li>Training on Education in USA/UK/Germany/Netherland was given to III year and IV year students on 25.07.2017, 03.09.2017 and 06.01.2018.</li> <li>A programme on "Education fair" based on higher education were given to final year students conducted on 01.08.2018.</li> </ul>
Entrepreneurial Development	<ul> <li>EAC sponsored by DST was organised from 20.07.2017 to 22.07.2017</li> <li>E-BUDS Inter college feast was conducted on 17.03.2018</li> <li>LW100 &amp; LW101 were organised and 49 students completed stage I.</li> <li>EDC got approval from MSME to function as Incubator.</li> <li>NewGen IEDC proposal submitted</li> </ul>
Research and Development	250 Research Publications have been published
Quality initiatives -	Institution was awarded with A Grade by the NAAC Committee.
Accreditation	Awareness sessions were given by Principal and the NBA Coordinator to all the Faculty members on NBA Accreditation and Outcome based Education System
Library Upgradations	<ul> <li>IET Digital Library(2017)</li> <li>ISO -JTC(2017)</li> <li>NDL (Enrolment for National Digital Library (2017)</li> <li>ELSEVIER(Science Direct)- Subscription renewed</li> <li>Access Engineering (McGraw hill – Ebooks)</li> </ul>
Feedback from all parameters	All Feedbacks were collected as per the schedule. The suggestions given in the feedback were discussed in the IQAC meeting held on 04-04-18
ISO Audit	Audit was held as scheduled

Academic Calendar of the year2017-18 is attached in Annexure I						
2.16 Whether the AQAR was placed in statutory body	Yes V No					
Management Syndicate	Any other body					

Provide the details of the action taken

The AQAR was presented in the Management Review meeting and was approved

# Part – B

# **Criterion – I**

# **<u>1. Curricular Aspects</u>**

Level of the Programme	Number of existing Programmes	existing programmes added self-		Number of value added / Career Oriented programmes
PhD	-	-	-	-
PG	-	-	-	-
UG	04	-	04	-
PG Diploma	-	-	-	-
Advanced Diploma	-	-	-	-
Diploma	-	-	-	-
Certificate	-	-	-	-
Others	-	-	-	49
Total	04	-	04	49
Interdisciplinary				
Innovative				

1.2 (i) Flexibility of the Curriculum: CBCS/Core/Elective option / Open options
 CBCS: I Year (2017 Regulation)
 Core: II, III and IV Year (2013 Regulation)

(ii) Pattern of programmes:			
	Pattern	Number of programmes	
	Semester	All UG Programmes are of Semester pattern	
	Trimester	-	
	Annual	-	
		_	
1.3 Feedback from stakeholders A (On all aspects)	Alumni 🗸	Parents 🖌 Employers 🖌 Students	✓
Mode of feedback :	Online	Manual Co-operating schools (for PEI)	

Analysis of the feedback is attached in the Annexure II

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

Being an affiliated institution, revision or updation is done by university.

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

Industry - Institute Interaction Cell (Mechanical Dept.)

# **Criterion – II**

# 2. Teaching, Learning and Evaluation

### 2.1 Total No. of permanent faculty

Total	Asst. Professors	Associate Professors	Professors	Others	
109	73	24	12	0	

#### 2.2 No. of permanent faculty with Ph.D.: 22

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

Asst. Professors		Asso Profe	ciate ssors	Professors		Others		Total	
R	V	R	V	R	V	R	V	R	V
12	0	1	0	0	0	4	0	17	0

#### 2.4 No. of Guest and Visiting faculty and Temporary faculty

Guest Faculty	Visiting Faculty	Temporary faculty		
4	12	4		

2.5 Faculty participation in conferences and symposia:

No. of Faculty	International level	National level	State level	
Attended Seminars/ Workshops	-	92	107	
Presented papers	121	30	-	
Resource Persons	-	-	11	

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

The Faculty members are continuously motivated and encouraged to adopt innovative approaches in the classroom. The lecture sessions are supported with modern electronic teaching gadgets. The innovative class room teaching methodology involves the following:

- Case Studies
- Mini Projects
- Field visit
- Role Play
- Code Challenge
- Google Classroom
- Mind Mapping
- Flipped classroom
- Tech Talk
- Technical Crossword
- Google Classroom

2.7 Total No. of actual teaching days during this academic year: 156

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

- The Institution strictly follows the guidelines given by the university.
- University is the sole authority for implementation of reforms in examination and evaluation process. The Institution adopts all the methods of evaluation as formulated by the Anna University, Chennai.
- The Institution has structured an Exam Cell which coordinates the conduct and evaluation of internal and external examinations.
- The institution also introduced Online Test and students are instructed to attend Online Test of Multiple Choice Questions circulated to their mail id. The students take up their test within specified time.

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

#### NIL

#### 2.10 Average percentage of attendance of students: 94.64

#### 2.11 Course/Programme wise distribution of pass percentage:

Title of the	Total no. of		Division			
Programme	students appeared	Distinction %	I %	П %	III %	Pass %
CSE	120	4.16	75.84	7.5	-	87.5
ECE	198	11.61	69.69	13.13	-	94.44
EEE	70	5.71	70	8.57	-	84.28
MECH	140	5	70.72	11.42	-	87.14

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

- 1. Ensure enhancement and coordination among various activities of the institution and institutionalize all good practices.
- 2. Encourage the departments to prepare departmental annual report by summating the information/data provided towards AQAR
- 3. Encourage departments to conduct seminars/conferences
- 4. Conduct of Academic audit in the departments
- 5. Monitor the conduct of internal assessment test, result analysis and the follow up action.
- 6. Monitor all curricular activities conducted by various department/committees

Faculty / Staff Development Programmes	Number of faculty benefitted
Refresher courses	21
UGC – Faculty Improvement Programme	63
HRD programmes	17
Orientation programmes	52
Faculty exchange programme	-
Staff training conducted by the university	13
Staff training conducted by other institutions	26
Summer / Winter schools, Workshops, etc.	89
Others (Seminars and Industrial Training)	66

#### 2.13 Initiatives undertaken towards faculty development

#### 2.14 Details of Administrative and Technical staff

Category	Number of	Number of	Number of	Number of
	Permanent	Vacant	permanent positions	positions filled
	Employees	Positions	filled during the Year	temporarily
Administrative Staff	20	NIL	2	NIL

<b>Technical Staff</b>	17	NIL	4	NIL

# **Criterion – III**

## 3. Research, Consultancy and Extension

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

- The college has a research promotion cell. The departments of CSE, ECE, EEE, MECH and • S&H were encouraged to publish more articles and take young research scholars under their guidance and supervision. This has considerably fostered a research culture among the members of these faculties.
- Encouraged research proposals from faculty members for submission to nodal funding • agencies such as University Grants Commission (henceforward known as UGC)

#### 3.2 Details regarding major projects

	Completed	Ongoing	Sanctioned	Submitted
Number	-	3	-	5
Outlay in Rs. Lakhs	-	30.38	-	-

#### 3.3 Details regarding minor projects

	Completed	Ongoing	Sanctioned	Submitted
Number	5	-	5	9
Outlay in Rs. Lakhs	0.47700	-	0.47700	-

#### 3.4 Details on research publications

	International	National	Others
Peer Review Journals	75	-	-
Non-Peer Review Journals	-	-	-
e-Journals	-	-	-
Conference proceedings	126	24	-

3.5 Details on Impact factor of publications:

0.3 to 5.8

Average 1.566 h-index

2

Nos. in SCOPUS

17

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

Nature of the Project	Duration Year	Name of the funding Agency	Total grant sanctioned	Received
Major projects	2015-2018	2015-2018 ISRO,SAC, Ahmedabad		1298000
Minor Projects	2017-2018	TNSCST	34300	34300
Interdisciplinary Projects	-	-	-	-
Industry sponsored	2017-2018 Mitsubishi India Pvt.Ltd.		13400	13400
Projects sponsored by the University/ College	2017-2018 TNSCST		14000	14000
Students research projects (other than compulsory by the University)	-	-	-	-
Any other(Specify)			-	-
Total	-	-	1359700	1359700

1359700

3.7 No. of books published	d i) With ISBN No.	6 Chapters	in Edited Books 30
	ii) Without ISBN No.		
3.8 No. of University Dep	artments receiving fund	s from	
	UGC-SAP	CAS _	DST-FIST -
	DPE _		DBT Scheme/funds -
3.9 For colleges	Autonomy _	CPE _	DBT Star Scheme
	INSPIRE _	CE _	Any Other (specify)
RMKCET-AQAR-2017-18	}		

3.10 Revenue generated through consultancy

18500

3.11 No. of conferences	Level	International	National	State	University	College
organized by the	Number	-	4	-	-	-
Institution			IOTE			
	Sponsoring	-	ISTE	-	-	-
	agencies		Self			
3.12 No. of faculty served as experts, chairpersons or resource persons       9         3.13 No. of collaborations       International       -       National       1       Any other       -         3.14 No. of linkages created during this year       1       1       1       1       1						
3.15 Total budget for research for current year in lakhs :						
From Funding agency 1359700 From Management of University/College 50000					0	
Total	1400700					

3.16 No. of patents received this year

1409700

Type of Patent		Number
National	Applied	2
Inational	Granted	-
T ( ) 1	Applied	-
International	Granted	-
Commercialised	Applied	1
Commerciansed	Granted	-

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

Tota	1 International	National	State	University	Dist	College
27	-	27	-	-	-	-

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

9	
62	

4

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 -
3.21 No. of students Participated in NSS events:	
University level	State level 500
National level -	International level _
3.22 No. of students participated in NCC events:	
University level	State level -
National level	International level _
3.23 No. of Awards won in NSS:	
University level	State level -
National level	International level _
3.24 No. of Awards won in NCC:	
University level -	State level -
National level	International level _
3.25 No. of Extension activities organized	
University forum - College forum 4	
NCC - NSS -	Any other 19

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

- Projects through science club
- Mini Project Expo-Department wise
- Project development through hackathon
- Seed ball distribution
- Tree Planting
- Blood donation Camp
- First Aid Awareness Programme

# **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	23.2 acres	-	Management	23.2 acres
Class rooms	48	-	-do-	48
Laboratories	55	-	-do-	55
Seminar Halls	5	-	-do-	5
No. of important equipments purchased ( $\geq$ 1-0 lakh) during the current year.	68	-	-do-	68
Value of the equipment purchased during the year (Rs. in Lakhs)	5,86,57,584	-	-do-	5,86,57,584
Others	-	-	-	-

4.2 Computerization of administration and library

The following computerization facilities are available in the campus.

- OPAC (Online Public Access Catalogue) facility.
- Electronic Resource Management Package for E-Journals.
- Automation of the Library Automated Book Circulation
- Intranet campus operation for OPAC through the Library Software AutoLib Software systems
- Issue of Barcode Identity Card to the students for ease of access in Library
- Lib Software is used for automated report generations for the following
  - ✓ User entry
  - ✓ Transaction history
  - ✓ Individual library user history
  - ✓ Automated resource usage history
  - ✓ Online Public Access Cataloguing (OPAC)
  - ✓ Usage history
  - ✓ Stock availability
- Admission, university exam forms, student name lists, identity cards, leaving certificates, exam admit cards, exam question papers, results. Computers are also used for correspondence, accounting, pay bills, taxation.

