Yearly Status Report - 2018-2019

Part A	
Data of the Institution	
1. Name of the Institution	**R. M. D. ENGINEERING COLLEGE**
Name of the head of the Institution	**Dr. N. ANBUCHEZHIAN**
Designation	**Principal**
Does the Institution function from own campus	**Yes**
Phone no/Alternate Phone no.	**04467919104**
Mobile no.	**9790670444**
Registered Email	**principal@rmd.ac.in**
Alternate Email	**rmdecp@gmail.com**
Address	**R. S. M. NAGAR, KAVARAIPETTAI**
City/Town	**GUMMUDIPOONDI TALUK, TIRUVALLUR DISTRICT**
State/UT	**Tamil Nadu**
Pincode	**601206**

2. Institutional Status

Affiliated / Constituent	**Affiliated**
Type of Institution	**Co-education**
Location	**Rural**
Financial Status	**private**
Name of the IQAC co-ordinator/Director	**Dr. D. RUKMANIDEVI**
Phone no/Alternate Phone no.	**04467919142**
Mobile no.	**9566264728**
Registered Email	**iqaccoordinator@rmd.ac.in**
Alternate Email	**ac@rmd.ac.in**

3. Website Address

Web-link of the AQAR: (Previous Academic Year)	https://rmd.ac.in/iqac/AQAR/AQAR2017-2018.pdf

4. Whether Academic Calendar prepared during the year

4. Whether Academic Calendar prepared during the year	**Yes**
if yes,whether it is uploaded in the institutional website: Weblink :	https://rmd.ac.in/academicschedule.pdf

5. Accrediation Details

Cycle	Grade	CGPA	Year of Accrediation	Validity	
				Period From	Period To
1	**B++**	**2.82**	**2017**	**30-Oct-2017**	**29-Oct-2022**

6. Date of Establishment of IQAC

04-Dec-2015

7. Internal Quality Assurance System

Quality initiatives by IQAC during the year for promoting quality culture		
Item /Title of the quality initiative by IQAC	Date & Duration	Number of participants/ beneficiaries
IQAC First Meeting	**26-Oct-2018**	**25**

	1	
IQAC Second Meeting	23-Jan-2019 1	25
IQAC Third Meeting	24-Apr-2019 1	25
IQAC Fourth Meeting	06-Jun-2019 1	25
Preparation of AQAR and Submitted to NAAC	29-Dec-2018 90	6
Participation of NIRFData submitted through DCS	07-Dec-2018 90	6
NBA Internal Audit	10-Nov-2018 90	128
NBA Internal Audit	10-Apr-2019 90	128
Academic Administrative Audit	25-Oct-2018 2	12
One Day Workshop on Understanding the New Framework of NAAC	19-Jun-2019 1	125
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8. Provide the list of Special Status conferred by Central/ State Government-UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.

Institution/Department/Faculty	Scheme	Funding Agency	Year of award with duration	Amount
CSE	SEMINAR	STATE GOVERNMENT	2018 2	20000
CSE	REFRESHER PROGRAMME	AICTE-ISTE	2018 6	300000
EEE	INTERNATIONAL CONFERENCE	AICTE	2018 3	500000
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9. Whether composition of IQAC as per latest NAAC guidelines:	**Yes**
Upload latest notification of formation of IQAC	View File
10. Number of IQAC meetings held during the year :	**4**
The minutes of IQAC meeting and compliances to the decisions have been uploaded on the institutional website	**Yes**

Upload the minutes of meeting and action taken report	[View File](#)
11. Whether IQAC received funding from any of the funding agency to support its activities during the year?	No

12. Significant contributions made by IQAC during the current year(maximum five bullets)

NBA Renewal. Participation in NIRF. Organizing AICTE sponsored International Conference on Emerging Intelligent Technologies and Applications. Organizing quality workshops and seminars related to Research activities. Internal and External ISO Audit.

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

Plan of Action	Achivements/Outcomes
Teaching Learning Process Introducing certificate NPTEL online Courses	Ranked one among the Top 50 SWAYAM NPTEL Active Local Chapters with AA rating
Academic results 2018-2019	Secured 5 th Position in Nov/Dec 2018 Anna University Examinations
Placement	Placement Percentage :85.27%
To Establish Institution Innovation Cell	Established Institution Innovation Cell with Two star Rating
Submission of Application for AICTE-CII Award	All Disciplines are awarded under Platinum Category by AICTE-CII
R & D activities	Ph.D Graduated :10 ;Ph.D Registered :5; Paper Published : 73; WOS/SCI:35; Scopus :38; Patents :3
Organizing Conferences/workshop/Seminar	Conference:01; Workshop : 20; Seminar :10
Parent-Teacher Meeting	Parent -Teacher Meetings (PTMs) were organised by each and every department of the college on 02.03.2019 and 09.03.2019. Feedback collected from the parents and analysed.
Extra-curricular activities organized through ECO Club, NSS, and YRC	Blood donation camp organised on 16.02.2019 and Total Number of Units of blood donated is 275. Swachh Bharat Summer Internship Programme organised during May-July 2018 at various villages such as Vanjivakkam, Kodur and Ikkadu.
Sports Activities	Our girls team Won Overall Championship consecutively for the 6th year among 34 colleges in Anna University Zone-1

	Tournament. Won Gold Medal in 4th National Handball Championship held at Goa. Won Silver Medal in 3rd South Asian Open Taekwon-Do Championship 2019 held at New Delhi.
	[View File](#)

14. Whether AQAR was placed before statutory body ?	**Yes**

Name of Statutory Body	Meeting Date
Governing Body	**16-Nov-2019**

15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?	**No**
16. Whether institutional data submitted to AISHE:	**Yes**
Year of Submission	**2019**
Date of Submission	**09-Jan-2019**
17. Does the Institution have Management Information System ?	**Yes**
If yes, give a brief descripiton and a list of modules currently operational (maximum 500 words)	**Pragati for Online Students Performance Monitoring and Counselling System. Campus Placement Tracker for Maintaining Student Details related for placement.**

Part B

CRITERION I – CURRICULAR ASPECTS

1.1 – Curriculum Planning and Implementation

1.1.1 – Institution has the mechanism for well planned curriculum delivery and documentation. Explain in 500 words

An efficient and well-structured system has been established and continuously monitored by the institute to ensure that the academic programmes and institution goals/objectives are integrated. The following highlights the institutional efforts towards integrating the curriculum, goals and objectives: 1. The institution follows the "Outcome Based Education" approach. The goals/objectives of the institution have been clearly defined which conveys the stakeholders that this institution strives hard for the betterment of the student community and there by reaching excellence in providing technical education. 2. The curriculum prescribed by the Affiliating Anna University is completely analyzed for each programme by Department Advisory Board (DAB) to identify the non-coverage of potential topics or course in the curriculum, so as to bridge the gap that exists between the curriculum and industry needs. 3.

The DAB comprises of Head of the Department, Senior Faculty Members, Alumni, a senior professor from the Affiliating University and experts from industry. 4. Higher target has been set as the attainment level for the defined objectives and outcomes. 5. If the target has been achieved for an outcome or objective, then the target is revised at the next higher level for the next academic year. If in case, the target is not achieved, necessary corrective actions are suggested and implemented in the subsequent academic year. 6. The following supplement activities are performed to ensure the integration of the objectives and curriculum: At Every Course Level Delivering Content Beyond Syllabus topics Conducting various pedagogical initiatives such as Role play, Assignments, Group Discussion, Seminar, Mini Project etc. Conducting Value Added/Certification courses, Organizing Workshops and Conferences. Organizing project exhibition on Science Day Industrial Visits To make students socially and ethically aware, the Institution makes efforts to inculcate value based education such as professional ethics, environmental science and engineering and making students take part in sports and other activities like NSS,ECO Club,YRC and Woman Empowerment Cell. Trainings on student personality development and communication skills development are provided. To enhance the learning experience of the students, NPTEL videos and Internet access are provided in the campus. The students are encouraged to attend in-plant training during their vacation period to enhance the practical knowledge. Industrial visits are arranged for the students to get practical exposure. Students are exposed to recent technologies through conducting various value added courses, workshops, seminars, guest lectures and project contest organized in the Institution. Faculty development Programs and training programs with hands on experience are conducted to faculty members to enrich their skills that in turn used for the development of the students.

1.1.2 – Certificate/ Diploma Courses introduced during the academic year

Certificate	Diploma Courses	Dates of Introduction	Duration	Focus on employ ability/entrepreneurship	Skill Development
NPTEL		28/01/2019	84	Employability	Joy of Computing using Python, Machine Learning, Programming in Java, PDSA using Python, Advanced IOT applications
NPTEL		25/02/2019	56	Employability	CMOS Digital VLSI Design, Microprocessor and micro controller, Machine learning for engineering and science applications Problem solving through

				programming in C, Programming, Data Structures and Algorithms using Python, Programming in Java
NPTEL	28/01/2019	84	Employability	Better Spoken English, Industrial Automation and Control, Problem Solving through Programming in C,Database Management System
Factory Automation	16/11/2018	9	Employability	Programmable Logic Controllers
Building Management System	16/11/2018	9	Employability	HVAC Design, AHU Types
NIELIT	19/11/2018	10	Employability	C Programming
NIELIT	30/11/2018	10	Employability	Embedded system Design using ARM Cortex M4
CDAC	05/07/2018	12	Employability	C and Data Structure
CCNA	02/07/2018	90	Employability	Fundamental of Networking
NPTEL	30/07/2018	84	Employability	Digital Circuits, Analog Communication, Introduction to IOT, Information Theory Coding and Cryptography, Problem solving

					through programming in C,
NPTEL	27/08/2018	56		Employabilit y	Introduction to Programming in C, Discrete Time Signal Processing, Programming in C, Computer Networks and Internet Protocol, Cloud Computing, Cryptography and Network Security, Introduction to Internet of Things
NPTEL	27/08/2018	56		Employabilit y	Programming, data structures and algorithms using Python, Programming in C, Advanced Linear Control System

1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the academic year

Programme/Course	Programme Specialization	Dates of Introduction
BE	Communicative English- HS8151	01/01/2018
BE	Engineering Mathematics – I-MA8151	01/01/2018
BE	Engineering Physics- PH8151	01/01/2018
BE	Engineering Chemistry- CY8151	01/01/2018
BE	Problem Solving and Python Programming -GE8151	01/01/2018
BE	Engineering Graphics -GE8152	01/01/2018

BE	Problem Solving and Python Programming Laboratory -GE8161	01/01/2018
BE	Physics and Chemistry Laboratory-BS8161	01/01/2018
BE	Technical English -HS8251	01/01/2018
BE	Engineering Mathematics - II-MA8251	01/01/2018
BE	Physics for Information Science -PH8252	01/01/2018
BE	Physics for Electronics Engineering -PH8253	01/01/2018
BE	Basic Electrical, Electronics and Measurement Engineering -BE8255	01/01/2018
BE	Basic Electrical and Instrumentation Engineering -BE8254	01/01/2018
BE	Basic Civil and Mechanical Engineering-BE8252	01/01/2018
BE	Environmental Science and Engineering-GE8291	01/01/2018
BE	Circuit Analysis - EC8251	01/01/2018
BE	Circuit Theory-EE8251	01/01/2018
BE	Programming in C - CS8251	01/01/2018
BE	Electronic Devices -EC8252	01/01/2018
BE	Information Technology Essentials- IT8201	01/01/2018
BE	Engineering Practices Laboratory - GE8261	01/01/2018
BE	Circuits and Devices Laboratory - EC8261	01/01/2018
BE	Electric Circuits Laboratory -EE8261	01/01/2018
BE	Information Technology Essentials Laboratory IT8211	01/01/2018
BE	C Programming Laboratory -CS8261	01/01/2018
BE	Discrete Mathematics-MA8351	01/01/2018
BE	Digital Principles and System Design- CS8351	01/01/2018
BE	Data Structures- CS8391	01/01/2018

BE	Object Oriented Programming- CS8392	01/01/2018
BE	Communication Engineering- EC8395	01/01/2018
BE	Probability and Queuing Theory – MA8402	01/01/2018
BE	Design and Analysis of Algorithms – CS8451	01/01/2018
BE	Computer Architecture- CS8491	01/01/2018
BE	Database Management Systems-CS8492	01/01/2018
BE	Software Engineering- CS8494	01/01/2018
BE	Operating Systems-CS8493	01/01/2018
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1.2.2 – Programmes in which Choice Based Credit System (CBCS)/Elective course system implemented at the affiliated Colleges (if applicable) during the academic year.

