



## Yearly Status Report - 2018-2019

### Part A

#### Data of the Institution

<b>1. Name of the Institution</b>	Dr.M.G.R Educational and Research Institute (Deemed to be University) Periyar EVR High Road Maduravoyal Chennai Tamil Nadu 600095
Name of the head of the Institution	Dr.K.Meer Mustafa Hussain
Designation	Vice Chancellor
Does the Institution function from own campus	Yes
Phone no/Alternate Phone no.	04423782176
Mobile no.	9840056785
Registered Email	registrar@drmgrdu.ac.in
Alternate Email	vc@drmgrdu.ac.in
Address	Periyar EVR High Road, Maduravoyal
City/Town	Chennai
State/UT	Tamil Nadu



Item /Title of the quality initiative by IQAC	Date & Duration	Number of participants/ beneficiaries
BUILDING LEADERS	20-Dec-2018 1	80
SCOPE AND POTENTIAL FOR EXTRAMURAL RESEARCH FUNDING	27-Sep-2018 1	80
ENHANCING HIGHER ORDER THINKING SKILLS (HOTS) FOR QUALITY IMPROVEMENT	12-Dec-2018 1	100
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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
Dr. M.G.R. Educational and Research Institute, Deemed to be University	UGC and MHRD (Categorized as Category II with Graded Autonomy)	UGC	2018 5	0
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<b>9. Whether composition of IQAC as per latest NAAC guidelines:</b>	Yes
Upload latest notification of formation of IQAC	<a href="#">View File</a>
<b>10. Number of IQAC meetings held during the year :</b>	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	<a href="#">View File</a>
<b>11. Whether IQAC received funding from any of the funding agency to support its activities during the year?</b>	No

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

Improving Foreign Collaboration

Improving Digital Education and E Learning

Introducing Innovative Courses

Training Students for Competitive Exams

New Skill Development Courses for Improving Employ ability

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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
Improving Teaching, Learning Process	FDP conducted Ideation in Departmental University IQAC Meetings
Improving Research Environment	students are involved in research paper writing & projects got funded from DST funding agency
Providing Training on Outcome Based Education	2 National Conference conducted , workshops conducted & 2 seminars conducted
Improving Evaluation Process	University Departmental IQAC Meetings discussed evaluation process and suggested reforms
Building up Linkage with the Industry	Set up Career Guidance Cell to enhance students performance during placements & Skill Development Cell in which provides skill based training to students Activities of IIPC
Introducing Skill Development Courses	up-gradation and curriculum reform Supply Chain Management and Logistics, Software courses, Banking, NSDC Certified Skill Development Courses for Engineering & Commerce
Training students for competitive exams	Dr. M. G. R. IAS Academy, Dr. M. G. R. GATE Training Academy & Introduction of new certificate courses in department level
Improving Employability and Placement	Campus Recruitment Training Program, Skill Development Programs with Industry ATI Opportunities for Student Internship
Creating specific Goals and Objectives for Departments	Department document outlining their Goals & Objectives with quantitative targets and timelines created by IQAC. Regular appraisal of the document done
Effective monitoring and proper documentation	Minutes of Department and University IQAC Meetings maintained properly Appraisal of decisions taken in Departments and University IQAC

Meetings done regularly

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14. Whether AQAR was placed before statutory body ?

Yes

Name of Statutory Body

Meeting Date

Thirty Third Academic Council

12-Sep-2019

15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?

Yes

Date of Visit

02-Nov-2017

16. Whether institutional data submitted to AISHE:

Yes

Year of Submission

2019

Date of Submission

24-Jan-2019

17. Does the Institution have Management Information System ?

Yes

If yes, give a brief description and a list of modules currently operational (maximum 500 words)

Through Jack Prodigy Student Attendance, Events, Publications, Time Table and Announcement were Handled.