# 4.3 Library services:

	Existing		Newly	added	Total		
	No.	Value	No.	Value	No.	Value	
Text Books	22158	92,86,162	1083	5.41,092	23241	08 27 254	
Reference Books	22138	92,80,102	1085	5.41,092	23241	98,27,254	
e-Books	543	2,15,953	725	2,27,171	1268	4,43,124	
Journals	54	1,26,280	54	1,28,710	108	2,54,990	
e-Journals	658	20,38,626	275	5,81,542	933	26,20,168	
Digital Database	12	-	6	-	18	-	
CD & Video	1579	-	70	-	1649	-	
Others (specify)	24	27,082	29	33,250	53	60,332	

## 4.4 Technology up gradation (overall)

	Total Computers	Computer Labs	Internet	Browsin g Centres	Computer Centres	Office	Depart- ments	Others
Existing	606	5	145Mbps	-	-	6	32	55
Added	-	-	50 Mbps	-	-	-	-	-
Total	606	5	195 Mbps	-	-	6	32	55

4.5 Computer, Internet access, training to teachers and students and any other programme for technology

upgradation (Networking, e-Governance etc.)

- Department of Mechanical Engineering conducted One day workshop on "TQM Tools And Techniques" for executives, at Isusi Susira International [P] Limited on 03.06.2017
- Department of Mechanical Engineering organized one day national level Workshop on "Tools and Techniques of Total Quality Management", on 10.07.2017
- Department of Mechanical Engineering organized one day SAE sponsored National Level workshop on "Automotive Engine Dismantling and Assembly workshop" in association with Goodwin Motors for other college students on 31.07.2017.
- Department of Mechanical Engineering organized IIPE sponsored one day national level workshop on "3D Printing Technology" in association with Institute of Industrial Design, on 10.08.2017.
- Department of Mechanical Engineering organized Mechanical Engineering Association sponsored one day workshop on "Skill Development Programme on MS Office for Non-Teaching faculty" on 12.12.2017.

#### 4.6 Amount spent on maintenance in lakhs :

i) ICT	9,08,122
ii) Campus Infrastructure and facilities	9,68,157
iii) Equipments	11,63,457
iv) Others	55,06,778
Total :	85,46,514

# **Criterion – V**

# 5. Student Support and Progression

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

The Institution has well defined procedures for collecting the feedback from all its stakeholders. The Feedback taken from the company executives who come to recruit the students on the performance of the past students as well as from Parents-Teachers meeting are utilized to minimize the skill gap and conduct special technical sessions to improve the effective placement rate.

A special meeting of HODs along with placement committee members is being convened by the Principal before the commencement of placement preparation. Placement cell works closely with industry and participates in industry interaction programs to gather this information. Final decisions taken in the meetings are implemented to improve the performance and quality of the institution. The institute regularly interacts with the Alumni to benchmark best practices and implement them wherever necessary.

Higher Education Cell of our college provides the guidelines and arranges coaching classes to the students to proceed with their competitive exams. Online materials, solved question bank with answer keys and important website addresses are also provided to them. Besides this, our central library provides question banks and books for all competitive exams.

Alumni members are also inducted into Department Advisory Committee (DAC) that helps in taking strategic decision for bridging the gap between academic and industry.

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

The meticulous evaluation system of the institution identifies the slow learners (with risk of failure) from the cumulative assessment of the semester. Special care is being provided to those students in the form additional lecture/doubt clarification classes and study material.

Faculty mentors assigned with 20 students identifies student difficulties in academic performance. The observed challenges among slow learners are effectively handled and met with to entrust improvement in consultation with HOD.

Students are provided with special counselling sessions to address the issues related to heterogeneous socio-economic background, cultural and linguistic differences and also the issues arising out of urban/semi urban and rural background.

The institution encourages parents to come and discuss with college authorities and help them to make their ward achieve academic excellence.

The institution creates awareness among the students about their future prospects through various cells like Placement, Higher Education, Entrepreneurship Development and

Career Guidance. Based on the students' choice, the department directs the students to participate in the training program relevant to their choice of career path.

The experts from various industries/ institutions/ professional bodies in specific domain are invited as resource persons to deliver lecture and help the students to focus on their target. The students are made industry ready by giving industry-oriented training in line with curriculum through the established COE's and MoU's.

5.3 (a) Total Number of students	UG	PG		Pł	n. D.	0	thers
	1959	-			-		-
(b) No. of students outside the state 104							
(c) No. of international students Nil							
No         %           Men         1236         63         Women         723         37							
Last Year				Т	his Yea	r	
General SC ST OBC Physic Challe		General	SC	ST	OBC	Physically Challenged	Total
129 39 2 301	471	145	32	1	267	-	445

Demand ratio: 1:1 Dropout %: 1.34%

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

Additional classes on soft skills, personality development, aptitude, and communication skills are conducted regularly by our experienced and expert trainers, by allotting hours in the regular class time table.

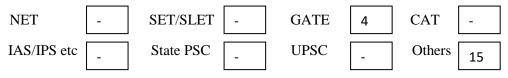
Successful alumni in the competitive examinations are invited for guest lecture to share the methodology adopted in facing exams.

Testing students in the technical and aptitude through comprehension test help us to enable students appear for recruitment and competitive examinations like GATE, CAT, GRE, and GMAT

No. of students' beneficiaries



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



#### 5.6 Details of student counselling and career guidance

- ➤ A counsellor/mentor is available for every 20 students who monitors the students throughout the entire programme and gives academic and career counselling whenever necessary.
- The Placement Cell every year organizes the Career Guidance Programme through experts from different field to guide the students to choose the right career prospects and frame their development plans.

No. of students benefitted

112	

#### 5.7 Details of campus placement

	On campus		Off Campus
Number of Organizations Visited	Number of Students Participated	Number of Students Placed	Number of Students Placed
190	292	223	28

#### 5.8 Details of gender sensitization programmes

**Smt G V Shobha** MA BL, Senior Advocate, the chief guest for International Women's Day celebration at our college on 16<sup>th</sup>March 2018 addressed the female faculty members and girl students on the topic of fighting for the rights of women and motivate them to face present challenges in our society.

#### **5.9 Students Activities**

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

State/ University level	172	National level	212	International level	44
No. of students participa	ted in cul	ltural events			
RMKCET-AQAR-2017-18					

State/ University level 14	National level	International level	
5.9.2No. of medals /awards won by stSports:State/ University level26	tudents in Sports, Games National level 21	[	3
Cultural: State/ University level -	National level -		-

#### 5.10 Scholarships and Financial Support

	Number of students	Amount
Financial support from institution	32	1,60,000
Financial support from government	323	61,10,135
Financial support from other sources	-	-
Number of students who received International/ National recognitions	-	-

### 5.11 Student organised / initiatives

5.12 No.	. of social initiatives und	ertaken b	y the students	4		
Exhibition	a: State/ University level	-	National level	-	International level	-
Fairs	: State/ University level	-	National level	1	International level	-

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

# **Criterion – VI**

# 6. Governance, Leadership and Management

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

#### Vision:

To be knowledge hub of providing quality technical education and promoting research for building up of our nation and its contribution for the betterment of humanity.

Mission:

- To make the best use of state-of-the-art infrastructure to ensure quality technical education.
- To develop industrial collaborations to promote innovation and research capabilities.
- To inculcate values and ethics to serve humanity

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

The Institution ensures a system of participative management whereby information flow and decision making processes are systematised and channelled through all key constituents of the College. The Head of the Institution ensures the collection of information through the following means:

- Student management system
- Faculty management system
- On line feedback from the students
- Class Committee meetings
- Faculty meetings Report
- Parent meet Report
- ✤ Alumni meet Report
- ✤ Interaction with recruiters and academicians
- Internal and external audits
- Management Review Reports (QMS)
- Report from regulatory bodies like AICTE, Anna University, etc.
- Academic Planner
- Institutional Budget & Planning
- Faculty Appraisal Reports

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

### 6.3.1 Curriculum Development

The college is affiliated to Anna University, Chennai and follows the curriculum and syllabi prescribed by the University. However, the compliances of the curriculum to meet the graduate attribute of the program is analyzed and the gaps are identified to attain the program outcomes. The identified gaps are bridged by the following learning components in all the programs.

- Industrial visits
- Internship/In plant training
- Value added courses
- Training programmes
- Mini-Projects
- Assignments to solve real time problems
- Guest lectures
- Seminar
- Workshop
- 6.3.2 Teaching and Learning

## **Teaching:**

- Following Outcome Based Education (OBE) approach.
- Proper planning through Academic Calendar and Course delivery plan for each course.
- Using Innovative teaching methodologies for teaching engineering concepts
- Demonstrations/Simulations using modern tools like Matlab, NS2, PSPICE to explain the principles and concepts.
- Using ICT tools such as Google classrooms, Wiki spaces, On-line tutorials, On-line tests and development of App to help in quick learning process.
- Use of teaching aids like OHP and LCD Projector in addition to Conventional lecture method.
- Mentoring system to motivate the students
- Corrective actions based on feedback from students

### Learning:

- Project based learning to stimulate research appetite among students
- Placement training and campus connect programmes to learn soft skills
- Conduct of British English Language Certification courses
- Periodic Academic audit to ensure the quality of Teaching Learning Process
- NPTEL Certification courses by students and faculty
- Knowledge enhancement and skills development of faculty and students through workshops, seminars, internships and certification courses
- Additional classes for slow learners
- Guest lecturers in the emerging field by experts from Industries, Research Organizations and Educational Institutions to enable Faculty and students to learn new technologies.

## 6.3.3 Examination and Evaluation

### **Examination:**

- The subject coordinator prepares the question bank with different cognitive level of toughness with appropriate Bloom's Taxonomy.
- Questions are framed in such way that
  - One third of the questions is direct and can be answered by all students.
  - One third of the questions require application knowledge to answer.
  - Remaining one third of the questions require critical thinking to answer.
- Question bank is submitted to HOD for approval after subject coordinator scrutiny.
- The questions are selected from the Question bank automatically using the "SMART PICK" software by exam cell.
- Internal assessments are conducted as per the schedule in academic calendar.
- The internal examination system has (i) Unit Tests and (ii) Internal Assessment Tests.
- Unit tests are conducted with completion of first and third unit and IATs will be conducted with completion of two units of the course to evaluate the students' performance.
- Model exam is conducted with entire syllabus which predominantly supports the final end semester success of our students.

### **Evaluation:**

- Subject handling Faculty evaluate answer scripts
- Evaluated answer scripts are distributed to students
- Marks are entered in the Campus Performance Tracker (CPT) software for reference and analysis.
- Head of the department will initiate further actions to improve the performance of failed students such as special coaching classes, conduct of retest etc.
- Marks scored by students will be communicated to parents through SMS

## 6.3.4 Research and Development

- Each department comprises a Research Cell coordinated by Department research cell coordinator.
- Research groups among Faculty are formed based on their research specialization to carry out research activities
- Every faculty member is encouraged to complete Ph.D.
- Faculty members are encouraged for Filing of Patents.
- Organizing Workshops for students and Faculty to update technical knowledge and skills.
- Faculty are encouraged to take up research projects.
- Faculty Publish their research findings in peer reviewed journal with impact factor.
- Publication of Books and Book Chapters.
- Participation in National/International Seminar and Conference
- Sponsorship and On duty for participating in National/International Seminar and Conferences

6.3.5 Library, ICT and physical infrastructure / instrumentation

• The College Library and Information Centre have resources facilitating the Students with the latest Technology in accordance to the International Standards.