Name of programmes adopting CBCS	Programme Specialization	Date of implementation of CBCS/Elective Course System
BE	CSE	01/01/2018
BE	EEE	01/01/2018
BE	ECE	01/01/2018
BE	EIE	01/01/2018
BTech	IT	01/01/2018
ME	CSE	01/01/2018

1.2.3 – Students enrolled in Certificate/ Diploma Courses introduced during the year

	Certificate	Diploma Course
Number of Students	1519	0

1.3 – Curriculum Enrichment

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

Value Added Courses	Date of Introduction	Number of Students Enrolled
Machine Learning, ML	25/02/2019	12
Aptitude Training classes by SMART Training Resources for II Year	24/12/2018	53
Aptitude Training classes by SMART Training Resources for III Year	22/12/2018	57
Skillrack Programming Practice	02/07/2019	178
coding PracticeWebinar	13/05/2019	60
RHP	30/11/2018	10
Foreign Language	17/07/2018	2

Infosys Campus Connect	24/07/2018	15
Aptitude Training	19/07/2018	178
Wipro Talent Next Training	21/07/2018	1
Introduction To C Programming	28/10/2018	23
Database Management System	28/10/2018	12
Programming, Data Structures and Algorithms using Python	28/10/2018	13
Cloud Computing	28/10/2018	10
Cryptography and Network Security	28/10/2018	7
Introduction to Internet of Things	10/12/2019	5
Joy of computing using Python	17/12/2019	32
Programming in Java	03/12/2019	8
Machine Learning for Engineering and Science Applications	09/12/2019	9
Guest Lecture Amazon Web Services	24/08/2018	12
Front End Engineering CoE Training – Phase 1	30/11/2018	13
Workshop on Angluar Framework	01/12/2018	13
Salesforce training	30/11/2018	18
Java training	26/11/2018	18
Front End Engineering CoE Training	16/11/2018	13
Salesforce training	02/02/2019	18
Seminar on Full stack development	08/03/2019	13
Front End Engineering CoE Training – Phase 2 (CSS, JS, Angular)	14/06/2019	13
Awareness on Gate Examinations	16/08/2019	10
Mission Possible Interview skill improvement workshop	11/01/2019	60
Business English Certification (2nd year students)	02/07/2018	520
Skill rack Coding	13/05/2019	95

practice Webinar (3rd year students)		
Mission Possible Interview skill improvement workshop (3rd year students)	14/01/2019	121
Factory Automation Programmable Logic Controller Phase 1	16/11/2018	21
Factory Automation Programmable Logic Controller Phase 2	14/06/2019	21
Machine learning for engineering and science applications	02/01/2019	2
Problem solving through programming in C	02/01/2019	1
Introduction to Internet of things	02/01/2019	5
Joy of computing Using Python54	02/01/2019	54
Problem solving through programming in C	07/07/2018	1
Introduction to Programming in C	01/08/2018	1
Circuit theory	01/08/2018	10
Digital Circuits	01/08/2018	10
Electrical machines II	01/08/2018	3
Microprocessor and Microcontroller	01/08/2018	5
Skill rack	01/08/2018	108
JAVA	02/01/2018	190
Japanese	02/07/2018	16
CCNA	02/07/2018	120
RHP	30/11/2018	2
Aptitude Training for Prefinal Year	19/07/2018	193
Building Management System	16/11/2018	27
Factory Automation	16/11/2018	20
Introduction to Programming in C	28/10/2018	45
Problem Solving through Programming in C	28/10/2018	31
Introduction to Internet of Things	28/10/2018	2
Programming, data	07/10/2018	3

structures and algorithms using Python		
Programming in C	07/10/2018	1
Control System Design	28/10/2018	1
Advanced Linear Control System	28/10/2018	1
Machine Learning, ML	28/10/2018	1
Machine Learning for Engineering and Science Applications	28/01/2019	1
Introduction to Internet of Things	28/01/2019	48
Better Spoken English	28/04/2019	5
Problem Solving through Programming in C	28/01/2019	8
Programming, data structures and algorithms using Python	28/01/2019	13
Industrial Automation and Control	28/01/2019	24
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1.3.2 – Field Projects / Internships under taken during the year

Project/Programme Title	Programme Specialization	No. of students enrolled for Field Projects / Internships
BE	CSE	35
BE	EEE	7
BE	ECE	17
BE	EIE	7
BTech	IT	20
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1.4 – Feedback System

1.4.1 – Whether structured feedback received from all the stakeholders.

Students	Yes
Teachers	Yes
Employers	Yes
Alumni	Yes
Parents	Yes

1.4.2 – How the feedback obtained is being analyzed and utilized for overall development of the institution? (maximum 500 words)

Feedback Obtained
The feedback is obtained from the stakeholders namely, students, teachers, alumni, Parents and experts from the industry. Suggestions and comments given by the Stakeholders are incorporated into Overall development of our Institution. Alumni feedback is collected every year during the alumni meet.

Employers feedbacks are collected whenever they visit our campus and through our alumni, who work in the industries. Feedback is also collected from the parents during Parent Teacher Meetings (PTMs) that are organized by each and every department of the college. Students are free to give their feedbacks Through the Class committee Meeting conducted Thrice Per Semester, Online Feedback at the end of the Semester and the subject teachers as well as to the class advisors and Heads of the Departments. The suggestions collected are forwarded to the Chairman of the concerned Board of Studies for consideration and necessary changes. To satisfy the needs of the students, the departments conduct special courses, seminars and lectures beyond the syllabus to meet the demands. To impart the knowledge beyond the content, college invites the alumni, industrial experts and academicians for the conduct of enrichment programmes. Value added courses are modified based on the feedback from stakeholders. For example based on feedback from Infosys and TCS, Campus connects and Campus Commune is regularly organized to enrich the Students skills. The different areas where improvements are required are discussed in respective committees/departments. The proposals given by the different committees and departments are discussed in GB of the college for necessary action. Strengths of the college are also taken into consideration for further up gradation.

CRITERION II – TEACHING- LEARNING AND EVALUATION

2.1 – Student Enrolment and Profile

2.1.1 – Demand Ratio during the year

Name of the Programme	Programme Specialization	Number of seats available	Number of Application received	Students Enrolled
BE	CSE	120	170	119
BE	EEE	120	90	76
BE	ECE	180	200	179
BE	EIE	60	32	30
BTech	IT	60	70	60
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2.2 – Catering to Student Diversity

2.2.1 – Student - Full time teacher ratio (current year data)

Year	Number of students enrolled in the institution (UG)	Number of students enrolled in the institution (PG)	Number of fulltime teachers available in the institution teaching only UG courses	Number of fulltime teachers available in the institution teaching only PG courses	Number of teachers teaching both UG and PG courses
2018	2054	1	125	3	0

2.3 – Teaching - Learning Process

2.3.1 – Percentage of teachers using ICT for effective teaching with Learning Management Systems (LMS), E-learning resources etc. (current year data)

Number of Teachers on Roll	Number of teachers using ICT (LMS, e-Resources)	ICT Toolsand resources available	Number of ICT enabled Classrooms	Numberof smart classrooms	E-resources and techniques used
128	128	16	35	3	42

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

Mentoring provides information, advice and emotional support to our students over a period of time. It encourages the students in order to maximize their potential, to develop their skill set which improve their performance in both academic and extracurricular activities. Maximum 22 students are allotted to each faculty members (Mentors). Students are continuously monitored and motivated by mentors, class advisors, Year coordinators and HOD. Microlevel analyses of the students are done by the mentors by having one to one meetings frequently. So, Mentors are able to create an impact on their students, particularly in their careers. Our Students mentoring strategy facilitates a mentorstudent relationship of mutual respect and transformative guidance, of productivity and mutual reliability.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
2054	128	1:20

2.4 – Teacher Profile and Quality

2.4.1 – Number of full time teachers appointed during the year

No. of sanctioned positions	No. of filled positions	Vacant positions	Positions filled during the current year	No. of faculty with Ph.D
128	128	0	5	43

2.4.2 – Honours and recognition received by teachers (received awards, recognition, fellowships at State, National, International level from Government, recognised bodies during the year)

Year of Award	Name of full time teachers receiving awards from state level, national level, international level	Designation	Name of the award, fellowship, received from Government or recognized bodies
2019	S.Sayeekumar	Assistant Professor	Microprocessors and Microcontrollers EliteSilver EliteSilver(Topper)
2019	S.Karkuzhali	Assistant Professor	Electric Vehicles Part 1 EliteGold(Topper)
2019	R. Dhanalakshmi	Assistant Professor	Electric Vehicles Part 1 EliteSilver(Topper)
2018	Ms.G.Amudha	Associate Professor	Bagged NPTEL Topper Award (Top 5) in the subject Introduction to Internet of Things in the academic year 20182019
2018	Dr. S. Muthusundari	Associate Professor	Reviewer of Papers for the 1st IEEE
2018	Dr. S. Muthusundari	Associate Professor	International Conference on Innovations in Information and Communication Technology IC11CT2019 was organized on 25th and 26th April 2019

			by the Department of Computer Science and Engineering, St Peters College of Engineering and Technology, Chennai.
2018	Dr.P.Usha Rani	Professor	Appreciation for Fostering an Ecosystem Bridging Government, Industry and Academia
2019	Dr. K.K.Thyagharajan	Dean	Appointed as Chairman for ECE board – May 2019.
2019	Dr. K.K.Thyagharajan	Dean	Recognition by Biosystem Engineering (Elsevier SCIE) journal for outstanding contributions in reviewing the research papers.
2019	Dr. K.K.Thyagharajan	Dean	Recognition by Computers and Electronics in Agriculture (Elsevier SCIE) journal for outstanding contributions in reviewing the research papers.
2019	Dr. K.K.Thyagharajan	Dean	Reviewer for "Journal of Network and Computer Applications. Elsevier Publications"
2019	Dr. K.K.Thyagharajan	Dean	Reviewer for "Computer Methods and Programs in Biomedicine. Elsevier Publications"
2019	Dr. K.K.Thyagharajan	Dean	Reviewer for "Computers and Electronics in Agriculture. Elsevier Publications"
2019	Dr. K.K.Thyagharajan	Dean	Reviewer for "Biosystems

Year	Name	Designation	Details
			Engineering, Elsevier Publications".
2019	Dr. K.K.Thyagharajan	Dean	Reviewer for Information Processing Letters, Elsevier Publications.
2018	Dr. K.K.Thyagharajan	Dean	Technical Committee Member for "10th International Conference on Education Technology and Computers. Tokyo Institute of Technology, Japan. ICETC 2018. http://www.icetc.org/com.html http://www.icdle.org/October20Toky o20Conference20Abstract.pdf"
2018	Dr. K.K.Thyagharajan	Dean	Technical Committee Member for "IEEE International Conference on Circuits and Systems in Digital Enterprise Technology Dec. 2018. Kerala. http://www.iccsdet.com/technicalreviewcommitteemembers/"
2018	Dr. K.K.Thyagharajan	Dean	Technical Committee Member for "International Symposium on Computers and Communications" Aug 2018.
2019	Dr. K. HelenPrabha	Professor	Member of Board of Studies for Information and Communication, Anna University
2019	Dr. K. HelenPrabha	Professor	Reviewer for the Journal of Medical and Biological Engineering – Springer.
2018	Dr. D. Sharmila	Associate Professor	Received Mentor award for NPTEL Online course