## Part B

### CRITERION I – CURRICULAR ASPECTS

#### 1.1 – Curriculum Design and Development

1.1.1 – Programmes for which syllabus revision was carried out during the Academic year

Name of Programme	Programme Code	Programme Specialization	Date of Revision
BSc	1	Maths	15/06/2018
MBA	51	Business Administration	15/04/2018
BSc	2	Physics	15/04/2018
BTech	09	EEE	15/05/2018
BTech	06	CSE	19/04/2018
BTech	12	IT	19/04/2018
BTech	Nil	ISDF	19/04/2018
Mtech	32	CSE	26/04/2018
Mtech	57	ISCF	26/04/2018

BTech	05	Civil Engineering	25/04/2018
Mtech	46	Construction Engineering and Management	25/04/2018
Mtech	42	Structural Engineering	25/04/2018
Mtech	50	Environmental Engineering	25/04/2018
Mtech	Nil	Transportation Engineering	25/04/2018
BTech	13	Mechanical	17/04/2018
BTech	02	Automobile	17/04/2018
BTech	23	Robotics and Automation	27/04/2019
Mtech	49	Industrial Engineering	18/05/2018
Mtech	33	Design Engineering	18/05/2018
Mtech	38	CAD/CAM	18/05/2018
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1.1.2 – Programmes/ courses focussed on employability/ entrepreneurship/ skill development during the Academic year

Programme with Code	Programme Specialization	Date of Introduction	Course with Code	Date of Introduction
BTech	Mechanical	17/04/2018	13	17/04/2018
BTech	Automobile	17/04/2018	02	17/04/2018
BTech	Robotics and Automation	27/04/2019	23	27/04/2019
BA	English	15/01/2019	31	15/01/2019
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## 1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the Academic year

Programme/Course	Programme Specialization	Dates of Introduction
BSc Trauma care management	Emergency & Trauma care Technology	15/08/2018
BSc	Medical Record Science	15/10/2018
BSc	Medical Sociology	15/06/2018
BSc	Cardiac Care Technology	15/06/2018
BA	Economics	15/07/2018
BA	Psychology	15/06/2018
BSc	& Food Science Nutrition & Dietetics Aviation	15/06/2018
BSc	Advanced Animation	15/06/2018
MSc	Animation and Viscom	15/06/2018

BSc	Mathematics with Computer Applications	15/06/2018
BSc	Financial Mathematics	15/06/2018
BSc	Mathematical Sciences	15/06/2018
BSc	Mathematics with Applied Statistics	15/06/2018
BTech	Robotics and Automation	15/06/2018
BTech	Chemical - Lab Chemist (Incoming raw material testing)	15/03/2018
BTech	Chemical - Senior Rubber Technician (certificate course)	15/06/2019
MBA	Management Studies	15/08/2018
BSc	Industrial Chemistry	15/04/2018
BSc	Medicinal Chemistry	15/04/2018
MSc	Chemistry	15/04/2018
MPhil	English	15/08/2018
BSc	Clinical Nutrition	15/05/2018
BCA	Digital Technology, BigData Analytics	15/06/2018
BTech	Electrical & Computer Engineering	15/07/2018
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1.2.2 – Programmes in which Choice Based Credit System (CBCS)/Elective Course System implemented at the University level during the Academic year.

Name of programmes adopting CBCS	Programme Specialization	Date of implementation of CBCS/Elective Course System
MSc	Chemistry Elective Courses	12/04/2018
MPhil	1. English Language Teaching, 2. Twentieth century American Literature 3. Contemporary world Literature	15/08/2018
BTech	ECE Elective Courses	15/05/2019
BTech	CSE Elective Courses	19/10/2019
Mtech	CSE Elective Courses	19/10/2019
BTech	IT Elective Courses	19/10/2019
Mtech	ISDF Elective Courses	19/10/2019
MSc	CS Elective Courses	19/10/2019
BTech	ISDF Elective Courses	19/10/2019
BSc	ISCF Elective Courses	19/10/2019