- The College Library Contains 22,489 Volumes of books with 4,988 titles and 1612 CDs. The Library also subscribes to 543 E-Books, 54 National Journals, 663 International Journals, 30Magazines and 11 newspapers. To add to the wealth of options, RMKCET also has institutional membership in the Libraries of Anna University, British Council, DELNET (Developing Library Network, New Delhi), IEI and IETE.
- Offline access to NPTEL and SWAYAM courseware for students
- Facility to online courses including COURSERA and EDX.
- The Library Services are automated through the Standard Library Software package called "Autolib 5.2 version". The Circulation System is fully Computerised and all the documents are bar-coded.
- The computer centre with centralized AC is spread over an area of 1848 square feet with 606 systems of which three of them are servers with a configuration of 24 and 16 GB RAM and 30 Apple iMAC systems. All other systems have 2GB RAM or4GB RAM or 8GB RAM with 500 GB hard disc capacity, which are fully networked and have the latest software. The centre also has 51 printers and a 140KVA UPS with 30 Minutes backup.
- Separate hostels are provided for boys and girls. Boys Hostel has 100 rooms and can accommodate about 300 students and the Girls hostel has 20 rooms, which can accommodate about 70 students. The hostel rooms are spacious, adequately ventilated, well maintained and furnished with necessary accessories. The hostel also has a separate gymnasium for boys and girls. Beauty parlour for the girls and air-conditioned saloon for the boys are available. A general store for provisions required by the students is also available.
- There are four dining halls covering an area of about 200 sq.m for accommodating large number of students at a time. Healthy and nutritious food is served.
- Separate sick rooms for both boys and girls are available.
- To facilitate withdrawal of money, our college has Indian Overseas Bank ATM in the college premise itself.
- ICT based tool Campus Performance Tracker (CPT) to monitor Student records, attendance and internal marks is available.

#### 6.3.6 Human Resource Management

- Quality, productivity, profitability, customer satisfaction and the image of an Institution depends largely on training, coordination and motivation of its Faculty and supporting staff.
- The College ensures that personnel are competent on the basis of appropriate education, training, skills and experience.
- Also all employees are expected to work in an environment stipulated by the service rules of the college.
- Feedback is sought from the students in the middle of every semester and appropriate corrective action such as skill advancement, counseling by HOD are initiated to improve the performance of the faculty.
- Self-appraisal for the faculty at the end of the academic year.
- The college maintains appropriate records of qualification, training, skill and experience of all it staff members.
- The following are the processes of the human resource management.
  - Staff Selection & Recruitment
  - Staff Training & Development
  - ✤ Staff Appraisal

#### 6.3.7 Faculty and Staff recruitment

Staff Recruitment process is centralized for our group of institutions. The management recruit employees as detailed below:

- The Heads of various departments will communicate to the Principal, about the required number of faculty with the needed skill set.
- The number of vacancies in different cadres shall be communicated by the Principal to the management for approval.
- Vacancies shall be advertised in leading English newspapers.
- Selection will be made on merit based on qualification, experience, performance in written test and personal interview.
- Pay for the selected candidates shall be fixed by the Selection Committee as per the AICTE norms.
- Higher Pay Packages for exceptionally meritorious and well experienced candidates will be fixed by the Selection Committee subject to the approval of the Chairman of the Trust.
- Promotions are based on the vacancy and merit only.

- A Committee constituted especially by the Chairman of the Trust will consider the cases of such promotions and obtain the approval of the Principal and the Chairman of the Trust.
- During the selection process the candidates are informed about the staff welfare schemes such as EPF, Gratuity, salaried On Duty, Earned Leave etc,

6.3.8 Industry Interaction / Collaboration

#### Mou's Have Been Signed With 23 Reputed Industries

- Soliton Technologies Pvt. Ltd.
- Infosys Campus Connect Ltd.
- S P Robotics Work Pvt. Ltd.
- Mitsubishi Electric India Pvt. Ltd.
- The British Council
- The Princeton Review, India
- Cambridge Esol, University Of Cambridge, Uk
- University Of Upper Austria, Austria
- Excel Industries Ltd
- Nutech Cnc Pvt. Ltd.
- Metagarage
- Virtusa Polaris Pvt. Ltd.
- Inautix Technologies Ltd.
- Johnson Controls India Pvt. Ltd.
- Poseidon Group Of Company
- Nittan Indiatech Pvt. Ltd.
- Kpit Technologies Ltd.
- Sunlite Software Solutions
- Hitachi Solutions
- Computer Science Corporation
- Parametric Technology Pvt Ltd
- Musorri State University
- Metamorphosis

# Entrepreneur Development Cell (EDC) is functioning for enhancing the industryinstitute relationship.

- The cell invites experienced academicians, leading professionals with extensive corporate experience and entrepreneurs to address the students and thereby facilitate practical learning.
- Conducting awareness programmes on entrepreneurship skills and engineering and technological fields.
- Collaborating with the industry for R & D Projects.

# Students are regularly arranged for Industrial Visits and Inplant Training to update industrial standards

- BSNL
- Dhoordakshan Kendra (DD)
- All India Radio (AIR)
- National Archialogical Research Laboratory (NARL)
- Sansbound etc.,

### **Faculty Memberships in Professional Bodies**

- IEEE
- ISTE
- IE
- ISRD

Periodical Invited Talk by Industry experts are arranged for the students. Direct communication between the experts and the students is encouraged by having adjunct faculty to facilitate the outperforming students to do real time projects and to participate in various project contests.

6.3.9 Admission of Students

- Admission of students is done according to the rules and regulation of the Government of Tamil Nadu and AICTE norms.
- Under Government quota, the students are selected for various courses through single window counselling conducted by AnnaUniversity based on their cutoff Marks in HSC.
- Under Management quota, the students are selected for various courses through entrance conducted by Consortium of self financing Engineering colleges and their class XII Scores.

S.no	Department	Students Intake
1	Computer Science Engineering	120
2	Electrical and Electronics Engineering	60
3	Electronics and Communication Engineering	180
4	Mechanical Engineering	120

6.4 Welfare schemes for

#### Welfare schemes available for teaching and nonteaching staff:

- Fees concession is provided for wards of teaching and non-teaching faculty in RMK group of Institutions.
- Gratuity.
- EPF to all employees.
- Promotion and increments.
- 60 days vacation per year 20 days during winter and 40 days during summer.
- Each faculty shall avail 12 days of Casual Leave (CL) in an academic year and 3 days Earned leave (EL).
- Special casual leave for a period of 5 to 15 working days for special occasions such as employee's wedding.
- Maternity leave is provided for women employees.
- In campus quarters for Faculty.
- Hostel accommodation for single occupant.
- Medical leave is provided for the faculty members.
- The Institute provides transportation, breakfast, lunch and refreshment every day to all the teaching and non-teaching staff.
- The faculty members, who attend workshops / seminars, are provided sponsorship and on duty.
- Sponsorship for paper publication and Patent application.
- TA/DA also provided for attending workshops / seminars, conferences, etc.

## Measures taken by the Institution for attracting and retaining eminent faculty

- Salary as per 6th Pay Commission
- Higher starting salary for deserving candidates.
- Gratuity
- EPF/Pension schemes
- Free Transport and Food Facility for all the faculties

## Welfare schemes for Students:

- The institution is working towards ensuring social justice through the various students' welfare schemes.
- The induction programme clearly presents the welfare schemes available to the students.
- The following welfare schemes are made available for the students.

• Providing Institutional scholarships and financial assistance for economically weak students with good academic track

• Providing state and central government scholarships. About 39% of students apply and get the State and Central Government Scholarships under various scholarship schemes and the amount is directly credited into their bank accounts.

Providing medical facility

✤ Providing financial support for participation in conferences, paper presentations in

other institutions

- Funding for innovative in-house projects
- Supporting facilities for getting educational loan
- ✤ Academic tutor mentorship
- Career guidance and campus placement
- Providing special coaching from GATE Forum

6.5 Total corpus fund generated	NIL		
6.6 Whether annual financial audit h	nas been done	✓ Yes	No

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	Academic Audit Coordinator	
Administrative	Yes	Certified Charted Accountant	Yes	Academic Audit Coordinator	

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

For UG Programmes Yes 🖌 No

For PG Programmes	- NA

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

- Duration of Conducting Semester Examination has been reduced from 45 days to 32 days.
- Questions in higher cognitive levels such as real time application / case studies are given in Part-C category to stimulate higher order thinking skills of students.
- A symbol is printed in answer scripts and striking of empty space and blank pages after completion of exam by students are introduced from May/June 2018 examination onwards to avoid malpractice.
- Appointment of Special Squad team and surprise visits of Zonal officier and Zonal coordinator to Engineering colleges during Examinations.

- Instructions given to college to maintain examination registers and proforma for various administrative processes and tracking process.
- University representatives will be appointed to administer the examination process.

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

Apart from setting rules and regulations for academic process, the University provides freewill to the institution in the following:

- Conduct of skill development programs for both Faculty and students
- Internships to students
- Rules and regulations of affiliated colleges
- Dress code and discipline

6.11 Activities and support from the Alumni Association

- Alumni Meet is conducted twice in every year for alumni members to provide an opportunity to cherish their Alma mater and to develop good rapport with the college and also strengthen the relationship of the alumni with the faculty Members and the pursuing students.
- Alumni association supports in grooming the students with current and emerging trends in their field of specialization.
- Active participation of the alumni in Department Advisory Committee (DAC).
- Alumni delivers guest lectures / motivational talks to nurture the young people with proper guidance, counsel and update with novel trends in technology and job market to have role readiness attitude.
- Help the Training and placement cell by arranging contacts for recruitment drive.
- Assistance in providing internships & placements
- Help in networking with industries
- Assistance in providing suggestions for restructuring the curriculum and teaching learning process.

- Support the students to know the opening of job avenues abroad and for pursuing higher studies
- Support in conducting mock Interview for final year students
- Help in arranging industry personnel for guest lectures
- They make generous contribution for the development of the college and students
- Arrange Industrial visit to students

6.12 Activities and support from the Parent – Teacher Association

The counselor intimates the progress of the students to the parents regularly. The absenteeism of the students to regular classes is intimated daily to the parents by the class advisor over phone. The performance of the students in the internal/university examinations is communicated to the parents through SMS. Parents are invited to discuss the performance of the students if required. Necessary steps are taken for the individual students improvement jointly by the teachers and parents. Parents feedback is also collected and their perspectives on the needs and demands of their wards are consolidated and addressed. Constructive suggestions from parents through parents meeting have enabled the administration to understand their aspirations and better functioning of the college

6.13 Development programmes for support staff

- Organizing development programs within the college for supporting the faculty to improve their skills.
- Granting permission to attend development programs organized by other institutions.
- Support to meet their travelling and registration expenses in attending the seminars, workshops, Conferences etc.
- Providing special leaves and on duty to pursue their higher studies.

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

We have a green environment with numerous trees and plants planted in the campus. The College has been taking many steps to make the environment eco-friendly. The initiatives taken by the college to make the campus eco-friendly are:

- Energy conservation
- ✤ Use of renewable energy
- Water harvesting
- Efforts for Carbon neutrality
- Plantation
- ✤ Hazardous waste management
- ✤ e-waste management

# **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.

The following initiatives were taken to enhance knowledge, skills and employability:

- Academic Review and Performance Evaluation of students
- One to one counselling sessions
- Interdisciplinary research work and projects
- Motivational programs for developing entrepreneurial skills
- Online course material has been prepared and made accessible to students encompassing complete syllabus
- The model of active, interactive and self-learning is encouraged among students
- Discussion sessions with experts of industry and academia
- Internships for the students and they are encouraged to do the final year project in the internship.
- Project based learning
- SkillRack- a programming platform is used for sharpening the programming skills of the students
- Soft skills trainings are periodically given to mould the students with good personality for their profession
- Participation in competitions organized by Government and professional societies

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

PROPOSED PLAN OF ACTION	ACTION TAKEN			
Faculty Training	Planned to organise a six days FDP by NITTTR on "Teaching Methodologies" to enhance teaching methods. Encouraged faculty members to participate in technical FDPs in Departmental levels.			
TARGET for Institutional Academic Results	All the department Targets were discussed in the IQAC meeting in the beginning of the year			
Placements	To increase the placement performance, many placement related activities has been proposed.			
Higher Education	To increase the students progressing to higher education, many activities have been planned.			
Entrepreneurial Development	It was proposed to organise Entrepreneurship Awareness camp , Intercollege EDC contest and LW100 & LW101. A Proposal is given for Business Incubator and NewGen IEDC			
Research and Development	To encourage faculty members to publish more research papers in reputed journals and to submit quality research project proposals.			
Quality initiatives -	Applied for NAAC Accreditation			
Accreditation	Proposed to apply for NBA Accreditation.			
Library Upgradations	Applied for subscription of new e- Resources.			
	Feedback from students about course instructors to be received after the completion of first internal assessment test			
	Students and parents about the facilities provided by the institution to be received in the second week of March			
Feedback from all parameters	Alumini feedback to be received in the month of November			
<b>^</b>	Employers 'feedback at the end of Academic year			
	Feedback on EDC, R&D, TPO & HEC to be received in the $2^{nd}$ week of march every year.			
ISO Audit	Internal and External Audit was scheduled in October 2017			

7.3 Give two Best Practices of the institution

The best practices followed by the institute are:

# 1. TITLE: MENTORING SYSTEM

# 1. Goal:

To improve the students' overall performance.