			"Digital Circuits", JulOct 2018.
2018	Dr. C.Bennila Thangammal	Associate Professor	Received Mentor award for NPTEL Online course "Digital Circuits", JulOct 2018.
2018	Mrs. M. Shakunthala	Assistant Professor	Announced as second learner who has taken most number of NPTEL exams so far in the year 2018.
2018	Mrs. M. Shakunthala	Assistant Professor	Completed NPTEL certification course namely Joy of Computing using PYTHON with GOLD category in Dec 2018
2019	Mrs. M. Shakunthala	Assistant Professor	Completed NPTEL certification course namely Principles of Signals and Systems with SilverTopper (Top 5) category in May 2019
2019	Mrs. M. Shakunthala	Assistant Professor	Received Mentor award for NPTEL Online course "Principles of Signals and Systems", JanApr 2019.
2018	Mr. Ch. Venkatramaiah	Assistant Professor	Announced as second learner who has taken most number of NPTEL exams so far in the year 2018.
2019	Dr. M.N.Vimal Kumar	Assistant Professor	"Outstanding Faculty award in Engineering" from Venus International Foundation, Centre for Advanced Research and Design, at Radha Regent, Chennai on 06.07.2019.
2019	Dr. M.N.Vimal Kumar	Assistant Professor	Completed NPTEL certification course namely Principles of

				Signals and Systems with SilverTopper (Top 5) category in May 2019.
2019	Dr. M.N.Vimal Kumar	Assistant Professor		Received Mentor award for NPTEL Online course "Principles of Signals and Systems", JanApr 2019.
2019	Dr. M.N.Vimal Kumar	Assistant Professor		Received "International Best Researcher in Medical Image Processing", from Rula Award, Research Peace Award of 2019, at Grandeur Hall, Hotel Breeze Residency, Trichy, Tamil Nadu, India on 15th August of 2019.
2019	Dr. M.N.Vimal Kumar	Assistant Professor		Reviewer of Inderscience
2019	Dr. M.N.Vimal Kumar	Assistant Professor		Editor of International Journal of Medical Imaging.
2019	Dr. M.N.Vimal Kumar	Assistant Professor		Member of the Scrutinizing Board of ECE Vel Tech University
2018	Mrs. G. Brenie Sekar	Assistant Professor		Completed NPTEL certification course namely Joy of Computing using PYTHON with GOLD category in Dec 2018.
2019	Mrs. C. Raveena	Assistant Professor		Completed NPTEL certification course namely Joy of Computing using PYTHON with GOLD Topper(Top 1) category in May 2019.
2019	Dr.G.Nalinashini	Associate Professor		Received Elite Certificate for the course "Electric Vehicles I" conducted by NPTEL,

			Funded by the Ministry of HRD, Govt of India.
2019	Mrs.N.Vini Antony Grace	Associate Professor	Received Topper Elite Gold Certificate for the course "Introduction to Internet of Things" conducted by NPTEL, Funded by the Ministry of HRD, Govt of India.
2019	Mrs.N.Padmavathi	Assistant Professor	Received Topper Elite Gold Certificate for the course "Introduction to Internet of Things" conducted by NPTEL, Funded by the Ministry of HRD, Govt of India.
2018	Mrs.N.Padmavathi	Assistant Professor	Received Elite Certificate for the course "Introduction to Smart Grid" conducted by NPTEL, Funded by the Ministry of HRD, Govt of India.
2019	Mrs.N.Padmavathi	Assistant Professor	Received Mentor Certificate from Anna University, CEG Campus
2019	Mr.M.Aravindan	Assistant Professor	Mentorship Certificate for Project titled " Digital Twin Pump" Mitsubishi Electric Cup organized by Mitsubishi Electric India
2019	Ms.A.Sowmiya	Assistant Professor	Received Elite Gold Certificate for the course "Introduction to Internet of Things" conducted by NPTEL, Funded by the Ministry of HRD, Govt of India.
2018	Dr.K.Balasubadra	Professor	Member of Board of Studies for

			Information and Communication, Anna University.
2019	Dr.K.Balasubadra	Professor	Conference Chair(International Conference on Cyber Physical Systems)
2018	Dr.R.Jothilakshmi	Associate Professor	Received Topper (1) Elite Gold Certificate for the course "Programming in Java" conducted by NPTEL, Funded by the Ministry of HRD, Govt of India.
2018	Dr.S.Thangaramya	Associate Professor	Received Topper Elite Certificate for the course "Introduction to Programming in C" conducted by NPTEL, Funded by the Ministry of HRD, Govt of India.
2018	D.Praveena	Assistant Professor	Received Topper (1) Elite Certificate for the course "Introduction to Programming in C" conducted by NPTEL, Funded by the Ministry of HRD, Govt of India.
2018	Dr.R.Jothilakshmi	Associate Professor	Received Mentor award for NPTEL Online course "Programming in Java"
2018	Dr.P.M.Joe Prathap	Associate Professor	Reviewer for "Journal of Cluster Computing"
2018	Dr.P.M.Joe Prathap	Associate Professor	Reviewer for "Journal of Recent Patents on Computer Science".
2018	Dr.P.M.Joe Prathap	Associate Professor	Reviewer for International Journal of Engineering Research Technology (IJERT)
2018	Dr.P.M.Joe Prathap	Associate Professor	International Journal of Systems and Software

2018	Dr.V.Prasanna Srinivasan	Associate Professor	Reviewer for "Journal of Circuit Systems and omputers"
2018	Dr.V.Prasanna Srinivasan	Associate Professor	Reviewer for "Journal of Information Technology and Control"
2018	J.C.Kavitha	Assistant Professor	Received Topper Elite Certificate for the course " Big Data Computing" conducted by NPTEL, Funded by the Ministry of HRD, Govt of India.
2019	Ms.Shuba V.	Associate Professor	Certificate of Excellence for Best Oral Presentation Award for the paper titled "Molecular Interaction Studies of Benzoic Acid and substituted Benzoic Acids in Dioxane water mixtures for its sustainability Usage in Chemical Industries" by Saveetha
2019	J.Sumithra	Associate Professor	Received Mentor Award for the Course Circuit Theory
2019	J.Jayaudhaya	Associate Professor	Microprocessors and Microcontrollers EliteSilver

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2.5 – Evaluation Process and Reforms

2.5.1 – Number of days from the date of semester-end/ year- end examination till the declaration of results during the year

Programme Name	Programme Code	Semester/ year	Last date of the last semester-end/ year-end examination	Date of declaration of results of semester-end/ year- end examination
BE	104	I/I	11/01/2019	14/02/2019
BE	106	I/I	11/01/2019	14/02/2019
BE	105	I/I	11/01/2019	14/02/2019

BE	107	I/I	11/01/2019	14/02/2019
BTech	205	I/I	11/01/2019	14/02/2019
BE	104	II/I	18/05/2019	26/06/2019
BE	106	II/I	21/05/2019	23/06/2019
BE	105	II/I	22/05/2019	23/06/2019
BE	107	II/I	22/05/2019	23/06/2019
BTech	205	II/I	20/05/2019	23/06/2019
BE	104	III/II	15/11/2018	14/02/2019
BE	106	III/II	15/11/2018	14/02/2019
BE	105	III/II	15/11/2018	14/02/2019
BE	107	III/II	15/11/2018	14/02/2019
BTech	205	III/II	15/11/2018	14/02/2019
BE	104	IV/II	22/05/2019	26/06/2019
BE	106	IV/II	22/05/2019	23/06/2019
BE	105	IV/II	22/05/2019	23/06/2019
BE	107	IV/II	22/05/2019	23/06/2019
BTech	205	IV/II	22/05/2019	23/06/2019
BE	104	V/III	29/11/2018	14/02/2019
BE	106	V/III	29/11/2018	14/02/2019
BE	105	V/III	28/11/2018	14/02/2019
BE	107	V/III	29/11/2018	14/02/2019
BTech	205	V/III	29/11/2018	14/02/2019
BE	104	VI/III	04/05/2019	26/06/2019
BE	106	VI/III	02/05/2019	23/06/2019
BE	105	VI/III	29/04/2019	23/06/2019
BE	107	VI/III	08/05/2019	23/06/2019
BTech	205	VI/III	04/05/2019	23/06/2019
BE	104	VII/IV	29/11/2018	14/02/2019
BE	106	VII/IV	23/11/2018	14/02/2019
BE	105	VII/IV	30/11/2018	14/02/2019
BE	107	VII/IV	27/11/2018	14/02/2019
BTech	205	VII/IV	27/11/2018	14/02/2019
BE	104	VIII/IV	29/04/2019	22/05/2019
BE	106	VIII/IV	29/04/2019	22/05/2019
BE	105	VIII/IV	29/04/2019	22/05/2019
BE	107	VIII/IV	29/04/2019	22/05/2019
BTech	205	VIII/IV	29/04/2019	22/05/2019
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2.5.2 – Reforms initiated on Continuous Internal Evaluation(CIE) system at the institutional level (250 words)

In order to achieve the quality in conducting the continuous assessments, and

Examination cell Committee is formed with a convener along with the members of all departments. Examination Cell prepares annual plan, which indicates the time schedule for all activities like „Date of announcement? of tests/exams, „Deadline for Question paper submission?, „Preparation of seating plan, Invigilation duty and Question Paper/Answer books?, „Conduction of invigilation duty, distribution of Question paper answer books, collection of answer books?, Deadline for paper evaluation and Deadline for mark distribution to the HOD. Smart Picking tool is used for preparation of Internal Assessment and Model question papers. The question paper settings are done at different cognitive levels of Bloom's Taxonomy. Online Multiple Choice Questions Tests are Conducted Periodically through Skill rack Portal Central valuation is conducted for Model Examinations Students are assessed throughout the semester through tests, tutorials, assignments and laboratory classes. Course plan progress is reviewed periodically before every internal assessment test in the class committee meetings. Class tests are conducted to improve the academic performance of the students. Project guides are allotted based on the area of the interest of the students. Slow learners are identified based on their academic performance and remedial classes are conducted to improve their performance. Students are given the opportunity to rectify their doubts during the noncontact hours of the faculty on all working days. The institution encourages students to undergo inplant training, miniprojects, and Industrial visit.

2.5.3 – Academic calendar prepared and adhered for conduct of Examination and other related matters (250 words)

The institutions academic calendar for each semester is designed to meet university academic schedule and distributes it to the students at the time of their admission in the college and the academic session 201819. The Academic calendar is also distributed among all teaching nonteaching staff of the college. The academic calendar contains the yearly schedule of the college ranging from the list of holidays (National level holidays, State level holidays, Local holidays and the Institutional holidays), date schedule of the college Internal assessment examinations and End Semester Examinations . The tentative dates of Career Development Training Programmes for the Placement, Co Curricular Activities and Extra Curricular Activities are also mentioned in the academic calendar.