### 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
FOMS Certificate course :Transportation and Logistics Certificate course : Retail Management M phil in Management MBABusiness analytics in Association with IBM MBALogistics and SCM in association with CII (Modify)	15/05/2019	40
HMCT Personality Development	15/06/2018	32
English Language Enhancement Class	15/09/2018	20
Disaster Management	05/09/2018	11
Viscom: China thirai Association	15/11/2018	30
Viscom Training Workshop	15/02/2018	80
Medical ethics	15/09/2018	150
Computer assisted learning in physiology	15/02/2018	150
BCA Ethical Hacking	15/08/2018	54
Fashion Design Foreign Language Course	15/09/2018	7
EEE Industry Tailored Switch Gears	15/03/2019	41
EEE IoT Applications in Power Technology	15/10/2018	80
EEE Electrical CAD	15/04/2019	20
Mechanical Training on Solid works by CAD/CAM solutions,Chennai.	15/02/2019	30
Mechanical Training on Technical skill by Advanced Training Institute, Chennai.	15/07/2018	209
Dental Endodontic microsurgery (Lecture and handson)	13/03/2019	75
Dental Interdisciplinary courses	15/03/2018	15
Dental BASIC LIFE SUPPORT	08/07/2019	35
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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
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MBA	Summer Internship and Final Project	548
BArch	Practical Training - I, Rural Studio	116
MArch	Landscape Studio	13
BSc	Chemistry	27
BSc	Physics (students project)	17
BHMCT	De-Novo Courses	50
BA	English	12
MPhil	Field Projects	6
BCom	I) YCH II) Tata Consultancy Services	140
BSc	Viscom	154
BCA	Human Resource training, naanal digital supply chain	5
BTech	EEE - FINAL YEAR PROJECT	61
BTech	EEE - INTERNSHIP	51
BTech	ECE - Machine Learning- Sheffield Hallam University, UK	1
BTech	CIVIL -Internship with private construction companies for 3-4 weeks	50
BTech	CIVIL - Industrial visit and training programmes uner Metro water, CMRL etc.	20
BEEd	Project Expo - 19	50
BTech	Mechanical - Internship	47
BDS	NSS	50
BTech	Chemical - Internship	9
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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
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Feedback from all stakeholders is first processed by a faculty team in the respective departments. Students are the primary stakeholders strive to serve. Student inputs indicate the deficiency areas which should be addressed on a real time basis. The feedback from alumni and industry clearly indicates the shifting trends in the employment scenario and the skill sets to be acquired by the students to become job ready. The input from parents is generally centered around the safety of their wards and they also want the institution to maintain the cultural ethos of the region. The curricular development cell comprising an expert faculty team analyses all the feedback reaching them and devise measures to accommodate positive suggestions. These resolutions are then forwarded to the board of studies for incorporation at a suitable level. The BOS in turn examines the resolutions and give them a concrete shape by framing the curriculum and syllabus by including the proposed changes. The draft curriculum and syllabi are then submitted to the academic council of the university which has representations from all stake holders and also experts in other fields. The reframed, syllabus is then presented to the 'Academic Council' for discussion where experts from industry/academics can express their perception of the proposed changes. The academic councils has the prerogative to accept, alter or reject the new provisions incorporated in the draft curriculum and syllabus Thus the feed backs obtained are subjected to multi stage filtration before getting incorporated in the syllabus.

## 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
<b>No Data Entered/Not Applicable !!!</b>				
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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	4034	609	850	157	270

### 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 Tools and resources available	Number of ICT enabled Classrooms	Number of smart classrooms	E-resources and techniques used
1277	1256	205	67	52	100