2. The context:

To facilitate teaching, learning and research capabilities of students.

3. The practices:

1. All mentors maintain counseling file containing the detailed information as well as all records of their wards.

2. Details of academic and attendance are communicated to parents timely. Hence, parents are also involved in the progress of their wards.

3. Mentor regularly meets all the students to improve their academics performances.

4. Problems Encountered:

1. Few students are not sharing their personal problems with Faculty.

2. Some Parents do not report to college when called for.

5. Resources Required:

Software to automatically send message to parents when the data base (CPT) is updated

6. Evidence and Success:

Improvement in internal and university examination results as well as in the overall attitude of the students.

Notes (Optional):

# 2. Title: STUDENT'S T FORUM

Goal:

• To conduct technical seminars, workshops and extra courses as per the current industry need.

• To develop personality, communication skill, awareness about different types of entrance exams, interview and skill to qualify various competitive exams

• To develop awareness about sports and physical fitness.

• To organize various activities like programming contest, technical quiz, debate competition, personality contest etc.

• To organize events like project competition, paper presentations etc.

• To develop awareness about participation in different events held at state, national and international level.

The Context:

• It is platform for students to participate actively in the activities conducted by students' associations

• Each department of the college has its own students' association

• Students get opportunity to work as volunteer, Chairman/president, Vice President, Joint Secretary, treasurer, Ladies representatives and Executive members.

The Practice:

• After formation of association, the activities are planned in the beginning of each semester

• While planning, suggestions from students and faculty members are shared and implemented

• For every activity, a team is formed with faculty and students as members. The team is responsible for conducting the activities in each academic year.

• Students associations of every department are planning and conducting technical activities and non-technical activities every year.

## Evidence of success:

• The Students who are participating in activities are appreciated with certification and prize. Notices have been circulated through college about conduction of activities so that students can take active part in activities.

• Students are actively participating in different activities. It makes a positive improvement in students like personality development, communication skills, management skills, programming skills etc

• As students and faculty work together, it builds team spirit among students. It also helps faculty by sharing innovative ideas from students.

Problems Encountered and Resources required:

• Some Students be indecisive to take part in activities because of lack of confidence and daring

• To make all the students participate in all activities that are challenging.

7.4 Contribution to environmental awareness / protection

Our Institution promotes societies like NSS and YRC to create awareness among students and to sensitise students on environmental issues and to motivate them to promote ecological justice and sustainable development. Through these societies the students are exposed to various service orientation camps like Blood Donation Camp, Arrest Global Warming – Tree Plantation camp. The Institution , on a regular basis, makes a thorough environmental assessment of the campus and implements healthy ecological practices in water and energy conservation and waste management. Some of the eco initiatives of the campus include:

- Clean And Green Campus
- ✤ Surface Storage For Rain Water
- Rain Water Harvesting
- Sewage Treatment Plant
- Organic Composit Pit
- Solid Waste Management
- Reverse Osmosis Plant

7.5 Whether environmental audit was conducted?

Yes 🖌 No

7.6 Any other relevant information the institution wishes to add.

Strengths:

- Experienced, dedicated and highly qualified faculty members with diverse research interests
- Well-equipped labs for effective learning
- Students winning several external awards in recognition of their projects
- Periodic research interventions like International and National Conferences and workshops on varied topics
- Excellent academic performance with positive progression
- Value added courses during summer/winter vacation
- Eco-friendly and amicable working atmosphere
- Good interaction with professional bodies
- Extracurricular activities for personality development of students

Weaknesses:

- This is a Bilingual area and number students who are economically backward and have learnt in different states under different syllabi, take time to come into the groove.
- Research funding is hard to come by, but the management step-in to set right the difficulties

# **Opportunity:**

- We have signed number of MOUs with many reputed organizations and Centres of Excellence which is an additional attraction to the parents.
- Study of foreign languages, particularly of European and other Asian countries are made available.
- Absolute discipline maintained in the campus gives lots of comfort to the parents to choose our college as they are also rest assured that their wards will come out successful in education and placement, and overall life skills and discipline.
- When degree and job is assured, parents make a beeline to admit their wards $\varpi$  here.

# Threats:

- The fast moving industry needs more and more of sharp and innovative executives in the field of Engineering and their expectations from their recruits are very high. Though we are able to meet their expectations to a larger extent, we have to, however, work harder and smarter to present them with the best minds meriting their expectations which at times is insatiable.
- Obtaining research project funding, patents and intellectual property right<sub>m</sub> is another important aspect to be addressed to

# 8. Plans of institution for next year

PLAN OF ACTION for the YEAR 2018-19						
Faculty Training	<ul> <li>Faculty training on mentoring the students has been planned as it plays a vital role in developing the teaching skill of a faculty apart from technical training programs.</li> <li>FDP on Course outcomes and CO –PO mapping and attainment evaluation have been scheduled on 28-6-18 and 29-6-18. Apart from this many FDPs have been scheduled at the department level.</li> </ul>					
Academic Results	Targets were set for academic results and number of university ranks by all departments					
Placements	<ul> <li>To improve the students 'placement percentage</li> <li>Exposure in recent technologies through CoEs has been planned.</li> <li>Identifying the Industry needs to facilitate exposure of current Industrial trends to the students.</li> <li>More focus to be given for GDs and Presentation activities in Communication Skills Laboratory.</li> </ul>					
Higher Education	<ul> <li>To increase the students progressing to higher education the following programs have been planned.</li> <li>Training on MBA, CAT, GRE / TOEFL / IELTS Examinations for II year students.</li> <li>Training on Education in USA/UK/Germany/Netherland to III year and IV year students</li> <li>A programme on "Education fair" based on higher education to final year students</li> </ul>					
Entrepreneurial Development	<ul> <li>To increase the Entrepreneurial culture among students, the following programs have been planned.</li> <li>&gt; .Intercollege EDC contest</li> <li>&gt; EDII, Govt. of TN approved E-Learning (Learnwise course) on Entrepreneurship development to be organised for second and Third year students</li> <li>&gt; Startup initiative – Making students to apply</li> <li>&gt; Project development through Business Incubator</li> <li>&gt; GATE Awareness program to be organised</li> <li>&gt; To submit proposal again for NewGen IEDC</li> </ul>					

Feedback from all parameters	Feedback for the year 2017-18 has been received from different parameters and the suggestions given were reviewed in the IQAC meeting held on 31-7-18 and Feedback Schedule for the year 2018- 19 has been prepared and communicated.
Industry Institute Interaction	To increase employability and Entrepreneurial culture, many industry institute interaction activities like seminars, guest lectures with Industry people have been planned at the department level. To create cell industry-Institute interaction
Research and Development	<ul> <li>Preparing to apply for Research Grants to Funding Agencies</li> <li>Encouraging faculty members to publish quality research papers reputed journals</li> <li>To send highly commendable Eco friendly projects to various funding agencies</li> </ul>
Value Added Courses	Employability related value added courses are to be given more thrust through centre of Excellence
NBA Audit and Academic Audit	Preparedness for NBA Audit is planned .As a part of preparedness Academic Audit is scheduled in the first week of August 2018.
ISO Audit	Internal Audit is scheduled in the last week of September and External Audit is scheduled in the second week of October 2018. Risk and Opportunity Assessments and mitigation plans in all processes were done in the beginning of the year as a part of preventive action.

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Name Dr. G. Devi

Signature of the Coordinator, IQAC

Name Dr. T. Rengaraja

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Signature of the Chairperson, IQAC

Dr. T RENGARAJA, M.E., Ph.D., MISTE PRINCIPAL R.M.K. COLLEGE OF ENGINEERING AND TECHNOLOGY PUDUVOYAL, GUMMIDIPOONDI TALUK - 601 206

# ANNEXURE I

# Feedback



R.M.K. COLLEGE OF ENGINEERING AND TECHNOLOGY RSM NAGAR, PUDUVOYAL - 601 206



#### FEED BACK SYSTEM

#### Introduction

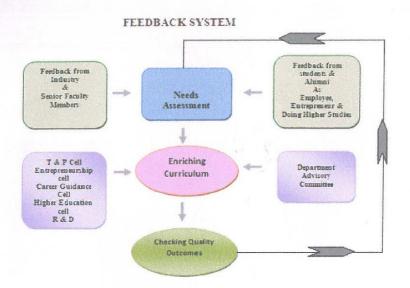
The teaching-learning system followed by any educational institution needs continuous refinement. To capacitate this process of continuous refinement, our institution adopts a feedback system that takes suggestions from stakeholders of each programme. Students are encouraged to respond to the feedback form as honest as they can and in a timely manner. The mechanism is designed in such a way that flexibility, anonymity, confidentiality, transparency etc. are maintained to the great extent. Feedback is an important tool to understand the expectations for our students. Hence, the institute treats this as an area of improvement.

#### Feedback Process:

Our institution follows a well-defined and formal feedback system implemented at different levels. The feedback from students regarding the quality of teaching shall be collected, twice in every semester (mid semester and end semester). Teaching index value is calculated by the system for each teacher. The results are made available to teachers, advisors of each class, the Heads of Departments and Principal. Student feedback regarding the teaching-learning process is also collected from students during class committee meetings.

Our college lays constant insistence on enriching the curriculum to equip students with the knowledge and skill necessary for the same. To make this possible, the institution shall regularly gather opinions regarding industry skills that are of highest demands, directly from industry personnel. Department level committees along with subject group committees choose the content beyond syllabus that needs to be delivered to the students, based on the collected viewpoints from the meetings with industry experts.

Employer feedback is collected to gather information about the key strengths and weaknesses of students that they have recruited from this college. Employer feedback is a key component in deciding skills the students lack expertise in. The course delivery is modified to alleviate these shortcomings for the forthcoming batches of students. Furthermore, feedback from recruiters shall be collected by Placement Unit. This information shall be used to organize placement training programmes which make it comfortable for students to secure jobs.