2.6 – Student Performance and Learning Outcomes

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

https://rmd.ac.in/dept/cse/peo.html

2.6.2 – Pass percentage of students

Programme Code	Programme Name	Programme Specialization	Number of students appeared in the final year examination	Number of students passed in final year examination	Pass Percentage
104	BE	CSE	115	114	99.13
105	BE	EEE	134	113	84.3
106	BE	ECE	193	176	91.19
107	BE	EIE	58	56	96.55
205	BTech	IT	60	60	100
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2.7 – Student Satisfaction Survey

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

https://rmd.ac.in/feedback.pdf

CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION

3.1 – Resource Mobilization for Research

3.1.1 – Research funds sanctioned and received from various agencies, industry and other organisations

Nature of the Project	Duration	Name of the funding agency	Total grant sanctioned	Amount received during the year
Major Projects	1825	IEDC, DST	4300000	800000
Minor Projects	1825	MSME, Ministry of MSME, GOI	15000000	0
Industry sponsored Projects	72	Mitsubishi Electric India Pvt. Ltd	10000	10000
Students Research Projects (Other than compulsory by the University)	365	DST, IEDC	500000	500000
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3.2 – Innovation Ecosystem

3.2.1 – Workshops/Seminars Conducted on Intellectual Property Rights (IPR) and Industry-Academia Innovative practices during the year

Title of workshop/seminar	Name of the Dept.	Date
Guest Lecture on "Interview Preparations"	EIE	24/07/2018
Guest Lecture on "Industrial Internet of Things (IoT)"	EIE	07/08/2018
Guest Lecture on "Overview on AutotronicsAdvanced And Future Development of Vehicles"	EIE	11/08/2018
CDAC Training Programme	EIE	05/07/2018
Guest Lecture on "Scope of Building Automation Engineers"	EIE	09/03/2019
Guest Lecture on "Automotive Electronics"	EIE	11/08/2018
Special Lecture on "Career Opportunities for Engineers in Petrochemical Industries"	EIE	04/01/2019
Embedded Systems –	EIE	22/02/2019

Industry perspective		
Guest Lecture : "Amazon Web Services"	IT	24/08/2018
Work shop on " Java, Bootstrap, Wireframes"	IT	30/11/2018
Workshop on "Angluar Framework"	IT	01/12/2018
Salesforce training	IT	30/11/2018
Seminar on "Cloud Computing"	IT	01/09/2018
Java training	IT	26/11/2018
Work shop on "Angular frame work"	IT	16/11/2018
Sales force training	IT	02/02/2019
Seminar on "Cloud Computing"	IT	15/02/2019
Seminar on "Full stack development"	IT	08/03/2019
Workshop on "Java script, CSS and Angular"	IT	14/06/2019
Two Days National Seminar on Machine Learning with Hands on Workshop using WEKA tool R Programming	CSE	17/06/2019
Data Analytics	CSE	22/02/2019
Rapid Software Development using Agile Methodology	CSE	16/02/2019
Education in Australia	CSE	23/01/2019
Enterprise Artificial Intelligence (AI) Services	CSE	12/01/2019
SIEM and Application Security Essentials	CSE	01/01/2019
Security Incident and Event Management	CSE	22/12/2018
Employment and Placement Opportunities	CSE	20/12/2018
Demo of their product Crux IQ	CSE	05/12/2018
AI Applications: 1.identifying occupancy in the theatre in darkness 2. automatic generation of movie reviews	CSE	01/12/2018
Artificial Intelligence in Chatbot Development	CSE	10/10/2018

Object Oriented Programming	CSE	04/10/2018
Resource Management Techniques	CSE	03/10/2018
Employment and Placement Opportunities	CSE	29/09/2018
Dev Ops Transformation	CSE	22/09/2018
Software Development using Agile Methodology	CSE	21/09/2018
Web Application Development	CSE	20/09/2018
Internet of Things	CSE	20/07/2018
Object Oriented Programming	CSE	04/10/2018
5 Days NIELIT PhaseII Training (Automotive Electronics CoE)	ECE, EEE, EIE	14/06/2019
5 Days NIELIT PhaseII Training (Automotive Electronics CoE)	ECE, EEE, EIE	07/01/2019
5 Days NIELIT PhaseI Training (Automotive Electronics CoE)	ECE, EEE, EIE	30/11/2018
One Day Guest Lecture on Overview on AutotronicsADVANCED Future Development of Vehicles (Automotive Electronics CoE)	ECE, EEE, EIE	11/08/2018
C Programming Assessment Technical Mock Interview (Automotive Electronics CoE)	ECE, EEE, EIE	07/07/2018
One Day WebEx Meeting (KPIT Technologies Ltd.)	ECE, EEE, EIE	26/06/2018
3 Days Automation using Embedded C	ECE, EEE, EIE	24/05/2018
5 Days BOSCH Automotive Joint Certification Training Program	EEE	03/06/2019
4 Days CDAC Module – SlotI Training (Embedded Systems CoE)	ECE, EEE, EIE	03/01/2019
7 Days CDAC Final Module Training (Embedded Systems CoE)	ECE, EEE, EIE	07/08/2018
Virtusa Data Science Recruits Python ModuleI Training	CSE, ECE, EEE, EIE, IT	28/09/2018

Virtusa Data Science Recruits Module4 Training	CSE, ECE, EEE, EIE, IT	22/02/2019
One Day Guest Lecture on Emerging Trends in Information and Communication Technologies (Wipro Telecomm CoE)	ECE	23/02/2019
One Day Guest Lecture on Digital Transformation in Telecommunications (Wipro Telecomm CoE)	ECE	16/02/2019
5 Days PhaseI Training (Wipro Telecomm CoE)	ECE	30/11/2018
One Day Guest Lecture on Opportunities in Telecom industry conducted by Wipro Technologies (Wipro Telecomm CoE)	ECE	05/09/2018
Seminar session in the topic of "Integrators Perspective on TELECOM" conducted by Cognizant (Wipro Telecomm CoE)	ECE	10/08/2018
Workshop on Logic Design and Computer Organization Virtual Lab	ECE	30/01/2019
Inauguration of "Student's association and ISOI student chapter"	EIE	05/07/2018
National Conference on "Measurements, Automation Control" (NCMAC'19)	EIE	02/04/2018
Guest Lecture on "Building Management System"	EIE	09/07/2018

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

Title of the innovation	Name of Awardee	Awarding Agency	Date of award	Category
Food and Public Distribution	Madhuvanthi Hemanathan, , Suthandira SM, Jeevitha M, Akash N, Chetan A	Ministry of Consumer Affairs, Food and Public Distribution	31/03/2018	2nd Runner up in Software Edition of SMART INDIA HACKATHON 2018
Clean Water Theme	Ms. G. R. Aishwarya , Mr. S. Sridharan, Mr. B. Vishnu , Mr. K. Ganesh, Ms. Aishwaryah Ilankumaran, Mr. Mavuluru	MHRD	22/06/2018	Smart India Hackathon 2018, Hardware Edition

| Digital twin of Pump | Mrs.G.Karthika, A.Kayelvili, Prashaanti Jayaraman, P.Saranya, D.Vaishali | Mitsubishi Electric India Pvt. Ltd | 06/02/2019 | Corporate Contest Fifth Appreciation Award Rs.10,000 |
| Digital twin of Centrifugal Pump | Mrs.G.Karthika, A.Kayelvili, PrashaantiJayaram an, P.Saranya, D.Vaishali, V.Muthappan, G.Yokesh | BITS PILANI | 31/03/2019 | APOGEE 2019 National level Project contest. 2nd Prize Rs.30,000 |

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

Incubation Center	Name	Sponsored By	Name of the Start-up	Nature of Start-up	Date of Commencement
0	0	0	0	0	27/12/2019

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3.3 – Research Publications and Awards

3.3.1 – Incentive to the teachers who receive recognition/awards

State	National	International
0	0	0

3.3.2 – Ph. Ds awarded during the year (applicable for PG College, Research Center)

Name of the Department	Number of PhD's Awarded
CSE	12

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

Type	Department	Number of Publication	Average Impact Factor (if any)
International	CSE	2	6.1
International	EEE	9	4.61
International	ECE	16	3
International	EIE	10	1.5
International	IT	10	1.8
International	SH	25	1.8

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3.3.4 – Books and Chapters in edited Volumes / Books published, and papers in National/International Conference Proceedings per Teacher during the year

Department	Number of Publication
CSE	2
ECE	17
IT	4

SH				19		

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3.3.5 – Bibliometrics of the publications during the last Academic year based on average citation index in Scopus/ Web of Science or PubMed/ Indian Citation Index

Title of the Paper	Name of Author	Title of journal	Year of publication	Citation Index	Institutional affiliation as mentioned in the publication	Number of citations excluding self citation
An effective cluster based data dissemination in a hybrid cellular ad hoc network	Dr.R.Sasikumar, Mr.M. Rajkumar	Concurrency and Comp utation Practice E xperience, Wiley	2018	1	Yes	1

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3.3.6 – h-Index of the Institutional Publications during the year. (based on Scopus/ Web of science)

Title of the Paper	Name of Author	Title of journal	Year of publication	h-index	Number of citations excluding self citation	Institutional affiliation as mentioned in the publication
An effective cluster based data dissemination in a hybrid cellular ad hoc network	Dr.R.Sasikumar, M. Rajkumar	Concurrency and Comp utation Practice E xperience, Wiley	2018	60	1	YES

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

Number of Faculty	International	National	State	Local
Attended/Seminars/Workshops	0	49	17	97
Presented papers	22	10	0	0
Resource persons	1	0	7	6

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3.4 – Extension Activities

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

Title of the activities	Organising unit/agency/ collaborating agency	Number of teachers participated in such	Number of students participated in such

		activities	activities
NSS Inauguration Orientation programme	NSS RMDEC Anna University, Chennai.	8	120
Blood Donation Camp	NSS RMDEC M/S RIGHT Hospitals, Kilpauk, Chennai10.	18	110
Eco Club Awareness on Environmental protection	ECO Club RMDEC Toshiba JSW Power Systems Pvt.Ltd, Chennai.	8	150
Blood Donation Camp	YRC RMDEC M/S RIGHT Hospitals, Kilpauk, Chennai10.	12	165
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 3.4.2 – Awards and recognition received for extension activities from Government and other recognized bodies during the year

Name of the activity	Award/Recognition	Awarding Bodies	Number of students Benefited
Youth Red Cross	Certificate of Appreciation	Indian Red Cross Society, Tamil Nadu	100
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 3.4.3 – Students participating in extension activities with Government Organisations, Non-Government Organisations and programmes such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the year

Name of the scheme	Organising unit/Agency/collaborating agency	Name of the activity	Number of teachers participated in such activites	Number of students participated in such activites
Swachh Bharat Summer Internship 2018	Government Organization	Swachh Bharat Summer Internship 2018	2	36
Swachh Bharat Mission (Gramin)	Government Organization	Swachh Bharat Mission (Gramin)	2	5
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3.5 – Collaborations

3.5.1 – Number of Collaborative activities for research, faculty exchange, student exchange during the year

Nature of activity	Participant	Source of financial support	Duration
0	0	0	0
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 3.5.2 – Linkages with institutions/industries for internship, on-the- job training, project work, sharing of research facilities etc. during the year

Nature of linkage	Title of the linkage	Name of the partnering institution/ industry /research lab with contact details	Duration From	Duration To	Participant

Internship	Internship	INFOSYS	24/12/2018	06/04/2019	ABINANTHAN K V
Job Training	CoE Phase 1 training	NIELIT	14/06/2019	19/06/2019	III Year Automotive Electronics CoE students
Certificate Course	C and Data Structure	CDAC	05/07/2018	11/07/2018	C. PRIYADHAR SHINI
Training Program	CoE Staff Training	BOSCH Automotive Joint Certification Program	03/06/2019	07/06/2019	Mr. R. SURESH

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3.5.3 – MoUs signed with institutions of national, international importance, other universities, industries, corporate houses etc. during the year

Organisation	Date of MoU signed	Purpose/Activities	Number of students/teachers participated under MoUs
APOLLO SHINE FOUNDATION	01/06/2018	Training and Placement	25
NUCLEUS SATELLITE COMMUNICATIONS MADRAS PVT. LTD.	08/01/2019	Training and Placement	35
HCL TECHNOLOGIES LTD	09/09/2019	Training and Placement	50
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CRITERION IV – INFRASTRUCTURE AND LEARNING RESOURCES