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

The Time tested benign influence of the mentoring system has been fully recognized by the institution and in consequence it has been made mandatory for all departments in the University. The mentor mentee ratio is maintained at 1:20 to ensure individual attention for all students. The mentor compiles and maintains a comprehensive biodata of all the mentees under his mentorship and meets the mentees individually at least 3

times in a semester. The mentors have been specifically instructed to be sympathetic and supportive and never to be critical. The academic enthusiasm of the students tend to wane over a period of time and it is the recognized duty of the mentor to energize them to perform. The mentors most important duty is to mentor the regularity in attendance as this is the fundamental requisite of academic performance. The mentor repeatedly warns an irregular student and if the student does not mend his/her ways then the parent is reached. Same procedure is adopted when academic performance is below par such as securing low marks in continuous assessment lists and pre university examination. However, in all circumstances mentors are disallowed in making critical remarks and always are expected to be positive and suggest ways and means to improve the academic performance. Another important area impact is the behavioral problems caused by students with such problems so that they can counsel them against participating in unbecoming activities. Mentors are also expected to help solving student student and student staff problems as and when they arise. Another critical area of mentoring which is assiduously followed is in improving the skill sets of students to make them job ready. This is done by guiding students to participate in relevant online and offline certificate courses. Mentor also helps the mentees in cocurricular and extracurricular projects and events to ensure holistic development. Finally the students must be properly prepared for the campus selection process to obtain a decent employment or to become a successful entrepreneur.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
4643	1277	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
1277	1263	14	14	202

### 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
2018	Dr.Devendran	Associate Professor	Certificate of appreciation Digital marketing
2018	Ms.Mahalakshmi	Lecturer	Certificate of digital analytics
2019	Mrs.S.Ramya	Vice Principal	"Understanding Human Physiology New Perspective"
2018	Dr.G. Bhavani	Vice Principal	Certificate of participation JUDGE in the 6th STAR summit held from 28 th30th January 2019at Saveetha Dental College Hospital, Chennai
2018	Mr.R. Lakshman Raj	Assistant Professor	Certificate of participation Spectra2k18 Best performance award
2018	Mrs.S. Suganya	Lecturer	Radiological Technology"

			organized by ISRT academic club
2018	Mrs. S. Shriranjani	Lecturer	Radiological Technology" organized by ISRT academic club
2019	Dr.Hepsibah Sharmil .S	Professor	An Active review Member of Journal of Emerging Technologies and Innovative Research
2019	Dr. C.B. Senthilkumar	Professor	Fellowship (FSIESRP) International level
2018	Dr. Rama Vaidyanathan	Director	The Hindu STEP Award
2019	Dr. J Arun Kumar	Assistant Professor	Smart India Hackathon Grand Finale 2019 (Hardware Edition)
2019	Er. Mohamed Rizwan	Assistant Professor	Smart India Hackathon Grand Finale 2019 (Hardware Edition)
2018	Dr.N.Ethiraj.	Professor	Academic icon Professional award from Institution of Engineers(India)
2019	Dr.S.Geetha	Associate Professor	IEI - Best Women Engineer
2018	Dr.S.Geetha	Associate Professor	IEI Academic Professional Icon Award
2018	Dr. Gopala Krishnan	Professor	Best Periodontist 2018 World Dental Congress Dubai
2018	Dr.Prabhu	Professor	Best Dentist Award received from Madras Maha Jana Saba
2018	Dr.Nadeem jeddy	Professor	Fellowship of Indian association of oral and maxillofacial pathologists.
2018	Dr.T.Godhavari	Professor	IEIFellowship Award
2018	Dr.T.Godhavari	Professor	Academic Professional Icon Award IEI(TVLC)
2018	Ms. Jincy	Associate Professor	Best paper Award @ Heticon

2019	Dr.T.Felix Kala	Dean	RULA Awards Best Doctor in Construction Materials
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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
BSc	Allied Health Science	2018	01/10/2018	17/10/2018
BSc	Allied Health Science	2019	27/03/2019	11/04/2019
MBBS	Medical	2019	09/03/2019	18/03/2019
BDS	Dental	2018	11/10/2018	29/10/2018
BPT	Physiotherapy	2018	12/10/2018	23/10/2018
BSc	Nursing	2018	27/09/2018	29/10/2018
BPharm	Pharmacy	2019	17/05/2019	27/05/2019
MDS	Dental Surgery	2019	21/06/2019	03/07/2019
MPT	Physiotherapy	2018	03/10/2018	23/10/2018
MSc	Nursing	2018	24/09/2018	29/10/2018
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2.5.2 – Average percentage of Student complaints/grievances about evaluation against total number appeared in the examinations during the year