## SCHEDULE FOR getting FEEDBACK

TITLE	SCHEDULE
FEEDBACK FROM STUDENTS - ABOUT COURSE INSTRUCTORS	AFTER THE COMPLETION OF FIRST INTERNAL ASSESSMENT TEST
FEEDBACK FROM PARENTS - ABOUT THE FACILITIES PROVIDED BY THE INSTITUTION	BEGINNING OF THE ACADEMIC YEAR
FEEDBACK FROMALUMENT , ABOLT THE FACILITIES PROVIDED BY THE INSTITUTION, EDC, T &P CELL, R&D CELL, HE C.	IN THE MONTH OF NOVEMBER
FEEDBACK FROM EMPLOYERS	AROUND THE YEAR
FEEDBACK FROM STUDENTS & SENIOR FACULTY - ABOUTEDC	
FEEDBACK FROM STUDENTS & SEMIOR FACULTY - ABOUT R&D	2 <sup>20</sup> WEEK OF MARCH EVERY YEAR
FEEDBACK FROM STUDENTS & SEMOR FACUL TY - ABOUT TPO	AFTER THE COMPLETION OF TRAINING PROGRAM
FEEDBACK FROM STUDENTS & SEMOR FACUL IV - ABOUT HEC	END OF THE ACADEMIC YEAR
FEEDBACK FROMSTUDENTS - COURSEEND SURVEY & EXIT SURVEY	END OF THE ACADEMIC YEAR



## R.M.K. COLLEGE OF ENGINEERING AND TECHNOLOGY RSM NAGAR, PUDUVOYAL – 601 206 ENTREPRENEURSHIP & DEVELOPMENT CELL Stake Holders Feed Back



Academic year 2017-18

Parameters	Excellent	Very Good	Good	Fair
The scope of the curriculum provided by the university for entrepreneurship	14	12	4	0
Efforts taken by the institution in offering programmes to improve the entrepreneurship culture	19	8	3	0
Relevance of additional activities provided by the institution in improving their core knowledge towards entrepreneurship	13	11	6	0
Efficacy of the ED Cell in facilitating the students to overcome their difficulties in developing entrepreneurship skills.	22	8	0	0
Assistance offered in guiding the students towards successful entrepreneurship	21	8	1	0
The scope of the curriculum provided by the university for entreprenuership	offeringp	en by the ins rogrammes to eprenuership	o improve	
10% 23% 34% 34% 34% 33% ■ Very Good ■ Good ■ Adequate ■ Fair	269	6% 24% 44%	■ Very ■ Goo ■ Adee ■ Fair	
Relevance of additional activities provided by the institution in improving their core knowledge towards entreprenuership	the stude difficu	the ED Cell ir nts to overco ilties in devel prenuerships 7%	ome their oping	-
30% = Very Good 30% = Good Adequate 37% = Fair	27%	20%		quate
Assistance offered in guiding the students towards successful entreprenuership 10% 16% = Very Good 35% 39% = Good Adequate Fair	RMK COL	RENELIRSHIP LEGE OF ENGINE AGAR, PUDU DT. P. K CONVEN PROPE DEPT OF	ERING & TE	MENT CE Chnolog

# Suggestions and Action taken based on the feedback received from the Stakeholders 2017-18

# Scope of University Curriculum in support of becoming Entrepreneur

#### Suggestions Received:

- Student should be exposed to Project and start-up contest from the first Year itself.
- · Entrepreneurship Awareness camps to explore the importance of entrepreneurial activities
- More exposure to skill development
- Product development through MSME

#### Action Taken:

- Events are organized on project contests, business plan, product marketing for third year and fourth year students.
- Camps are organized with the fund from DST-NIMAT scheme.
- · Business Incubator has initiated product development and teams are identified

# Contribution of Entrepreneurship Development Cell in making more students to take part in contests

#### **Suggestions Received:**

- Students need Support in technical knowhow.
- Needs improvement Skill development.
- Exposure to students regarding project contest, product development, marketing, business proposal etc.

#### Action Taken:

- Students are encouraged and guided to attend/participate in events related with product development, start -up programs etc.
- More training on technical feasibility on identification of product/projects.
- Technical training must be provided to improve skills.

# Initiative Taken by the Cell to provide exposure in recent technologies

#### Suggestions:

- Exposure to recent technological advancement meetings regarding the current Industrial trends
- Suggestion for more student chapter activities and conducting Symposia related to latest technologies
- Alumni can be asked for providing suggestions Action Taken:

Based on the suggestions given by Alumni, selected students are encouraged to start their own business.

ENTREPREN DURSHIP DEVELOPMENT CELL RMK COLLEGE OF ENGINEERING & TECHNOLOGY RSM NAGAR, PUDUVOYAL - 601 205.

-	R.M.K COLLEGE OF ENC R S M Nagar	Puduvoya	1-601 206		
Utar.	FLED BACK FORM FOR T				18-
	ENTREPRENEURS	HIP DEVEL	OPMENT C	ELL	
	iame: P. Surya.				
	itudent:			Alum	si; 🔲
	"ear Ω. Dept: E	EE			
E	Branch/Sec:			Give details	of current status
Sr. No.	Parameters	Excellent (4)	Very Good (3)	Good (2)	Fair (1)
1	The scope of the Curriculum provided by the University for entrepreneurship	1			
2	Efforts taken by the institution in offering programmes to improve the entrepreneurship culture	~			
з	Relevance of additional activities provided by the institution in improving their core knowledge towards entrepreneurship.		~		
4	Efficacy of the ED Cell in facilitating the students to overcome their difficulties in developing entropreneurship skills.				
5	Assistance offered in guiding the students towards successful entrepreneurship		~		
9	Other suggestions, if any OppOrtunetces -poor and 24 training us begining at 1st yea	eded be bere p	y E-cel roveded ruld hav	l és go	and the more

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Denos ENTREPRENEURSHIP DEVELOPMENT CELL RMK COLLEGE OF ENGINEERING & TECHNOLOGY RSM NAGAR, PUDUVOYAL - 601 209. (DT. P. K. DEVAN) CONENOR OF EDC. PROFESSOR, DEPT OF MECHANICAL ENGL



#### R.M.K. COLLECE OF ENGINEERING AND TECHNOLOGY RSM NAGAR, PUDUVOYAL – 601 206 TRAINING AND PLACEMENT CELL Stake Holders Feed Back Academic year 2017-18 Overall Consolidation of All Departments

Parameters	Excellent	Very Good	Good	Fair
1) University Curriculum	87	46	16	13
2) Number of Training Programs	87	44	22	11
3) Efficiency in Skill Building	91	34	21	16
4) Latest Technology	78	34	40	10
5) Mock Interviews	82	46	17	16
University Curriculum 44% 36% 5% 6% 96% 96% 96% 96% 96% 96% 96% 96% 96%	Number 7% 13% 27%	of Training Pr	EXCE EXCE VERY GOOI FAIR	GOOD
3. Efficiency in Skill Buliding	6%	test Technolo	EXCE VERY GOOI FAIR	GOOD
Mock Interviews 10% 10% 29% 51% EXCELLENT VERY GOOD GOOD FAIR		V	£	5
		Co	Nenor SUDHA	TE:

Suggestions and Action taken based on the feedback received from the Stakeholders 2017-18

## Scope of Present University Curriculum in getting Placement

**Suggestions Received:** 

- Training on Core Areas can be provided.
- Centres of Excellence training may be made mandatory.
- Students can be involved in more Corporate Competitions. Action Taken:
- Training on Java is being given to all the IV year students & Python Training is being given to Infosys Recruits.
- Centre of Excellences for each department have been established to provide Corc Knowledge to make the students industry ready.
- NPTEL Courses were introduced to all the students.

# Contribution of Training & Placement Cell in providing sufficient number of Training Programs

## **Suggestions Received:**

Customized Training Programmes can be provided.

#### Action Taken:

- Trainings on Cloud Computing and IoT is being provided.
- Training Programs were organized by External Vendors for GD and logical skills
- More focus is given for GDs and Presentation activities in Communication Skills Laboratory.

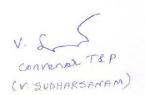
# Efficiency of Training Programs provided to improve the skills for Placements

#### Suggestions Received:

- Assessing and improving the skill level of each student before appearing for Campus Interviews.
- Assessment may be started from first year itself so that more focus can be given to the needy students.

#### Action Taken:

- · Weekly Skill Rack Assessments are given for practice
- AMCAT exams are conducted for improving the Verbal, Logical, Analytical, Programming and Core Knowledge.
- Skill Rack tests are implemented from I year onwards.



# Initiative Taken by the Cell to provide exposure in recent technologies

## Suggestions:

- · Exposure to recent technological advancements meetings the current Industrial trends
- Suggestion for more student chapter activities and conducting Symposia related to latest technologies
- · Alumni can be asked for suggestions for identifying and introducing value added courses

## Action Taken:

- CoEs are actively identifying the Industry needs to facilitate exposure of Latest Technology to the students.
- · Based on the suggestions given by Alumni, training on recent technologies is focused.

## Impact of Mock Interview at the time of Campus Interviews

#### Suggestions:

- · College Alumni may be invited to address the juniors to prepare them for Interviews
- Calling experts from different verticals so that students are exposed to meet the expectations of different industries.

#### Action Taken:

- Two Mock Interviews were conducted by the department faculty members
- Mock Interviews are also conducted by External Vendors.

Convenor Tdp (V. SUDHARSANAM)

R.M.K COLLEGE OF ENGINEERING AND TECHNOLOGY R S M Nagar, Puduvoyal - 601 206 FEED BACK FORM FOR THE ACADEMIC YEAR  $\frac{2018}{2}$ Training & Placement Cell Name: RANJITHA R Alumni: Faculty: Student: Dept: CSE Year 2018 Give details of current status: Branch/Sec: QSE - B Designation: STUDENT MORKING IN A EMILES SOEDWARE Very Good (3) Good Fair Excellent (4) Sr. No. Parameters (2) (1) The Scope of the present University Curriculum in getting placement V 1 Contribution of the training & placement cell in providing sufficient number of training 2 ١. programmes Efficiency of the training programme provided to improve skills for placement 1 3 Initiatives taken by the cell to provide exposure in recent technologies. 1 4 Impact of muck interviews at the time of actual campus interview V 5 Other suggestions, if any. Ancellent in all aspects, thank you for all the plat forms you as a team had spires us thank you once agains. 6 训 Convenor T&P (V. SUDHARSANAM)

## Feed Back from the Recruiters

#### Positives about the Alumni working in the Company

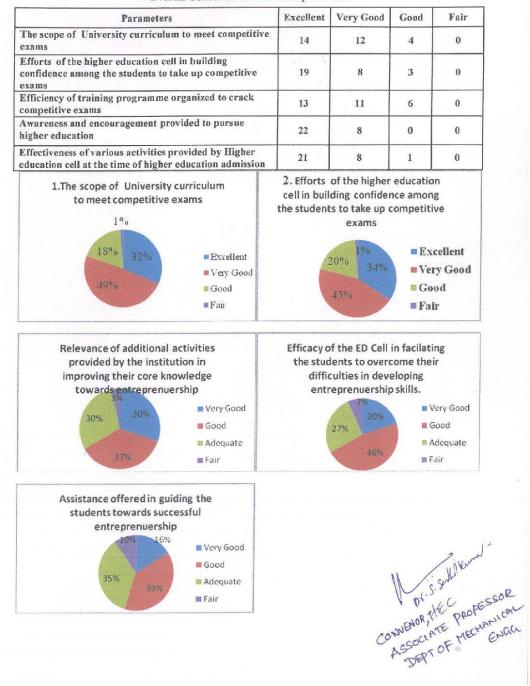
- Students are competent enough and add value to their Roles.
- Students are exhibiting a very good team work and interpersonal skills.
- Student's performance is good in the Analytical, Logical, Mathematical and Verbal reasoning skills.
- During Recruitment the College Management and Staff Members are hospitable.
- Students in CoEs are aware of the latest technological advancements.

## Scope of Improvement

- Students need to be more interactive with the HRs during the time of interviews
- Students need to improve on their communication skills. Especially in describing the events, written communication needs to be improved.
- Students need to develop the logical skills and write codes when a problem statement is given to them. Students are unable to write coding during the interviews.
- Certification on their areas of interest is appreciated.
- Students need to done mini projects and explain the concepts clearly; their ability to relate to the engineering concepts with the real world application needs to improve.
- Students need to complete online tutorials and MOOCs.