4.1 – Physical Facilities

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

Budget allocated for infrastructure augmentation	Budget utilized for infrastructure development
7850000	9391818

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Campus Area	Existing
Class rooms	Existing
Laboratories	Existing
Seminar Halls	Existing
Classrooms with LCD facilities	Existing
Seminar halls with ICT facilities	Existing
Video Centre	Existing
Others	Newly Added

4.2 – Library as a Learning Resource

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

Name of the ILMS software	Nature of automation (fully or patially)	Version	Year of automation
AutoLib Library Software	Fully	5.2	2005

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	54308	10878638	1484	386919	55792	11265557
Reference Books	2697	1536246	21	13747	2718	1549993
e-Books	10955	11500	0	13570	10955	25070
Journals	66	162670	0	162457	66	325127
e-Journals	579	838186	0	737261	579	1575447
Digital Database	6	849686	0	750831	6	1600517
CD & Video	6649	11877	0	0	6649	11877
Library Automation	1	41680	0	0	1	41680
Weeding (hard & soft)	19	4670	2	370	21	5040

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4.2.3 – E-content developed by teachers such as: e-PG- Pathshala, CEC (under e-PG- Pathshala CEC (Under Graduate) SWAYAM other MOOCs platform NPTEL/NMEICT/any other Government initiatives & institutional (Learning Management System (LMS) etc

Name of the Teacher	Name of the Module	Platformon which module is developed	Date of launching e-content
Dr.K.K.Thyagarajan	Multiple Choice Questions on Electronic Circuits II	Skill Rack	07/02/2019
Dr.M.N.VimalKumar	Multiple Choice Questions on Signals and Systems	Lecture Notes	28/07/2018
Dr.A.Chilambuchelvan	Microprocessor and Microcontroller	Lecture Notes	05/01/2019
Dr.V.Prasanna Srinivasan	Data Structures	Lecture Notes	09/07/2018
Dr.M.A.Berlin	DBMS, DPSD	Skill Rack	11/12/2018
Mr.R.Suresh	EDC	Skill Rack	12/12/2018

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4.3 – IT Infrastructure

4.3.1 – Technology Upgradation (overall)

Type	Total Computers	Computer Lab	Internet	Browsing centers	Computer Centers	Office	Departments	Available Bandwidth	Others

								(MGBPS)	
Existing	**569**	**569**	**310**	**0**	**0**	**0**	**0**	**310**	**0**
Added	**100**	**100**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Total	**669**	**669**	**310**	**0**	**0**	**0**	**0**	**310**	**0**

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

310 MBPS/ GBPS

4.3.3 – Facility for e-content

Name of the e-content development facility	Provide the link of the videos and media centre and recording facility
Smart Class Room	**helenprabha.blogspot.com**
Digital Camera with stand	**kkthyaharajan.blogspot.in**
Microphone and Speakers	**drdrukmanidevi.blogspot.com**
Blogs	**chill97.blogspot.com**
Youtube Videos and PPT	**https://rmd.ac.in/dept/it/lecturelinks.html**
Youtube Videos and PPT	**https://rmd.ac.in/dept/it/notes.html**
Youtube Videos and PPT	**https://rmd.ac.in/dept/eee/notes1.html**
Youtube Videos and PPT	**https://rmd.ac.in/dept/eee/owm.html**
Youtube Videos and PPT	**https://.rmd.ac.in/dept/eee/videolectures.html**
Youtube Videos and PPT	**https://rmd.ac.in/dept/eie/notes.html**
Developing EContent through Studio	**https://rmd.ac.in/dept/eie/youtubematerial.html**
Youtube Videos and PPT	**https://rmd.ac.in/dept/cse/youtubematerial.html**
Youtube Videos and PPT	**https://rmd.ac.in/dept/cse/notes.html**
Youtube Videos and PPT	**https://rmd.ac.in/dept/snh/youtubematerial.html**

4.4 – Maintenance of Campus Infrastructure

4.4.1 – Expenditure incurred on maintenance of physical facilities and academic support facilities, excluding salary component, during the year

Assigned Budget on academic facilities	Expenditure incurred on maintenance of academic facilities	Assigned budget on physical facilities	Expenditure incurredon maintenance of physical facilites
28155000	**31322235**	**41800000**	**40064785**

4.4.2 – Procedures and policies for maintaining and utilizing physical, academic and support facilities - laboratory, library, sports complex, computers, classrooms etc. (maximum 500 words) (information to be available in institutional Website, provide link)

Individual departments are allocated with the supervisors to monitor the maintenance of the infrastructure, facilities and equipment of the college. Surveillance camera besides physical security Centralized water and power supply is monitored by qualified technicians Electrical Security Systems with automation and proper earth connection The tallest building structures are installed with lighting arresters and its earth resistance is ensured once in 6

months. Proper earth connections are provided for all electrical installations in the campus with earth resistance of 0.5?, and checked once in 6 months. Fire extinguishers of various types like CO2, ABC W/ CO2 are installed at appropriate places in the campus and checked periodically. Safety charts and instructions are kept in appropriate places in the campus. Electrical installations in the Institution are regularly inspected by the Electrical Inspector from the Electrical Inspectorate, Government of Tamil Nadu, according to Rule 46 of Indian Electricity Rules 1956 once in a year. Lab Equipment : An annual maintenance scheme includes regular service by the concerned manufactures and service engineers. In case of emergency immediate solution is rendered by service personnel. Necessary precautions are taken to upkeep and maintain sensitive equipment's inside the campus. Qualified technicians are employed to handle any kind of unforeseen situations like personal accidents and fire accidents. Stock registers and service requests are maintained using software and registers. Voltage stabilizers and UPS are provided to ensure uninterrupted power supply. Water supply provision is made available near the required equipment's/lab and 24 hour water supply is ensured. Periodic maintenance and calibration of the equipment from suppliers is made on demand or by AMC. Equipped with windows and lighting for fatigue free working.

https://rmd.ac.in/

CRITERION V – STUDENT SUPPORT AND PROGRESSION

5.1 – Student Support

5.1.1 – Scholarships and Financial Support

	Name/Title of the scheme	Number of students	Amount in Rupees
Financial Support from institution	Fee Waiver	10	549400
Financial Support from Other Sources			
a) National	First Graduate Students, BC/MBC/SC/ST Scholarship/SCC	654	13339770
b)International	0	0	0
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5.1.2 – Number of capability enhancement and development schemes such as Soft skill development, Remedial coaching, Language lab, Bridge courses, Yoga, Meditation, Personal Counselling and Mentoring etc.,

Name of the capability enhancement scheme	Date of implemetation	Number of students enrolled	Agencies involved
Soft Skill Development	24/07/2018	2053	6
Remedial Coaching	17/07/2018	175	0
Bridge courses	28/08/2018	463	0
Yoga,MEDITATION	21/06/2019	83	1
LANGUAGE LAB	02/07/2018	536	1
Personal Counselling and Mentoring	02/07/2018	1503	0
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Year	Name of the scheme	Number of benefited students for competitive examination	Number of benefited students by career counseling activities	Number of students who have passedin the comp. exam	Number of studentsp placed
2018	Competent profile building for higher studies a brief workshop on quants and verbal aptitude CAT examinations	15	0	0	0
2018	Education in USA	10	2	2	2
2018	GRE Examinations	12	1	1	1
2018	Education in Australia	14	1	1	1
2018	Education in Binghamton University	8	2	2	2
2018	Selection of universities and requirements for admissions into top ranked US universities	10	2	2	2
2018	Education fair	15	2	2	2
2019	Selection of Universities and Requirements for Admissions Into Top Rank Us Universities	1	1	1	1
2019	Education In Australia	1	1	1	1
2019	IDP Australian Fair	1	1	1	1

5.1.3 – Students benefited by guidance for competitive examinations and career counselling offered by the institution during the year

2019	New Zealand Educational Fair	1	1	1	1
2018	Education in abroad	26	119	4	97
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5.1.4 – Institutional mechanism for transparency, timely redressal of student grievances, Prevention of sexual harassment and ragging cases during the year

Total grievances received	Number of grievances redressed	Avg. number of days for grievance redressal
0	0	0

5.2 – Student Progression

5.2.1 – Details of campus placement during the year

On campus			Off campus		
Nameof organizations visited	Number of students participated	Number of stduents placed	Nameof organizations visited	Number of students participated	Number of stduents placed
SOLITON TECHNOLOGY PVT LTD	98	1	ZOHO CORPORATION PVT LTD (ENRICH)	14	3
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5.2.2 – Student progression to higher education in percentage during the year

Year	Number of students enrolling into higher education	Programme graduated from	Depratment graduated from	Name of institution joined	Name of programme admitted to
2018	9	BE	CSE	University of Leicester	MS
2018	9	BE	CSE	Universitu of Texas Arlington	MS
2019	9	BE	CSE	Panimalar Engineering College	MBA
2019	9	BE	CSE	Sri Siva Sub ramaniyaNada r College of Engineering	MBA
2018	9	BE	CSE	Rhine -Waal University of Applied Sciences	MS
2018	9	BE	CSE	JD Institute of Fashion T echnology,Ba ngalore	Fashion Designing
2018	9	BE	CSE	University	MBA

				of Petroleum and Energy studies, Dehra Dun	
2019	9	BE	CSE	James Cook University Pte Ltd, Australia	MS
2019	9	BE	CSE	Mc Master University,USA	MS
2018	9	BE	EEE	Bridge Port University, USA.	Masters In Electrical Engineering
2018	9	BE	EEE	University of Florida, USA	Masters in industrial engineering
2018	9	BE	EEE	University of bremen, germany.	Masters In Electrical Engineering
2018	9	BE	EEE	University of windsor, Canada	Masters In Electrical Engineering
2018	9	BE	EEE	New Jersey Institute of Technology	Masters In Electrical Engineering
2019	9	BE	EEE	University of Adelaide, Australia	Masters In Electrical Engineering
2019	9	BE	EEE	ST.Joseph's College of Engineering	ME
2019	9	BE	EEE	Anna University	ME
2018	38	BE	ECE	Shailesh J. Mehta School of Management, IIT Bombay	MS
2018	38	BE	ECE	Deakin University, Deakin	MS
2018	38	BE	ECE	La Trobe University, Victoria , Australia	MS
2018	38	BE	ECE	Concordia University, Canada	MS
2018	38	BE	ECE	Charles Stuart University,	MS

				Australia	
2018	38	BE	ECE	UNSW, Sydney	MS
2018	38	BE	ECE	University of California, Riverside	MS
2018	38	BE	ECE	University of Windsor, Canada	MS
2018	38	BE	ECE	University of Limerick, Ireland	ME
2018	38	BE	ECE	Brock University, Canada	MBA
2018	38	BE	ECE	California State University,	MS
2019	38	BE	ECE	Portland State University, Oregon	MS
2019	38	BE	ECE	The University of Missouri-Kansas City	MS
2019	38	BE	ECE	Dalhousie University, Canada	MS
2019	38	BE	ECE	Lake Head University, Canada	MS
2019	38	BE	ECE	Manipal School of Banking, Baroda	MS
2019	38	BE	ECE	La Trobe University, Australia	MS
2019	38	BE	ECE	Eindhoven University of Technology, Netherlands	MS
2019	38	BE	ECE	Dublin Business School,	MBA
2019	38	BE	ECE	Nanyang Technological University	MS
2019	38	BE	ECE	Illinois	MS