Number of complaints or grievances about evaluation	Total number of students appeared in the examination	Percentage
0	0	0

## 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)

<a href="http://www.drmgrdu.ac.in">http://www.drmgrdu.ac.in</a>
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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
<b>No Data Entered/Not Applicable !!!</b>					
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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)

### CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION

#### 3.1 – Promotion of Research and Facilities

##### 3.1.1 – Teachers awarded National/International fellowship for advanced studies/ research during the year

Type	Name of the teacher awarded the fellowship	Name of the award	Date of award	Awarding agency
International	Dr. C.B. Senthilkumar	Fellow (FSIESRP)	21/05/2019	SIESRP (Malayasia)
International	Dr.T.V.Ananthan	Certificate of Appreciation	15/09/2019	Sheffield Hallam University, UK
International	Dr.N.Kanya	Certificate of Appreciation	15/09/2019	Ravensbourne University, UK
National	Dr.Nadeem jeddy	Fellowship of IAOMP	16/11/2018	IAOMP

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##### 3.1.2 – Number of JRFs, SRFs, Post Doctoral Fellows, Research Associates and other fellows in the Institution enrolled during the year

Name of Research fellowship	Duration of the fellowship	Funding Agency
Research Associate	4	Dr.MGR ERI
Research Associate	4	Dr.MGR ERI
Research Associate	4	Dr.MGR ERI
Research Associate	4	Dr.MGR ERI
Project Fellow/APJ	3	SERB
Research Scholars /MCA	3	Dr.MGR ERI
Junior Research Fellowship	2	Coir Board,MSME

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#### 3.2 – Resource Mobilization for Research

##### 3.2.1 – 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
International Projects	1	PROQUEST	100000	100000
Students Research Projects (Other than compulsory by the University)	3	NewGen IEDC	1800000	600000
Major Projects	1	MSME	625000	300000
Interdisciplinary Projects	1	NEWGEN, IEDC	250000	250000

International Projects	2	University of North Dakota	150000	150000
Minor Projects	1	MSME	300000	0
Minor Projects	1	NEWGEN IEDC	250000	250000
Students Research Projects (Other than compulsory by the University)	1	Funding under the Startup Nidhi from the Govt. of India	3000000	3000000
Major Projects	2	Coir Board, MSME	29900000	7500000
Industry sponsored Projects	3	G.R.P. Madras Pvt.Ltd	990000	990000
Any Other (Specify)	1	Dr M.G.R Educational and Research Institute	100000	100000
Major Projects	3	SERB, DST	29654000	400000
Students Research Projects (Other than compulsory by the University)	15	DSTNEWGEN IEDC	2500000	2500000
Any Other (Specify)	1	Dr M.G.R Educational and Research Institute	200000	50000
Minor Projects	1	NEWGEN IEDC	250000	250000
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### 3.3 – Innovation Ecosystem

3.3.1 – 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
One Day Workshop on Fuel Cell Technology	Chemical	10/08/2018
Workshop on R Programming	CSE	27/09/2018
Hands on training on Estimation of Existing Building	Civil	18/09/2018
National Workshop on Basics of CanSat and Rocketry	ARI	06/09/2018
work shop on Tally	MBA	25/09/2018
"GIS Application GeoBytes'18"	Civil	25/07/2018
Industry 4.0	Mechanical	23/07/2018