V. La S Convenior T&P (V. SUDHARSANAM)

#### R.M.K. COLLEGE OF ENGINEERING AND TECHNOLOGY RSM NAGAR, PUDUVOYAL – 601 206 HIGHER EDUCATION CELL Stake Holders Feed Back Academic year 2017-18 Overall Consolidation of All Departments



# Suggestions and Action taken based on the feedback received from the Stakeholders 2017-18

## 1) The scope of University curriculum to meet competitive exams

#### **Suggestions Received:**

- Curriculum to be framed to make strong in fundamentals and to be updated with application of latest technologies.
- Syllabus to be competent enough with international standards.

#### **Action Taken:**

- Hands on workshops and seminars to be arranged in all departments to gain fundamentals and to get knowledge in latest techniques.
- 2) Efforts of the higher education cell in building confidence among the students to take up competitive exams

#### **Suggestions Received:**

- More orientation programs on competitive exams to be arranged in our campus instead of main campus
- · Mock test to be conducted to appear competitive exams

#### Action Taken:

- · Requested the HE overall coordinator to arrange programs separately in our campus
- · Requested Department coordinators to arrange the Mock test for competitive exams

# 3) Efficiency of training program organized to crack competitive exams

#### Suggestions Received:

- Need training programs from legends of competitive training academy.
- Need to share the experience of the winners of the competitive exams.

#### Action Taken:

- Requested the department coordinators to arrange a interaction program with their department winners.
- Conducted an orientation program to prepare GATE exam by an expert from Chandigarh University last month.
- Plan to conduct many programs in forth coming weeks in our campus.

#### 4) Awareness and encouragement provided to pursue higher education

#### Suggestions:

• Need some awareness programs to pursue higher education in abroad.

## Action Taken:

- · Conducted an Education abroad program last week and plan to conduct an Education fair shortly.
- Conducted GRE and GATE preparation classes in our Main campus for hostel students. ٠
- 5) Effectiveness of various activities provided by Higher education cell at the time of higher education admission

## Suggestions:

• Need some help desk for higher education admission in India and abroad.

#### Action Taken:

- · Requested Department Higher Education coordinators to get from senior faculties of their respective department to help the students in this issue.
- · Requested the overall Higher Education coordinator to arrange a help desk in our Main campus from any reputed agency to guide our students during admission.

M. S. S. M. M. DI JERNOR) ASSOCIATE PROFESSOR DEPT OF MECHANICAL

TER R.M.K COLLEGE OF ENGINEERING AND TECHNOLOGY R S M Nagar, Puduvoyal – 601 206 FEED BACK FORM FOR THE ACADEMIC YEAR -----HIGHER EDUCATION CELL Name: M. VINO71-1 Student: Fneulty: Year TII Dept: Heach Alumni: Branch/Sec: "IL B Designation: Student Give details of current status: Very Good (3) Sr. No. Excellent (4) Good (2) Fair (1) Parameters The Scope of University Curriculum to meet competitive exams L ~ Efforts of the higher education coll in building confidence among the students to take up the competitive exams 2 ~ Efficiency of the training programme organized to crack competitive exams. 3 1-Awareness and encouragement provided to pursue higher education. 4 ~ Biffectiveness of Various activities provided by Bigher education Cell at the time of Higher education admission 1 Other suggestions, if any. Other suggestions, stary. We need more training programs and resource materials to face competitive enance such as Cirte, Cire, to Ere ets but you are concentiony on placement & smart training classes 8 Hinarth W.S. CENTRE DN-S. CENTRE (CONVENOR) ASSOCIATE PROFESSOR DEPT OF MECHANICAL ENGIGN ENGG)

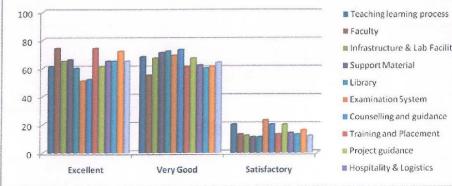
## R.M.K. COLLEGE OF ENGINEERING AND TECHNOLOGY



### RSM NAGAR, PUDUVOYAL - 601 206 ALUMNI ASSOCIATION

#### Academic Year 2017-18 **Overall consolidation of all Departments**

SL.No	Attributes	Excellent	Very Good	Satisfactory
1.	Teaching learning process	61	68	20
2.	Faculty	74	55	13
3.	Infrastructure & Lab Facilities	65	67	12
4.	Support Material	66	71	11
5.	Library	60	72	11
6.	Examination System	51	69	23
7.	Counselling and guidance	52	73	20
8.	Training and Placement	74	61	13
9.	Project guidance	61	67	20
10.	Hospitality & Logistics	65	62	14
11.	Hostel Facilities	65	60	13
12.	Environment	72	61	16
13.	Alumni Association	65	64	12





- Counselling and guidance
- Training and Placement
- Project guidance
- Hospitality & Logistics

Suggestions to improve the activities of Alumni Association

- 1. Online courses should be conducted for existing students
- 2. Video tutorial would be a good addition in learning
- 3. Centre of excellence
- 4. Design oriented laboratories to be started

R.M.K COLLEGE OF ENGINEERING AND TECHNOLOGY R.S.M. Nagar, Puduvoyal 601 206

ALUMNI FEEDBACK FORM-2017-18

	Name	of Alemat: G. SWATHICS	
1	Depart	tments	Year of Graduations 20.157
	Please	mention your current status:	
	A,	Campus placed	FORYS LINITED (ON CAMPUS)
	Ъ.	Name of the Organization /Designation	
1	с,	Higher Education/Degree/University	_ NA
	đ,	Entrepreneur	NA
	e.	Others (Specify)	bt 4

6

Dear Alumal, Please give your evenall assessment of our Institute academics and others. Please rate the following series in: I-Sarlsfactory (5) 2 – Good (6) 3 – Excellent (E)

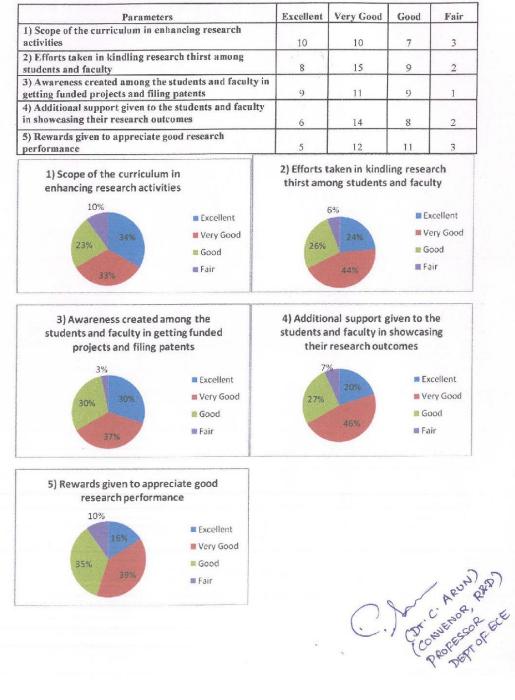
SI.No	Criteria	SATISFACTORY	in the second	No. I address
1	Teaching Learning process	VIII DI HOLOICI	GOOD	EXCELLENT
2	Faculty			1 in
3	Infrastructure & Lab facilities			1
4	Support Material			
5	Library			
6	Examination System			
7.	Counseling and Guidance		<u> </u>	
8	Training & Placement			1
9	Project Guidance			
10	Hospitality & Logistics			
11	Hostel Facilities			- m
12	Environment			
13	Alumni Association	-		
14	Relevance of curriculum in your fob	Gud		<u></u>
5	Application of acquired engineering concepts- in the field of your work	Gurd	4	-
6	Need any change/ inclusion in curriculum and syllabi	hit og le	1	
7	Need any improvement in teaching learning	Not neede Not weed	1	
8 5	uggestions to improve placement activity			<u>.</u>

SIGNATURE

N. HARIHARAN N. HARIHARAN Alumi-statt



#### R.M.K. COLLEGE OF ENGINEERING AND TECHNOLOGY RSM NAGAR, PUDUVOYAL – 601 206 RESEARCH AND DEVELOPMENT CELL Stake Holders Feed Back Academic year 2017-18 Overall Consolidation of All Departments



# Suggestions and Action taken based on the feedback received from the Stakeholders 2017-18

#### Scope of the curriculum in enhancing research activities

#### Suggestions Received:

- Student should be exposed to Mini Projects from the 3rd Year onwards
- · Research lab can be introduced to do innovative projects
- A Curriculum may be framed by consulting with Industry Experts.
- More exposure to practical knowledge is necessary.

#### Action Taken:

- Planning to submit funding proposal to setup research lab
- Mini project contest have been conducted in each department.
- Submitted many student projects to TNSCST

## Efforts taken in kindling research thirst among students and faculty

#### **Suggestions Received:**

- Internal Funding can be provided to students and faculty for the research projects depending upon the merit of proposal.
- Collaboration with Scientists/Experts of R&D centers.
- More in-house projects has to be encouraged for the final year students.
- Encouraging both students and faculty to register for online programming courses.

#### Action Taken:

- The quality of funding proposals is evaluated by the subject experts to allot internal funds.
- Planning to apply a funding proposal with the R & D experts.
- The final year students are motivated from 3rd year onwards to start their project.
- Programming languages such as C,C++ and Java are registered in NPTEL.

Awareness created among the students and faculty in getting funded projects and filing patents.

## Suggestions Received:

- · Bridge courses and workshops can be conducted for the latest technological advancements.
- To encourage both students and faculty to participate in seminars/workshops/conferences in their area of interest.
- Invitations and requirements from various funding agencies for the submission of proposals and patents should be communicated.

• The ideas of the proposals have to be moulded to meet the expectation of the funding agency.

#### Action Taken:

- Industrial experts are invited to give a tutorial session about the latest innovations.
- ODs are given to students and faculty for attending the seminars/workshops/conferences.
- Circulars are sent regularly about the expectation of the funding agencies for the patents and proposals submission.

Planning to conduct a motivational session for improving the proposal content to meet the needs of real time environment.

Additional support given to the students and faculty in showcasing their research outcomes

#### Suggestions Received:

- Innovation competitions and Project Expo should be organized every year to promote research.
- Financial assistance should be provided to attend International Conferences across the globe.
- Mini-projects should be sent to research funding agencies in request of funds.

#### Action Taken:

- Planning to conduct Project Expo at inter-college level.
- Travel expenses are refunded to the faculties attending International Conferences.
- Innovative proposals are selected and sent for the request of funds.

Rewards given to appreciate good research performance

#### Suggestions Received:

- Cash awards for the best project and publications in reputed journals.
- An incentive scheme can be introduced to the project team funded by external agencies.
- Annual Increment for the faculties who meet their targets in research activities.

#### Action Taken:

Both students and faculty are rewarded every year for their meritorious publications and projects.

5% of the total project amount is given as a token of appreciation from college. Bonuses are paid to faculties who have met their objectives.