2018	3	BE	EIE	Deakin University, Melbourne	MS
2018	3	BE	EIE	California State University	MS
2018	3	BE	EIE	VIT University, Chennai	MTECH
2018	8	BTECH	IT	Lingesh, Saveetha School of Management	MBA
2018	8	BTECH	IT	Chekuru Venkatesh, KL university	MTECH
2019	8	BTECH	IT	Yaswanth Nagasai, Con federation College, Thunder Bay, Ontario,Cana da.	MS
2019	8	BTECH	IT	Deva P, University of Dayton, Ohio, USA.	MS
2019	8	BTECH	IT	Balaji M., University of Greenwich , UK.	MS
2019	8	BTECH	IT	Suryaprakasa m V, University of Liverpool, UK.	MS
2019	8	BTECH	IT	Nuthala pati Deepika , Centre for Development of Advanced Computing	PGDIPLOMA
2019	8	BTECH	IT	Santhanosa A, SRM university	MBA
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 5.2.3 – Students qualifying in state/ national/ international level examinations during the year
(eg:NET/SET/SLET/GATE/GMAT/CAT/GRE/TOFEL/Civil Services/State Government Services)

Items	Number of students selected/ qualifying
GATE	1
GMAT	1
CAT	1
GRE	7
Any Other	15
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5.2.4 – Sports and cultural activities / competitions organised at the institution level during the year

Activity	Level	Number of Participants
CHESS	Institution Level	60
CARROM	Institution Level	60
BADMINTON	Institution Level	60
TENNIS	Institution Level	60
TABLE TENNIS	Institution Level	60
BALL BADMINTON	Institution Level	100
VOLLEY BALL	Institution Level	120
CRICKET	Institution Level	160
BASKET BALL	Institution Level	120
RELAY 100M,200M,400M,800M,1500M	Institution Level	30
LONG JUMP,TRIPLE JUMP	Institution Level	30
SHOTPUT THROW	Institution Level	30
DISCUSS THROW	Institution Level	30
JAVELIN THROW	Institution Level	30
SepakTakraw	Inter Zone Competition	1
SepakTakraw	All India Inter University	1
Basketball Team	Anna University Zone1 Tournament	3
Tennis Team	Anna University Zone1 Tournament	1
Chess	Anna University Zone1 Tournament	2
Badminton Team	Anna University Zone1 Tournament	1
Basket Ball Team	Anna University Zone1 Tournament	3
Volley Ball	Anna University Zone1 Tournament	5
ATHLETICS	Anna University Zone1 Tournament	12
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5.3 – Student Participation and Activities

5.3.1 – Number of awards/medals for outstanding performance in sports/cultural activities at national/international level (award for a team event should be counted as one)

Year	Name of the award/medal	National/ Internaional	Number of awards for Sports	Number of awards for Cultural	Student ID number	Name of the student
2018	FIRST	National	1	0	111515104118	Yukesh N
2018	FIRST	National	1	0	111518105075	Udhayakumar.M
2018	FIRST	National	1	0	111516106001	Aakash Ram S
2018	FIRST	National	0	1	111516106156	Theja Kumar M
2019	FIRST	National	0	1	111516106001	Aakash Ram S
2019	FIRST	National	0	1	111516106022	Bernice
2019	FIRST	National	0	1	111516106131	Rudhraraju Harshavarma a

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5.3.2 – Activity of Student Council & representation of students on academic & administrative bodies/committees of the institution (maximum 500 words)

Response: The institution has avenues for active participation of students on academic and administrative committees. The senior students involve themselves in the teams which give orientation to the new comers every year. The Institution conducts department wise students meeting in the beginning of every semester where a team of 6 students from each class participate and give their feedback on their academic needs. Enthusiastic participation of students in the activities of National Service Scheme (NSS) and Youth Red Cross (YRC) in the college gives them a sense of social responsibility. Participation of students in the activities of CTS Club, Developer Students Club and Coding Club helps to enhance their technical skills. The college has the chapters of Professional Societies, namely, Computer Society of India (CSI), Indian Society for Technical Education (ISTE), Institute of Electronics and Telecommunication Engineers (IETE), Institute of Electrical and Electronics Engineers (IEEE), and Instrument Society of India (ISOI). The activities of these chapters are solely conducted by office bearers of these societies consisting only students members. The student members involve in the societies form working groups to carry out activities such as ? Students Association Inauguration ? National Level Technical Symposium ? National Conference ? Intra Department Paper and Mini Project Expo Departmental Association Activities The students are also involved in various academic and administrative bodies of the institution such as Class and Department Advisory Committee Planning and Evaluation Committee Student Welfare Extra Curricular Activities Committee Academic council – Student members Hostel Committee Antiragging Committee Response: The institution created a platform for the active participation of the students in the various academic activities. Participating in such activities nurtures leadership skills and team spirit in the students. This empowers the students in obtains leadership qualities, and execution skills. IQAC The institution's IQAC is to develop a system for conscious, consistent and catalytic action to

improve the academic and administrative performance of the institution. So it helps to project the quality education policies adopted by the college among the student community and also help in projecting the student view point while taking any decision. Women Empowerment Cell The institution has constituted a committee for Women Empowerment based on the guidelines and directions framed by Anna University Chennai regarding the security arrangement for Girl students and Women Staff in the College campus. Language Extracurricular activities club The institution provides special language classes for the students to enhance language creative skills to gain placements. The students are actively involved in the extracurricular activities to conduct the social awareness programmes through the NATIONAL SERVICE SCHEME (NSS), ECO club and YOUTH RED CROSS activities. Class Committee The class committee consists of students from topper, average and slow learner categories from First Year to Final Year. It comprises of faculty and students. It is responsible for evaluation of the academic performance of students. The objective of this committee is to ensure that the students are satisfied in their Teaching Learning process.

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

Yes

5.4.2 – No. of enrolled Alumni:

1464

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

1475000

5.4.4 – Meetings/activities organized by Alumni Association :

2

CRITERION VI – GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 – Institutional Vision and Leadership

6.1.1 – Mention two practices of decentralization and participative management during the last year (maximum 500 words)

Response: From inception, college functions through delegation of powers. The head of the institution (The Principal) in consultation with the Managing Trustee of RMDEC charities, who is the Chairman of the Governing Council plans the activities for the year and a few more years (like a short term plan of 34 years) after the approval of Governing Council. Through very clear deliberations with Heads of the Departments the action plan is prepared which is transferred to the departments for implementation supported with adequate finance and infrastructure. All the developments of the college are achieved in this mode. Initiating new programmes, start of new research centres, introduction of academic reforms, Career development, implementation of ISO system, egovernance and several Accreditation and Ranking processes are a few such endeavours. To maintain academic results, while introducing CBCS in the curriculum, several meetings were held with heads of the departments. The Institution progress is monitored and corrective action is made based on the feedback from students, employers, parents and other quality assurance processes. This success is attributed to the participative management that is practiced in the college and in the academic administration of the departments which empowers faculty members to understand the objectives clearly and execute the tasks towards the realisation of desirable outcomes.

6.1.2 – Does the institution have a Management Information System (MIS)?
Yes

6.2 – Strategy Development and Deployment

6.2.1 – Quality improvement strategies adopted by the institution for each of the following (with in 100 words each):

Strategy Type	Details
Curriculum Development	The institution follows the curriculum designed and provided by the Anna University. Three of our faculty members are on Board of Studies (BoS) of Anna University, Chennai. The BoS members represent the issues related with the curriculum, feedback obtained from Students, teachers and stakeholders in the BoS meeting.
Teaching and Learning	The faculty members engage classes using technologyenabled methodologies. Visual aids such as power point presentations, overhead projectors and multimedia are used to enhance teaching and learning. Guest lectures by Industrial experts and subject experts are arranged frequently. For innovative learning, the faculty adopts various innovative teaching methods like Video Lectures by our Faculty, Project Based Learning and Problem Solving Methodology, Participative Learning, Roleplay, Group discussion, zig saw, Quiz, Interactive Seminars and Experimental Learning, Peer Learning, Just a minute,... In order to get real time experiential learning through handsontraining, Internships, Industrial visits, Field Projects and Inplant trainings are arranged. Student centric learning is practiced. Webinars. Industry Sponsored Laboratories. Encouraging Beyond the curriculum training program and Learning beyond the classroom. Wide access to internet facility to inculcate online learning management resources.
Examination and Evaluation	Question Paper setting for Internal Assessment Test I and II /Model Examination through Smart Pick Tool Scheme of Evaluation is prepared by course coordinator End Semester Examination conducted by Anna University Central Evaluation conducted by Anna University
Research and Development	The Research and Development committee plans and monitors the progress of Research under the guidance of Dean

	Research. The faculty members are motivated to submit Research Proposals for various funding agencies. The faculty members are motivated to do inhouse consultancy projects. The faculty members publish patents every year. Faculty members are encouraged and sponsored to publish in Journals and present papers in National and International Conferences. The faculty members are motivated to pursue Ph.D. The innovative projects done by the students are converted to products for commercialization. Encouraging the faculty members to apply for awards and recognitions from reputed organizations.
Library, ICT and Physical Infrastructure / Instrumentation	The institution is endowed with a fully computerized library with an area of 1430 Sq.m, which has a collection of nearly 56802 volumes of books and 13326 titles, 65 national Journals, 6 leading international Ejournals, Ebooks, 60 Magazines, 13 News Papers, 1071 back volumes of journals and 5248 CD ROMs and NPTEL video courses. Apart from these resources, each department has a separate department library with their own specialized collection of books. The institution has subscribed to ejournals. Awareness about the latest research findings are created among the students, researchers and faculty through these ejournals. Utilizing the library resources, the faculty and students collaboratively work together leading to quality publications, funded projects, consultancy and innovative products. List of eJournals are IEEE ASPP EJOURNAL, SPRINGER LINK EJOURNAL, J.GATE (Engineering, McGraw Hillebook, ELSEVIER Science Direct, ASTM DIGITAL LIBRARY, DELNET (Developing Library Network), Institutional Membership: The college library is an institutional member in the following external libraries. INDEST or other similar membership archives: DELNET (Developing Library Network) British Council Library (BCL) Anna University Library (AU) Institution of Engineering (IEI) Institution of Electronics and Telecommunication Engineering (IETE) OPAC (Online Public Access Catalogue) Module facilitates easy search of resources for the researchers. The students and faculty are encouraged to register online courses available at

	NPTEL, MOOC, Coursera, Udacity, Udemy, etc., offered by various premier institutes inside and outside India to update and enrich their domain knowledge. The researchers and students are utilizing the resources available through Stanford University, Apple iBooks, etc.,
Human Resource Management	Teaching and nonteaching manpower requirements are identified by the respective HODs and are informed to the Head of the institution. The administrative office consolidates all the requirements and collects CVs Applications from eligible candidates. Applications are scrutinized based on the merit of the applicant satisfying the college and Anna University/AICTE norms. The shortlisted applicants attend the interview before the selection panel comprising of Subject Experts from reputed Institutions, University Members, Chairman, Principal and HODs. Rank list is prepared and appointments are made based on the requirement. The recruitment procedures, service rules and promotion policies are made transparent and employees are benefited with Free Transport, Food and paid leave such as CL, EL, VL, ML, Gratuity and EPF Membership. Providing financial support and on duty to the faculty for attending seminars, conferences, workshops, invited lectures and research activities.
Industry Interaction / Collaboration	The College adapts the following activities with respect to industry interaction: 10 Centres of excellences in all engineering disciplines to impart Domain Specific industry skills. 26 MoUs signed with industries and Universities. Students are permitted to do their project work in industry. Faculty those who have attended training in industries share their knowledge and experience with others in the department. Industry Institute Partnership cell was created to connect students and faculty with industry Students are permitted for Industrial visit and to undergo inplant training in industry. Students are permitted Internships in the companies. An internship provides the opportunity to gain hands on work experience Experts from industry conduct workshops and

	training programmes which help the students to learn the current trends in technology which enable them to come out with innovative projects.
Admission of Students	Norms as prescribed by Anna University/Tamil Nadu Government. For UG: 50 of the students under "Single Window System" through Tamil Nadu Engineering admissions. 50 of admissions under Management Quota 20 of sanctioned intake admitted under Lateral Entry in 2nd year For PG: Based on Tamil Nadu Common Entrance Test (TANCET) conducted by Anna University and GATE score For Ph.D: Based on the entrance test and interview conducted by the Anna University.