Empowerment of Electrical minds	EEE	03/10/2018
Market Study Real Estate Management	B.Arch	18/07/2018
computer application in designCADD	B.Arch	04/07/2018
EXPEDITION Fundamentals to Advanced Biotechnology	APJ Research Centre	09/07/2018
One Day Workshop on Softskills Enhancement	ECE	17/08/2018
Hands on Training writing research article	CVR Journal Club	24/06/2019
Workshop on image processing using python	MCA	29/04/2019
Training on Molecular Biology and Bioinformatics tools	APJ Research Centre	11/03/2019
AICTE Indian Taiwan Seminar	Office of International Relations	24/04/2019
Aggrandize the Learning through Interactive Methods	IQAC	03/05/2019
Enhancing the learning process through Digital Techniques	IQAC	23/04/2019
construction engineering and management Quality Management	B.Arch	10/04/2019
Plan CADD Next	ET (I Yr)	02/04/2019
Enhancing Skill Training Towards Sustainable Future	Skill Development Cell	08/04/2019
Seminar on Landscape Construction Water features	B.Arch	29/03/2019
fiberglass workshop	B.Arch	18/03/2019
Cultural And Sacred Landscape	B.Arch	27/03/2019
Skill Training for Students	Skill Development Cell	25/03/2019
Seminar on Editing	Viscom	21/03/2019
Seminar on Television Production	Viscom	21/03/2019
Case Study Visit	B.Arch	07/03/2019
Effect on HVAC System Design with Lighting	B.Arch	18/03/2019
Personality and Skill Development	Career Guidance Cell	13/03/2019

Innofy Week2019	APJ Research Centre	25/02/2019
Trends in Banking and Financial Services	BBA/MBA Finance Planning	06/03/2019
One day Handson Workshop on Basics of Python Programming	CSE	01/03/2019
Bioinformatics tools	Biotechnology	25/02/2019
International Seminar	ECE	10/12/2018
Seminar in Artificial Intelligence	ECE	10/12/2018
National Seminar on VLSI Architecture For Digital Signal Processing	ECE	08/12/2018
"Enhancing Higher Order Thinking Skills (Hots) For Quality Improvement"	IQAC	12/12/2018
3 days workshop on MS PROJECT software	B.Arch	29/11/2018
Wire model workshop	B.Arch	17/11/2018
Workshop on learning to use End Note	APJ Research Centre	08/11/2018
Planting Workshop2 Nursery management	B.Arch	26/11/2018
How to Celebrate Education?	English	19/11/2018
Real Estate management Feasibility study	B.Arch	31/10/2018
Workshop on Troubleshooting and Servicing of two Wheeler Four Wheeler	Mechanical	03/10/2018
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### 3.3.2 – 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
Zero Waste RO System	Runner Up Award - SIH 2019	MHRD	12/07/2019	National Level
Projects under the centre With Coir development board -developing acoustic panel using coir waste, flyash, gypsum, saw dust and cowdung.	Mr. Mithil Solanki, Mr. Pavan Kalyan and Mr. Pankaj Jangid	Funding under the Startup Nidhi from the Govt. of India	19/11/2018	B. Arch

Technocian Championship'18	Dinesh.S.P	International Robotics League,4th Edition World Robotics	01/07/2018	Technical/International Level
Intelligent Creativity Contest	L.Madheswaran Kingly Melwin	Intelligent Iron man Creativity Contest , Taiwan	15/08/2019	International
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### 3.3.3 – No. of Incubation centre created, start-ups incubated on campus during the year

Incubation Center	Name	Sponsered By	Name of the Start-up	Nature of Start-up	Date of Commencement
DST NewGen IEDC (Innovation Entrepreneurship Development Centre)	Dr MGR DST NewGen IEDC	DST	Fenice Technical Solutions LLP	Electrical and electronics, Robotics, RE and Transformers	16/01/2019
DST NewGen IEDC (Innovation Entrepreneurship Development Centre)	Dr MGR DST NewGen IEDC	DST	PPM design studio LLP	Acoustics Panels and Design	15/02/2019
TCS and BOSCH	TCS and BOSCH	TCS and BOSCH	TCS and BOSCH	Life Skill, Employability skill development	15/09/2019
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### 3.4 – Research Publications and Awards