C Dr. C. ARUN) CELL C Dr. C. ARUN) ConVENOR, PROPESSOR DEPT OF ECE DEPT OF ECE

R.M.K COLLEGE OF ENGINEERING AND TECHNOLOGY R S M Nagar, Puduvoyal – 601 206 FEED BACK FORM FOR THE ACADEMIC YEAR 2011-18 RESEARCH AND DEVELOPMENT CELL Name: M. ASITH KUMAR Student: Faculty: Alumni: Year III year Dopt: Mechanical Branch/Sec: A Designation: Give details of current status: Sr. No. Very Good Excellent (4) Good (2) Fair Parameters (1) (3) Scope of the Curriculum in enhancing research activities -1 Efforts taken in kindling research thirst among <sup>2</sup> students and faculty -Awareness created among the students and faculty in getting funded projects and filing patents 1 Additional support given to the students and faculty in showcasing their research outcomes 1 4 Rewards given to appreciate good research performance -5 Other suggestions, if any. more importance have to be given for projects and immorative rolean also provide simplus time to take forward an Ideas 5 Ajiti (Dr. C. ARUN RED (BL CONVENOR, PROFESSORI (DEPT OF ECE)

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## R.M.K.COLLEGE OF ENGINEERING AND TECHNOLOGY R.S.M. NAGAR, PUDUVOYAL-601 206 Parent Feedback Form

Name	of the Ward : N SANJEEV KUMAR		
Batch	: 20 18 to 20 2.2		
Date	: 10/9/18	• 24	
	Please rate the following on a scale of 1-5, with 1 being the minimum	m and 5 the maximum	<u>1.</u>
I	Academic & Laboratory Activities		
1.	The institution has an effective learning environment.	, [1] [2] [3	] [4] [57
2.	Your ward benefits technologically from the institution.	[1] [2] [3	][4] 197
3.	The institution helps achieve high academic standards,	[4] [2] [3	] [4] [5]
4.	The institution's laboratory infra-structure is good.	[1] [2] [3	1 [4] [4]
[]	Training & Placement Activities		
1.	Your Ward's personality has improved due to the training imparted.	[1] [2] [3]	] [4] [5]

#### 11 **Training & Placem**

Name of the Parent : BHANUMATHI N

- 1. Your Ward's personality has improved due to the training imparted.
- 2. Career-counseling and guidance given by the department was useful.
- III Library
  - 1. The institution's library is resourceful.
- IV (a) Transport (Day scholars only)
  - 1. The fleet of buses maintains time on all days.
  - 2. The institution's transport system is comfortable.

#### IV (b) Hostel (Hostellers only)

- 1. The rooms and the toilets are well-maintained.
- 2. The necessary amenities are provided promptly.

RMKCET/COM/DF/39

[1] [2] [3] [4] [5]

[1] [2] [3] [4] [5]

[1] [2] [3] [4] [5]

[1] [2] [3] [4] [5]

[1] [2] [3] [4] [5]

[1] [2] [3] [4] [5]

V	Mess	4	- 10				
1.	The Dining hall is hygienic and the food	d is nutri	tious.			[1] [2] [3]	PM [5]
VI	Co-curricular/Extra-curricular Activ	ities					
1.	Intra-mural/cultural activities conducted	l identifi	ed your	ward's hidden	potential.	[1] [2] [9]	[4] [5]
2.	Sufficient avenues are available to hone	your wa	ard's spo	rting skills.		[1] [2] [3]	[4] [5]
3.	Your ward's Department's association is	s active .	and vibra	ant.		[1] [2] [3]	115
	Any Other Suggestions	;	;		7		=
	The college must the campus	in	ples	ment	NCO	in	n and
	the campus		r.			1000	

0 Signature

RMKCET/COM/DF/39

## REPORT R.M.K.COLLEGE OF ENGINEERING AND TECHNOLOGY STUDENT FEEDBACK

# MAR - 2018 [03/03/2018]

Branch :CSE Semester :6

Section :B

Subject Title : Digital Signal Processing

Subject Code :IT6502

Preparedness for handling class	9.8/10
Regularity for handling class	9.7/10
Speaks Clearly and audibly	9.7/10
Writes and Draws legibly	9.5/10
Explains clearly and effectively the concepts/principles with appropriate appropriste appropriate appropriate appr	priate 9.5/10
Covers all topics in time	9.5/10
Encourage you to ask questions and give answers	4.8/5
Compliments and praises originality and creativity by Students	4.6/5
Indicates important points to remember	9.7/10
Adjusts pace of class to the students level of understanding	9.7/10
Provides helpful comments on papers and exams	9.6/10
Is courteous and unbaised in dealing with the students	4.6/5
Offers timely assistance and counseling to students	4.6/5
Is available outside the class for discussion	4.6/5
Is effective, overall in helping students to learn	9,5/10
Care for students welfare	4.8/5
Inspire and motivate students	4.8/5
Has a pleasant disposition	4.8/5
Evaluates and returns answer scripts in time	4.8/5
Commands respect from students	4.6/5

HOD

PRINCIPAL



## RMK COLLEGE OF ENGINEERING ANDTECHNOLOGY RSM NAGAR, PUDUVOYAL - 601206



## DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

## COURSE END SURVEY (2016-2017)

## Course: EE6502 MICROPROCESSOR & MICROCONTROLLER

Batch: 2014-2018

## Sem / Year :V/III

Name of the student: GrokubB

Reg. No: 111614105019

CO.NO.	QUESTIONNAIRE	E	G	F
C302.1	Describe the functional blocks of 8085 microprocessor			
C302.2	Develop an simple assembly language program of 8085 microprocessor	Ø		
C302,3	Explain the architecture of 8051 microcontroller	H		
C302.4	Analyze the data transfer information through serial and parallel ports.	Ø		
C302.5	illustrate how the different peripherals are interfaced with Microprocessor and microcontroller	e		
C302.6	Develop a program for various application of 8051	a	П	П

E-Excellent (3), G-Good(2), F-Fair(1)

Course Evaluation: Please rate the various components of this course in helping you develop and apply the knowledge and skills listed in the course outcomes.



#### R.M.K. COLLEGE OF ENGINEERING AND TECHNOLOGY

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Student Exit Survey

Name of the Student: KABLUN K Register No: 11614 (05021

Batch: 2014-18						
	liliu					
Strongly Agree	Agree	Disagree				
3	2	1				

1. Have you attained the ability to apply knowledge of mathematics, science and engineering fundamentals appropriate to EEE?

Agree Disagree Strongly Agree 2. Have you attained the ability to identify, review, analyze and solve engineering problems? DAgree Disagree Strongly Agree 3. Have you acquired the ability to design a system or component or process to meet desired needs within

- realistic constraints such as cost, environmental, societal, health &safety? Disagree Strongly Agree Agree
- 4. Do you possess the ability of select and use appropriate modern tools that perform complex engineering activities?

Strongly Agree	[]Agree	Disagree
Do you have sufficient underst	anding of professional and ethical	responsibility?

Do you have sufficient understanding of professional and ethical responsib Strongly Agree Agree Disagree 6. Are you competent to effectively function as an individual and be part of a team which includes multi-

disciplinary professionals

PAgree Disagree Strongly Agree 7. Do you have the ability to communicate effectively with peers, supervisors, subordinates, clients and other stakeholders?

- Agree Disagree Strongly Agree 8. Do you have better understanding of engineering and management principles to manage project teams
- of multi-disciplinary environment? PAgree Disagree Strongly Agree
- 9. Do you have the ability to recognize the need for life-long learning as per the needs of current and future professional practice?

Disagree Agree Strongly Agree 10. As an Electrical Engineer, have you acquired sufficient knowledge to analyze, design and develop cost

effective solutions that benefit human society PAgree Disagree

Strongly Agree

XXXXX

25/9/105

5.



#### RMK COLLEGE OF ENGINEERING AND TECHNOLOGY



## RSM NAGAR PUDUVOYAL-601206 CONSOLIDATED FEEDBACK REPORT

As per the analysis received on feedback obtained from various parameters, the following suggestions are to be given more thrust and importance.

#### Entrepreneurship & development cell

More activities/training towards improving the core knowledge & skills needed to improve their EDC culture.

Higher education cell

(i)Awareness needed regarding global higher education.

(ii)Effective training program needed to crack competitive exams.

(iii)Encouragement in the aspect of higher studies and foreign education is required.
 (iv)Required more focus on practices which would improve the ability of to identify the problems.

#### Training & placement cell

(i)Need more practical knowledge than theoretical.

(ii)Effective sessions are needed in coding.

(iii)More training programs may be given on logical thinking

(iv)Students may be encouraged to participate in more internships during their course of study (v)Industrial visit (domain specific) may be organized every semester.

(vi) Placement coaching (Mock-interviews, group discussions, expert lectures, and aptitude sessions) provided.

(vii) Certain domain specialization courses had to be conducted can be taken much care.

#### Feedback from Alumni

All alumni members found the environment conducive for learning

Alumni members found the entire infrastructure very encouraging in learning process.

Overall the Alumni have given a feedback that there were ample ambience for them to improve their communication skill, personality development, self-motivation, confidence, good mentoring and good academic support extended by faculty.

#### Feedback from parents

Parent's feedback about the infrastructure of institute which includes classrooms, library, cleanliness, LCD Projector, notice boards, green campus, etc. are conducive to keep the students motivated and engaged for learning.

( P. HEMA FEED Back COMMITTEE CONVENOR)

# ANNEXURE-II

# ACADEMIC CALENDAR 2017-18



## R M K COLLEGE OF ENGINEERING AND TECHNOLOGY Calendar for Odd Semester (Academic Year 2017 - 18) Revised



Remarks

JULY 2017

II / III / IV Year B.E.

Holiday Saturday day order

> Founder's Day Holiday Tuesday day order

> > Holiday Holiday Holiday

Holiday Saturday day order

> Holiday Holiday

Cumulative : 26

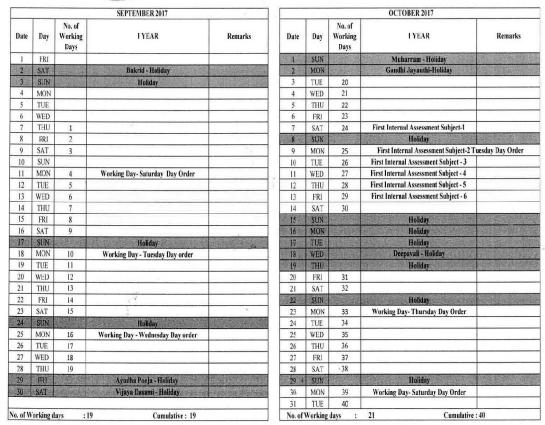
			JUNE 2017				
Date	Day	No. of Working Days	11 / 111 / IV Year B.E.	Remarks	Date	Day	No. of Working Days
1	THU			1	1	SAT	4
2	FRI				2	SUN	t- topologic
3	SAT				3	MON	5
4	SUN		Holiday		4	TUE	6
5	MON		Holiday		5	WED	7
6	TUE				6	THU	8
7	WED				7	FRI	9
8	THU				8	SAT	10
9	FRI				9	SUN	THE REAL
10	SAT			and and a second se	10	MON	11
11	SUN	Sec. 2	Holiday	A SHARE WE WANTED	11	TUE	12
12	MON	1200	Holiday	ALC: THE PARTY	12	WED	13
13	TUE			<	13	THU	14
14	WED				14	FRI	15
15	THU				15	SAT	
16	FRI				16	SUN	
17	SAT			112	17	MON	1
18	SUN		Holiday	400	18	TUE	16
19	MON		Holiday		. 19	WED	17
20	TUE				20	THU	18
21	WED				21	FRI	19
22	THU				22	SAT	20
23	FRI				23	SUN	Ser and
24	SAT				24	MON	21
25	SUN	后于480代已 <sup>19</sup>	Holiday	- single of the states	25	TUE	22
26	MON	Water Park	Ramzan - Holiday		26	WED	23
27	TUE				27	THU	24
28	WED	1	Classes Commence for Higher Semester		28	FR1	25
29	THU	2			29	SAT	26
30	FRI	3			30	SUN	a realized and
o. of W	orking day	ys: 3	Cumulative : 3		31	MON	