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

E-governace area	Details
Finance and Accounts	Tally Maintenance the college accounts
Student Admission and Support	Pragati Online Mentoring System SkillRack -To develop Technical Skills , Programming Skills and life Skills Campus Tracker Students Database for Career Development
Examination	SmartPick Automatic selection of Internal Assessment Question Papers
Planning and Development	Planning and Development cell is formed to monitor academic and non academic activities. This committee is reporting the progress to principal.
Administration	The centralized exam cell is formed to carry out the exams. The Internal and Model exam scheduled will be informed to the students in well in advance. The end semester results will be declared by the CoE Anna University.

6.3 – Faculty Empowerment Strategies

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

Year	Name of Teacher	Name of conference/ workshop attended for which financial support provided	Name of the professional body for which membership fee is provided	Amount of support
2018	Ms.M.Uma Maheswari	SIH	Pune	7576
2018	Mr.N.S.Srivatch an	SIH	Warangal	5534
2018	Mr.R.Suresh	National Workshop on Advances in	SRM Institute of Science and Technology	750

		Automotive Electronics		
2018	Dr.D.Rukmani Devi	National Seminar on Digitisation of Higher Education for Quality Enhancement of TeachingLearning and Research: Challenges and Opportunities.	Vellore Institute of Technology, Vellore	1000
2018	Mr. Jaiganesh	5G Certification training and 5G knowledge summit	Nano Cell Networks Pvt Ltd	4000
2019	Dr.A.SumaiyaBegum	One Week Workshop on "Artificial Intelligence for all"	IIIDM Kancheepuram, Chennai	6000
2019	Mr.Ch.Venkatramaiah	One Week Workshop on "Artificial Intelligence for all"	IIIDM Kancheepuram, Chennai	8000
2019	Mr.M.Jyothi Prasad	One Week Faculty Development Programme on "Machine Learning Applications in Signal Processing"	NIT, Warangal	2500
2019	Mrs.M.Shakunthala	Two days national workshop on "Hands on Training on Artificial Neural Network using MATLAB"	VIT, Chennai	1500
2019	Mrs. R.Aarthi	Two days national workshop on "Hands on Training on Artificial Neural Network using MATLAB"	VIT, Chennai	1500
2018	Dr.G.Nalinashini	APOGEE 2019 National Level	RMD Management	46800

2018	Mrs.G.Karthika	Mitsubishi Electric Cup National Level Automation Competition	RMD Management	38000
2018	Dr.S.ThangaRamya	Virtusa	Self Institution	8996
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6.3.2 – Number of professional development / administrative training programmes organized by the College for teaching and non teaching staff during the year

Year	Title of the professional development programme organised for teaching staff	Title of the administrative training programme organised for non-teaching staff	From date	To Date	Number of participants (Teaching staff)	Number of participants (non-teaching staff)
2019	National Seminar on Machine Learning using WEKA R Programming		17/06/2019	18/06/2019	70	0
2018	Seminar on Internet of Things		24/12/2018	24/12/2018	9	0
2019	One Day Seminar on "Understanding the New Framework of NAAC"		19/06/2019	19/06/2019	28	0
2019	Six day FDP on EE8 551Microprocessors Microcontrollers		17/06/2019	22/06/2019	30	0
2018	Latex Software Training		30/07/2018	06/08/2018	77	0
2019	National conference on green energy (NCGE2019)		02/04/2019	02/04/2019	30	0
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6.3.3 – No. of teachers attending professional development programmes, viz., Orientation Programme, Refresher

Course, Short Term Course, Faculty Development Programmes during the year

Title of the professional development programme	Number of teachers who attended	From Date	To date	Duration
Two Days National Seminar on Machine Learning with Hands on Workshop using WEKA tool amp R	20	17/06/2019	18/06/2019	2
Faculty Development Programme on Machine Learning Practical Approach for Engineering Applications Associated with IEEE PSES , Madras Chapter at Velammal Engineering College	7	22/10/2018	27/10/2018	5
NPTEL COURSE: Programming in C	2	01/08/2018	30/10/2018	90
Faculty Development Programme Internet of Things – NPTEL AprilMay 2019 Faculty Development Programme	4	01/08/2018	30/10/2018	90
Information Security FDP	1	01/04/2019	30/05/2019	60
Industrial IoT FDP	1	01/04/2018	30/05/2018	60
AI:Knowledge Representation and Reasoning –FDP	2	01/08/2018	30/10/2018	90
FDP on DBMS	1	01/02/2019	30/04/2019	90
Digital Image Processing and Applications conducted by Centre for	1	04/06/2018	09/06/2018	5

Computer Vision and Machine Learning, Department of Computer Science and Engineering. Indian Institute of Information Technology Design and Manufacturing, Kancheepuram.				
One Week Faculty Development Program on "Principles of GNSS, Applications and Research Areas" University College of Engineering (A), Osmania University, Hyderabad	1	04/06/2018	09/06/2018	5
Two Days National Level Handson Training Program on "TCAD for IC Design" Vellore Institute of Technology	1	08/09/2018	09/09/2018	2
One week FDP on "Introduction to Research" NPTEL online certification course	1	01/07/2018	30/10/2018	120
One and half week FDP on "Switching Circuits and Logic "Design" NPTEL online certification course	1	01/07/2018	30/11/2018	150
One and half week FDP on "Digital Image Processing"	1	01/07/2018	30/11/2018	150

NPTEL online certification course				
One and half week FDP on "OpAmp Practical Applications: Design, Simulation and Implementation" NPTEL online certification course	1	01/07/2018	30/11/2018	150
Faculty Development Program on "Recent Trends in 5G Technologies" organized by Telecom CoE, R.M.K. Engineering College	12	02/11/2018	02/11/2018	1
Faculty Development Program on "Cyber Security – Network", R.M.K. Engineering College	10	19/11/2018	19/11/2018	1
QIP Short Term Course on Machine Learning in Image and Video Analytics, Department of CSE, IIT Varanasi	1	03/12/2018	09/12/2018	6
QIP Short Term Course on Deep Learning: Theory Practice, Department of CSE, IIT Varanasi.	1	12/12/2018	17/12/2018	5
Two Week FDTP on "EC8251Circuit Analysis", Anna University Regional	1	10/12/2018	21/12/2018	12

Campus, Madurai				
5G Certification training and 5G knowledge summit, Nanocell Networks Pvt Ltd	1	18/12/2018	19/12/2018	2
One week FDP on "Matlab Programming for Numerical Computation" NPTEL online certification course	2	02/01/2019	30/03/2019	90
One week FDP on "Introduction to Coding Theory" NPTEL online certification course	1	02/01/2019	30/03/2019	90
One half week FDP on "Computer Organization and Architecture: A Pedagogical Aspect" NPTEL online certification course	1	02/01/2019	30/04/2019	120
One half week FDP on "Joy of Computing using Python" NPTEL online certification course	1	02/01/2019	30/04/2019	120
One Day workshop on "Analog Discovery Kit" by Technical support and expertise by Pantech Prolabs India Pvt. Ltd, College of Engineering, Guindy, Anna University, Chennai	1	03/05/2019	03/05/2019	1

Six day FDTP on "GE8151Problem Solving and Python Programming" SSN College of Engineering	1	10/06/2019	15/06/2019	6
Faculty Transformation workshop " GURU SRISHTI", R.M.K Engineering College	28	17/06/2019	17/06/2019	1
"Outreach ProgramIncome Tax" by Income Tax Commissioner", R.M.K Engineering College	10	29/07/2019	29/07/2019	1
Two days national workshop on "Hands on Training on Artificial Neural Network using MATLAB", VIT, Chennai	1	03/08/2019	04/08/2019	2
FDP on Reference Management Knowledge Organization for Journal Writing	1	07/01/2019	11/01/2019	4
FDP on Electric Vehicles Part 1	1	02/01/2019	30/04/2019	120
FDP on Introduction to Internet of Things	5	02/01/2019	30/04/2019	120
FDP on Control Systems	1	26/11/2018	08/12/2018	13
FDP on Recent trends in 5G Technologies	3	02/11/2018	02/11/2018	1
online course on "Statistics with RBeginner Level"	1	26/11/2018	26/11/2018	1
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6.3.4 – Faculty and Staff recruitment (no. for permanent recruitment):

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
128	128	58	58

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
Gratuity, Travel Grant, Free Food, Free Transport Employees Provident Fund scheme (EPF) is in place to the teaching and nonteaching right from the year of joining. Institution provides transport facility for all the teaching staff and non teaching staff. Promotion and increments are given to all the staff members regularly. Paid Casual leave, earned leave, winter and summer vacation leave are provided to all teaching and non teaching staff. Women faculty is provided with maternity leave for one month with salary.	Gratuity, Free Transport, Free Food, Paid Casual leave, earned leave, winter and summer vacations are provided to all teaching and non teaching staff. Women faculty is provided with maternity leave for one month with salary. Support to pursue higher education	Enables state and central government scholarships and distributes endowment awards Full support is extended to students to participate in conferences, paper presentations, curricular, cocurricular and extracurricular events. Funds for innovative projects and helps in getting educational loans. Career guidance and placement training camps are conducted Remedial teaching is arranged for slow learners under Academic tutor mentorship Free medical and fitness check up are routinely conducted.

6.4 – Financial Management and Resource Mobilization

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

We have been adopting Internal Financial Control by proper scrutiny for all financial transactions to ensure whether the Statutory and other accounting are properly followed. The Objections raised are rectified then and there. The External Audit have been conducted twice / thrice in a year by the Chartered Accountant Firm Periodically and relevant audit points raised are being settled then and there.

6.4.2 – Funds / Grants received from management, non-government bodies, individuals, philanthropies during the year(not covered in Criterion III)

Name of the non government funding agencies /individuals	Funds/ Grnats received in Rs.	Purpose
Management	6000	Research
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6.4.3 – Total corpus fund generated

0

6.5 – Internal Quality Assurance System

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

Audit Type	External	Internal

	Yes/No	Agency	Yes/No	Authority
Academic	Yes	ISO	Yes	DNVGL
Administrative	Yes	Certified Charted Accountant	Yes	CA

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

Organising Parent –Teacher Meeting Every year The Principal , HODs , Faculty Members, COE Coordinators, Year Coordinators, Counsellors addressing about Academics, Placement and other activities in our college to the Parents. Providing valuable suggestions for development of the institution Feedback Collected from the Parents, analysed and suggestions are taken into account for the institution development

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

The supporting staffs are encouraged to attend various refresher courses, technical development seminars conducted by external agencies etc. Providing on duty to pursue their higher studies.