#### 3.4.1 – Ph. Ds awarded during the year

Name of the Department	Number of PhD's Awarded
Computer Science Engineering	4
Mechanical Engineering	3
Electronics and Communication Engineering	3
Civil Engineering	9
Electrical Electronics Engineering	2
Biotechnology	2
Biotechnology (ET)	2
Computer Applications	4
Electronics Instrumentation Engineering	1
English	2

Commerce	1
Management Studies	3
Periodontics	4

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

Type	Department	Number of Publication	Average Impact Factor (if any)
International	Mechanical	63	2.61
National	Dr. APJ Abdul Kalam COE	1	5.87
International	Dr. APJ Abdul Kalam COE	2	2.15
National	Economics	1	0
National	Psychology	2	0
National	Faculty of Pharmacy	12	3.91
International	Faculty of Pharmacy	2	0.28
International	CSE	2	1.68

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

Department	Number of Publication
Engineering Technology	10
Humanities Sciences	15
Medical Sciences	10
Others	5

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### 3.4.4 – Patents published/awarded/applied during the year

Patent Details	Patent status	Patent Number	Date of Award
<b>No Data Entered/Not Applicable !!!</b>			

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### 3.4.5 – 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
<b>No Data Entered/Not Applicable !!!</b>						

[View File](#)

### 3.4.6 – 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
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Microarray and pattern miner analysis of AXL and VIM gene networks in MDA?MB?231 cells	Sudhakar Natarajan, Venil N Sumantran, Mohan Rang anathan, Suresh Madheswaran	Molecular medicine reports	2019	19	0	Department of Biotechnology, Faculty of Engineering and Technology, Dr. M.G.R. Educational and Research Institute, Tamil Nadu, Chennai 600095, India, Dr. A.P.J. Abdul Kalam Centre for Excellence in Innovation and Entrepreneurship, Dr. M.G.R. Educatio
Can the vagus nerve serve as biomarker for vata dosha activity?	Venil N Sumantran, Pratibha P Nair	Journal of Ayurveda and integrative medicine	2018	19	0	Dr. A.P.J. Abdul Kalam Centre for Excellence in Innovation Entrepreneurship, Dr. M.G.R. Educational and Research Institute, Deemed University, Maduravoyal, Chennai, 600095, India National Ayurveda Research Institute for Panchakarma, CCRAS, Ministry

Assess the perceived health beliefs among mothers of infants on adherence to vaccination	Hepzibha.S , Hepsibah.S	International Journal of Emerging Technologies and Innovative Research	2019	3	0	Dr. A.P.J. Abdul Kalam Centre for Excellence in Innovation Entrepreneurship, Dr. M.G.R. Educational and Research Institute, Deemed University, Maduravoyal, Chennai, 600095, India ACS Medical College and Hospital, Dr. M.G.R. Educational and Research
Fitness Evaluation System (FES) for Alinest estimate by machine learning over big health sensor data	P.Dinesh Kumar	Journal of Computational and Theoretical Nanoscience	2019	2	0	Dr.M.G.R.Educational Research Institute
Extraction of Sequence of Actions from Unstructured Requirements Specification Document	S. Geetha	Journal of Computational and Theoretical Nanoscience	2019	2	0	Dr.M.G.R.Educational Research Institute
Signal strength based self reconfiguration to ensure reliability	T.V.Ananthan	Indonesian Journal of Electrical Engineering and Computer Science	2018	2	0	Dr.M.G.R.Educational Research Institute

in wireless sensor networks						
An adaptive self reconfiguration mechanism for improving reliability in wsn	T.V.Ananthan	Indian Journal of Public Health Research and Development	2018	2	0	Dr.M.G.R.Educational Research Institute
AcrseIkAn attribute based confidentiality retaining searchable encryption technique using inter keyword for protected cloud storage	Victo Sudha George	International Journal of Recent Technology and Engineering (IJRTE)	2019	1	0	Dr.M.G.R.Educational Research Institute
Seed Classification using Multi Feature Extraction	R. Shobarani	International Journal of Innovative Technology and Exploring Engineering	2019	1	0	Dr.M.G.R.Educational Research Institute
Statistical Analysis of Random Forest on Real Estate Prediction	R. ShobaraniC	International Journal of Innovative Technology and Exploring Engineering	2019	1	0	Dr.M.G.R.Educational Research Institute
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#### 3.4.7 – Faculty participation in Seminars/Conferences and Symposia during the year