Date	Day	No. of Working Days	11 / 111 / IV Year B.E.	Remarks
1	TUE	27		
2	WED	28		
3	THU	29	First Internal Assessment Subject - 1	
4	FRI	30	First Internal Assessment Subject - 2	
5	SAT	31	First Internal Assessment Subject - 3	
6	SUN		Holiday	
7	MON	32	First Internal Assessment Subject - 4 (Wedne	sday Day orde
8	TUE	33	First Internal Assessment Subject - 5	
9	WED	34	First Internal Assessment Subject - 6	
10	THU	35		
11	FRI	36		
12	SAT	37		
13	SUN	elanda el	Holiday	1000月月
14	MON		Sri Krishna Jayanthi - Holiday	- Aller
15	TUE		Independence Day - Holiday	
16	WED	38		1
17	THU	39		
18	FRI	40		
19	SAT	41		
20	SUN	3.3 33	Holiday	ALC: A TURK
21	MON	42	Friday Day order	
22	TUE	43		
23	WED	44		
24	THU	45		
25	FRI		Vinayaga Chathurthi - Holiday	Constant State
26	SAT	46	<i></i>	
27	SUN		Holiday	The Mark State
28	MON	47	Saturday day order	
29	TUE	48		
30	WED	49		
31	THU	50		

Date	Day	No. of Working	SEPTEMBER 2017	Remarks
		Days		- Actinia Ro
1	FRI	51		
2	SAT	des anna	Bakrid - Holiday	
3	SUN	Party Contraction	Holiday	and the second
4	MON	52	Tuesday day order	
5	TUE	53		
6	WED	54		
7	THU	55	Second Internal Assessment Subject - 1	
8	FRI	56	Second Internal Assessment Subject - 2	
9	SAT	57	Second Internal Assessment Subject - 3	
10	SUN		Holiday	Sector 1
11	MON	58	Second Internal Assessment Subject - 4(Thurs	day day orde
12	TUE	59	Second Internal Assessment Subject - 5	
13	WED	60	Second Internal Assessment Subject - 6	
14	THU	61		
15	FRI	62		
16	SAT	63		
17	SUN		Holiday	Service Services
18	MON	64	Friday Day order	
19	TUE	65	4	
20	WED	66		
21	THU	67		
22	FRI	68		
23	SAT	69	Revision / Revision Test	
24	SUN		Holiday	1
25	MON	70	Revision / Revision Test	
26	TUE	71	Revision / Revision Test	
27	WED	72	Revision / Revision Test	
28	THU	73	Revision / Revision Test	
29	FRI	1990 (B. 199	Ayudha Pooja - Holiday	
30	SAT	100	Vijaya Dasami - Holiday	Contraction Contraction



#### R M K COLLEGE OF ENGINEERING AND TECHNOLOGY RSM NAGAR, PUDUVOYAL - 601 206 ACADEMIC YEAR 2017-2018 ACADEMIC CALENDAR FOR FIRST SEMESTER



				٠					
			NOVEMBER 2017					DECEMBER 2017	
Date	Day	No. of Working	IYEAR	Remarks	Date	Day	No. of Working	I YEAR	Rema
1	WED	41			1	FRI	66	1	
2	THU	42			2	SAT		Milad-un-Nabi- Holiday	All Contractions
3	FRI	43			3	SUN		Holiday	
4	SAT	44			4	MON	67	Model Examination Subject - 1 Frida	y Day Order
5	SUN		Holiday		5	TUE			
6	MON	45	Working Day- Thursday Day Order	2	6	WED	68	Model Examination Subject -2	
7	TUE	46		1. 19	7	THU			
8	WED	47			8	FRI	69	Model Examination Subject - 3	
9	THU	48		4	9	SAT	70	Model Examination Subject -4	
10	FRI	49			10	SUN		Holiday	
11	SAT	50	Second Internal Assessment Subject - 1		11	MON	71	Model Examination Subject - 5	Thursday Day Orde
12	SUN		Holiday		12	TUE		I	
13	MON	51	Second Internal Assessment Subject - 2 Tuesds	ay Day Order	13	WED	72	Model Examination Subject - 6	
14	TUE	52	Second Internal Assessment Subject - 3		14	THU			
15	WED	53	Second Internal Assessment Subject - 4		15	FRI			4
16	THU	54	Second Internal Assessment Subject - 5		16	SAT			
17	FRI	55	Second Internal Assessment Subject - 6		17	SUN		Holiday	
18	SAT	56			18	MON	Cor	nmencement of University Practical Ex	aminations (Tentativ
19	SUN		Holiday		19	TUE			
20	MON		Holiday		20	WED			
21	TUE	57			21	THU			
22	WED	58			22	FRI			
23	THU	69			23	SAT			
24	FRI	60			24	SUN		Holiday	
25	SAT	61			25	MON		Christmas day	
26	SUN		Holiday		26	TUE	Co	mmencement of University Theory Exa	aminations (Tentative
27	MON	62	Working Day- Wednesday Day Order		27	WED			
28	TUE	63			28	THU			
29	WED	64			29	FRI			
30	THU	65			30	SAT			
					31	SUN		Holiday	State State State

# RMK COLLEGE OF ENGINEERING AND TECHNOLOGY

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			CEMBER 2017					JANUARY 2018	
Date	Day	No. of Working Days	I Year B.E.	Remarks	Date	Day	No. of Working Days	l Year B.E.	Remark
1	FRI				1	MON		New Year - Holiday	
2	SAT				2	TUE	ALC: NOT STATE	Holiday	SEAL
3	SUN				3	WED			
4	MON				4	THU			
5	TUE				5	FRI			
6	WED				6	SAT			
7	THU				7	SUN		The second strength and the second strength and	1000
8	FRI				8	MON	1 1 4 4 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		
9	SAT				9	TUE			
10	SUN	Carlo Martin Carlo M			10	WED			
11	MON	atala kay kaya			11	THU			
12	TUE				12	FRI			
13	WED			1	13	SAT		Pongal holidays	CONTRACTOR OF
14	THU				14	SUN		Holiday	
15	FRI	4		i i	15	MON	Stand States	Holiday	
16	SAT				16	TUE		Holiday	
17	SUN	Salt and your	2000年代中国中国的中国中国的中国中国的中国中国的中国中国	Martines.	17	WED	and a state	Holiday	1911 - 19
18	MON			A CONTRACTOR OF	18	THU		Holiday	
19	TUE				19	FRI	C. ?	Holiday	1.5 m - 1.
20	WED			392	20	SAT	STATISTICS.	Holiday	
21	THU			5711	- 21	SUN		Holiday	2.502
22	FRI				* 22	MON	1	Classes commence for First year - Tuesday Day	Order
23	SAT				23	TUE	2		
24	SUN		Holiday		24	WED	3		
25	MON	N. 2	Christmas - Holiday		25	THU	4		
26	TUE	, di			26	FRI		Republic Day - Holiday	
27	WED				27	SAT	5		
28	THU					SUN			
29	FRI				29	MON	6	Friday Day Order	
30	SAT				30	TUE	7		
31	SUN	AN INCOMENTAL DRAW	の世界で、現代に、人生ない。	A CALL	31	WED	8		
. of We	rking days	:	Cumulative :		No. of W	orking days	:8	Cumulative : 8	

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T	MARCH 2018					FEBRUARY 2018			
Remar	I Year B.E.	No. of Working Days	Day	Date	Remarks	I Year B.E.	No. of Working	Day	Date
	First Internal Assessment Subject - 2	30	THU	1			Days 9	THU	1
	First Internal Assessment Subject - 3	31	FRI	2			10	FRI	2
	First Internal Assessment Subject - 4	32	SAT	3			11	SAT	3
			SUN	4	E Starting	Holiday		SUN	4
Day Order	First Internal Assessment Subject - 5 - Wednesday I	33	MON	5		Saturday Day Order	12	and the second second	State of the second
	First Internal Assessment Subject - 6	34	TUE	6		Saturday Day Order	12	MON TUE	5
		35	WED	7					6
		36	THU	8			14	WED	7
		37	FRI	9			15	THU	8
		38	SAT	10	A DESIGNATION OF THE OWNER	Holiday	16	FRI	9
			SUN	11				SAT	10
	Thursday Day Order	39	MON	12	and the second second	Holiday		SUN	11
		40	TUE	13	+ 750+10+144	Holiday		MON	12
		- 41	WED	14			17	TUE	13
-		42	THU	1000			18	WED	14
-		42	FRI	15			19	THU	15
	Holiday	4.5	SAT	17			20	FRI	16
1 20	Telugu New Year - Holiday		SUN	110 110	1		21	SAT	17
	Holiday		MON	18				SUN	18
	nonuny	44	TUE	19		Saturday Day Order	22	MON	19
		44	WED	20	54.)		23	TUE	20
-		45	THU	21	24	374	24	WED	21
		47	FRI	22			25	THU	22
		48	SAT	24			26	FRI	23
		10	SUN	25			27	SAT	24
	Friday Day Order	50	MON	26		Holiday		SUN	25
		51	TUE	20		Holiday		MON	26
		52	WED	28		Et al. in al Assessment Subject	28	TUE	27
		53	THU	29		First Internal Assessment Subject - 1	29	WED	28
1. 1	Good Friday-Holiday	C. Carlo	FRI	- 30	e : 29	Cumulative :	ivs : 21	Working d	
	Second Internal Assessment Subject -1	54	SAT	31			13 . 21	working	NO. 01
	Cumulative : 54	: 25	rking days	No. of Wo	3			-	-

Dat	Remarks	APRIL 2018 1 Year B.E.	Date Day No. of Working Days		
1		Holiday		SUN	1
2	Day Order	Second Internal Assessment Subject - 2 Friday	55	MON	2
3		Second Internal Assessment Subject -3	56	TUE	3
4	1 m	Second Internal Assessment Subject -4	57	WED	4
5		Second Internal Assessment Subject - 5	58	THU	5
6		Second Internal Assessment Subject -6	59	FRI	6
7	Founder -	toration Day of Smt. Manjula Munirathinam, Chairperson	Commen	SAT	7
8		Holiday		SUN	8
9		Saturday Day Order	60	MON	9
10			61	TUE	10
11			62	WED	11
12		14	63	THU	12
13			64	FRI	13.
14		Tamil New Years Day, and Dr.B.R.Ambedkar's Birthday - Holiday		SAT	14
15	ALC: NO.	Holiday	A CARLES AND A CAR	SUN	15
16		Saturday Day Order	* 65	MON	16
17			66	TUE	17
18			67	WED	18
19	1		68	THU	19
20		- 8	69	FRI	20
1 21	3a		70	SAT	21
, 22	a start and	Holiday		SUN	22
23			71	MON	23
24		Model Examination Subject - 1	72	TUE	24
25		10 <sup>2</sup>		WED	25
26	4	Model Examination Subject - 2	73	THU	26
27				FRI	27
28		Model Examination Subject - 3	74	SAT	28
29	的后生分离可	Holiday		SUN	29
30		Model Examination Subject - 4	75	MON	30
31					

	1	No. of	MAY 2018	
Date	Day	Working Days	I Year B.E.	Remark
1	TUE	Statistics P.	May day - Holiday	and the second
2	WED	76	Model Examination Subject - 5	
3	THU	77	Model Examination Subject - 6	
4	FRI			
5	SAT			
6	SUN		Holiday	
7	MON	Commencer	ment of University Practical Examinat	ions (tentative)
8	TUE			
9	WED			
10	THU			
11	FRI			
12	SAT			
13	SUN		Holiday	A DESCRIPTION
14	MON		Holiday	
15	TUE			
16	WED			
17	THU			1
18	FRI			
19	SAT			i.
20	SUN		Holiday	and the second
21	MON	Commence	ement of University Theory Examination	ons (tentative)
22	TUE			
23	WED			
24	THU			
25	FRI			
26	SAT			
27	SUN		Holiday	
28	MON		Holiday	
29	TUE			
30	WED			
31	THỦ	1		