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

1. Innovative teaching learning process 2. Technology enabled Learning Environments 3. Industry sponsored Laboratories 4. Project Based and Experiential Learning 5. Product Development Centres to kindle students interest and innovations 6. Professional activities to ignite young minds 7. Research Projects, Publications and Patents

6.5.5 – Internal Quality Assurance System Details

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

6.5.6 – Number of Quality Initiatives undertaken during the year

Year	Name of quality initiative by IQAC	Date of conducting IQAC	Duration From	Duration To	Number of participants
2018	IQAC First Meeting	26/10/2018	26/10/2018	26/10/2018	25
2019	IQAC Second Meeting	23/01/2019	23/01/2019	23/01/2019	25
2019	IQAC Third Meeting	24/04/2019	24/04/2019	24/04/2019	25
2019	IQAC Fourth Meeting	06/06/2019	06/06/2019	06/06/2019	25
2018	Preparation of AQAR and Submitted to NAAC	29/12/2018	01/07/2018	28/12/2018	6
2018	Participation of NIRF Data submitted through DCS	07/12/2018	16/10/2018	30/11/2018	6

2018	Academic Administrative Audit	25/10/2018	25/10/2018	26/10/2018	12
2018	ISO Internal Audit	17/08/2018	17/08/2018	18/08/2018	120
2018	NBA Internal Audit	10/11/2018	10/11/2018	04/04/2019	120
2019	ISO External Audit	20/02/2019	20/02/2019	21/02/2019	120
2018	Feedback collected from stakeholders and analysed	26/09/2018	26/09/2018	26/09/2018	1850
2019	Workshop on Understanding the New Framework of NAAC	19/06/2019	19/06/2019	19/06/2019	125

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CRITERION VII – INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 – Institutional Values and Social Responsibilities

7.1.1 – Gender Equity (Number of gender equity promotion programmes organized by the institution during the year)

Title of the programme	Period from	Period To	Number of Participants	
			Female	Male
Awareness Programme on Legal Issues and Legal Rights for Women Safety	29/10/2018	29/10/2018	181	0
Competition on Legal Rights of Women	22/12/2018	22/12/2018	181	0
Legal Rights of Women	26/12/2018	26/12/2018	181	0
Women's Day Celebration	08/03/2019	15/03/2019	192	0

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

Percentage of power requirement of the University met by the renewable energy sources
0

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Physical facilities	Yes	0
Provision for lift	No	0

Ramp/Rails	Yes	0
Braille Software/facilities	No	0
Rest Rooms	Yes	0
Scribes for examination	No	0
Special skill development for differently abled students	No	0
Any other similar facility	No	0

7.1.4 – Inclusion and Situatedness

Year	Number of initiatives to address locational advantages and disadvantages	Number of initiatives taken to engage with and contribute to local community	Date	Duration	Name of initiative	Issues addressed	Number of participating students and staff
2019	1	1	21/06/2019	1	Yoga	Fitness	103
2018	1	1	31/07/2018	45	Swachh Bharat Summer Internship 2018	Creating Awareness about general hygienic methods	38
2018	1	1	07/07/2019	1	Swachh Bharat Mission (Gramin)	Sanitation Awareness	7
2019	1	1	16/02/2019	1	Blood Donation Camp	Awareness of Blood Donation	289

7.1.5 – Human Values and Professional Ethics Code of conduct (handbooks) for various stakeholders

Title	Date of publication	Follow up(max 100 words)
Academic information brochure for Students	05/07/2018	Informations are published in our website. Revised guidelines of affiliating University and AICTE are also amended whenever applicable. Academic information brochure is updated every year, which carries the rules and regulation to be followed by a student during their tenure of study.
Service Rule book for Teachers	05/07/2018	Informations are published in our website.

	Revised guidelines of affiliating University and AICTE are also amended whenever applicable. Academic information brochure is updated every year, which carries the rules and regulation to be followed by a student during their tenure of study.

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
Celebration of Independence Day	15/08/2018	15/08/2018	260
Celebration of Republic Day	26/01/2019	26/01/2019	285
Science Day	10/03/2019	10/03/2019	242
Women's Day	08/03/2019	15/03/2019	192

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

The virgin greenery of the campus is maintained. To compensate for the loss of greenery due to the built up area, extensive green coverage has been created. Rain Water Harvesting Energy Management Centralized fullfledged Sewage Treatment Plan Solar panels and windmills for alternative source of power Hazardous substances/chemicals are not used in any of the laboratories. Nondegradable substances are prohibited in the campus. All solid wastes are collected on daytoday basis and are disposed of. The ewaste is periodically segregated, collected and sent to designated disposal points.

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

PRACTICE: 1 TITLE OF THE PRACTICE: CENTER FOR HIGHER EDUCATION OBJECTIVES OF THE PRACTICE: "The mission of the centre is to prepare and give exposure to students on pursuing higher studies abroad and in India". THE CONTEXT: Centre for higher education is formed exclusively for motivating, counseling and guiding the students to pursue higher studies. The center aims at providing systematic and methodical guidance on the various competitive examinations after B.E/B.Tech degrees which facilitates them to pursue Masters' degree like M.E/M. Tech from India, M.S from abroad, M.B.A from India and abroad and Ph.D. THE PRACTICE: The center aims at Collecting the data of the graduating students who aspire to study abroad and to maintain a comprehensive database. The centre Collects data of the Alumni who have done higher studies creating a network among Universities, Colleges, and Institutions abroad committed to impart Higher Education and Collaborative Study programmes. The centre promotes new relationships between overseas Universities and Institutions and to help define the scope of such relationships through appropriate Memoranda of Understanding (MoUs). Organizes Seminars on "Higher Education at various Universities abroad" periodically. BEC training was conducted for the second year students by the trainers from FACE and SMART training centre and mock tests were conducted before the students take up the BEC exam. EVIDENCE OF SUCCESS: The evidence of success is the percentage of students admitted in various foreign universities pursuing MS abroad and the percentage of students got admitted for M.E/M.Tech/MBA in various Indian institutions PROBLEM ENCOUNTERED AND RESOURCES

REQUIRED: In some circumstances, student might not be able to clear the exams to apply for Universities. To make the Higher Education Cell effective, BEC training is imparted to students by trainers from academy(FACE, SMART). PRACTICE: 2 TITLE: TRAINING PLACEMENT OBJECTIVES OF THE PRACTCES To persuade the students to possess a sound technical Knowledge in the area of study To enhance the programming skills of students To train the students To take up their aptitude tests To help students excel in attitude, ethics and communication skills To make the students competent for different levels of selection process such as group discussions and onetoone interviews To help boost the students' confidence level and performance through soft skills training To ensure that all eligible students are employed by the end of the final year of study To ensure the students' Effective career performance To endure the students 'enriched social performance into the engineering and management curriculum for success. THE CONTEXT: There has been a tremendous increase in the demand for technology globally and India too witnessed such technology explosion in various fields. This required a large number of competent engineers to accelerate it. This demand created a thirst among the educationists to improve their existing system of education and training to make their students exceptionally good in technical skills and communication skills which are required for the accelerating technological economy. When surveyed, the needs of the recruiters came out to be something which is out of the curriculum prescribed by Anna University such as technical skills, exceptional programming ability, good communications skills and a good Leadership Quality. Hence the Management has made several measures to ensure that the students who come out of RMDEC are competent enough to face the competitive world. THE PRACTICE: There is a minor gap between the industry expectation and the curriculum offered by the university. The gap is mainly with the recent technologies and the practical implementations of these technologies. Bridging the gap can be achieved by making the industry involved in teaching learning process. To achieve this, apart from the regular academic curriculum, RMDEC includes various training programs and skill development programs to the students at various levels during their course of study. There are about 10 Center of Excellence in our college such as Cloud CoE, Cyber Security CoE , Artificial Intelligence CoE, Bigdata Analytics CoE, Telecom CoE, Front End Engineering CoE, Factory Automation CoE, Automative Electronic CoE, Building Management system CoE, Embedded Systems CoE we also hold 103 industry oriented MOUs and 10 MOUs with foreign universities. Because of which many students benefited interms of their placements. The various training programme includes, I Year Orientation programme Motivation Programme Life Skills Programme II YEAR Campus Readiness Programme Communication Skills BEC training Mock Aptitude Test Communication Skills BEC Training Personality Development Programme III YEAR Mission Possible interview skills improvement workshop Campus Readiness Programme IY YEAR Aptitude Training Programme Aptitude test for campus interview preparation Mock interview, Technical and HR Company Specific aptitude training EVIDENCE OF SUCCESS Placement Results The Institution takes great efforts to send most of the students for inplant training to enhance their technical ability and gain exposure to the practical world. Industrial visits to reputed companies are arranged to know more details about industrial activities. It also enhances the softskill capability of the students through regular training programs. The department counsels the final year students for their higher studies and for getting projects from industries. The cell comprises of members of faculty one from each of the Engineering Departments to coordinate with the Training and placement Department, in conducting programs like communication skill development, Personality development, Technical skill development, etc. Since the time of its inception, the members of the cell have been working on the training and development activities to equip the students to meet the requirements of the recruiting companies. The Institution has a remarkable interaction with the top

ranking IT, Electrical and Electronics Industries and this Industry Institution interaction helps the student community to be aware of the demand of the recruiters. Several Industrial visits are arranged in each semester and students are exposed to the latest trends adopted in the Industrial sector towards the technological developments. Problems Encountered and Resources Required: Recession Sector Specific jobs Profile Specific jobs Salary Expectations Number wise top recruiting companies that come for campus selection demand for Day1and this demand is very difficult to meet Companies that offer dream packages claim priority over other companies zero day-for campus recruitment Although certain companies are willing to offer weekend internships spreading over two or three months, due to tight academic schedule, financial constraint on the part of the students, unviable commuting distance etc., students are not able to utilize such opportunities Personnel with expertise in aptitude tests and in developing soft skills can permanently be employed for continuous training of the students.

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

https://rmd.ac.in/

7.3 – Institutional Distinctiveness

7.3.1 – Provide the details of the performance of the institution in one area distinctive to its vision, priority and thrust in not more than 500 words

DISTINCTIVENESS NPTEL The National Programme on Technology Enhanced Learning (NPTEL) is an initiative of seven IITs along with IISc. It offers open online courses along with certificates from the IITs/IISc for those who completed the courses successfully.These online courses provide an affordable and flexible way to learn new skills, advance your career and deliver quality educational experiences at scale. It enables the student to directly engage and learn from the best faculty in the country in that particular subject. This strengthens the fundamentals of the student in the course and also brings out their self learning initiative. This fosters the habit of keeping oneself updated. Numerous courses on current and cutting edge technology are available, which will improve the employability of candidates. The certificates issued bear the stamp of CCE, IIT and hence are valuable additions when the student becomes industry ready. SWAYAM NPTEL recognizes R.M.D. Engineering College as a valuable Local Chapter with 77th rank and a rating of A based on performance in NPTEL Online Certification courses for JUL- DEC 2018. BENEFITS Students gained in depth knowledge about the course enrolled. Students gained information about the subject beyond the syllabus Students received certificates under different categories.(Course completed, Ellite, Ellite Silver, Ellitegold, Ellite Topper)

Provide the weblink of the institution

https://rmd.ac.in/

8.Future Plans of Actions for Next Academic Year

In order to integrate institutional goals/objectives and the academic programmes, a well structured system is functioning very efficiently. Our institution is always keen in improvising the quality and strives towards the consistent performance in its future endeavors. Highlights of the action plan in future: • Steps are to be taken to apply for Autonomous category • Considering the demand and the growth of technical education in this region, Our institute has planned to introduce new courses as per the suggestions given by AICTE on Emerging courses say Artificial Intelligence,.. • Earnest efforts are on to have tieups with more number of organizations and industries in the country to provide practical experience to the students through skill enhancement as per the requirement of the industry in order to bridge the gap between the curriculum and

the industry requirements. • Quality of the research is going to be the focus in order to improve the standard of the institution. It is essential to carry out research to find newer solutions for generic problems in the field of interest to research scholars/faculty members. Faculty members have been consistently motivated in order to increase the number of research publications with a descent citation index. • Planned to conduct more workshops on filing Patents, writing research proposals and to encourage faculty members to excel in these areas. • The Government of India through its various arms such as DST, DRDO, ISRO, AICTE, UGC etc. is making funds available for carrying out application oriented research. Our institution focus on generating funds from these organizations. • Faculty members are insisted to take up more consultancy projects by interacting with the relevant industries in order to maximize their potential and to develop their skill set. • Focus on the student projects and to convert them into patents.