Number of Faculty	International	National	State	Local
Attended/Seminars/Workshops	35	119	156	239
Presented papers	22	64	10	16

Resource persons	2	14	7	8
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### 3.5 – Consultancy

#### 3.5.1 – Revenue generated from Consultancy during the year

Name of the Consultan(s) department	Name of consultancy project	Consulting/Sponsoring Agency	Revenue generated (amount in rupees)
Centre for smart Robotics, Space Technology and Renewable Energy, Advanced Research Institute	Development of under water vehicle (BioMimicking Fish)	IIT INDORE Through G.R.P Madras Industries Pvt.Ltd	990000
SLL Architects Associates	Ground floor architecture lobby design and execution	ACS Groups	3521887
SLL Architects Associates	First floor architecture lobby design	ACS Groups	169920
CSE	Three Weeks Internship Programme June 3rd to 21st 2019	IBM and Smartbridge	53000
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#### 3.5.2 – Revenue generated from Corporate Training by the institution during the year

Name of the Consultan(s) department	Title of the programme	Agency seeking / training	Revenue generated (amount in rupees)	Number of trainees
CSE IT	Java Fundamentals	Oracle (MGR trainers)	81000	81
CSE IT	Linux	RJP	124000	48
CSE IT	Oracle	Oracle	108500	31
<a href="#">View File</a>				

### 3.6 – Extension Activities

#### 3.6.1 – 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 activities	Number of students participated in such activities
Save One unit per Day	EnSAv and Waste Management club	2	40
Institutional Social Responsibilities	MCA	3	82
Helmet Awareness	BBA/MBA Finance Planning	4	50

Educate and Compute	CSE	2	75
Sharing and Caring version 3.0	CSE	4	25
Health Hygiene	MBA	5	100
CSR Programme on Water Conservation	Civil	3	60
Dengue Awareness	Biotechnology	2	50
Cycle to Save Energy and Plant Tree Promote Engineering for Change	EnSAv and Waste Management club	15	300
Blood donation camp on Founders day celebration	B.Com	4	50
ISR EVENT - PLANT SAPLING	Comm CMA	3	50
ERADICATION OF SINGLE USE PLASTICS	Chemical	4	300
ISR Event on Greening the Planet	EEE	3	250
ISR Event on Water Quality Awareness Camp	ET (I Yr)	3	100
Zero Waste Week	ET (I Yr)	4	100
Tree Saplings, Blood Donation Camp Distribution of Free Note Books	B.Com	2	50
EYE DONATION EYE CHECKUP	B.Com	2	70
ISR Event on Unity in Diversity	B.Com	3	50
Earth Day Celebration	B.Com	2	50
Reaching the Unreachable	English	3	95
ORP Out Reach Program	Literary Seminary	2	30
ISR Programme on Seasonal Diseases and Precaution	Civil	3	60
ISR Event on Educate and Compute	CSE	4	100
AWARENESS ON VOTING	Mechanical	2	20
Mold the Young	EnSAv and Waste	4	500

	Management club		
Water conservation	EEE	3	150
Road Safety Week Plastic	B.Com	2	200
Water Quality Analysis for Society	Civil	2	40
ISR on Women safety	MBA	3	100
Reaching the Unreachable	English	2	40
ISR Event on Energy Saving	EEE	4	100
Save Precious Life Blood Donation	B.Com	2	50
ISR On Self Defence	MCA	3	100
CSR EVENT ON ?????? ???????????????????? ???????????????????? ???????????????? ???????	Chemical	4	250
Summer Health Tips	EEE	3	150
Conservation of Drinking Water	ECE	2	80
youth day	B.Com	4	400
Mentoring ATAL Tinkering Labs	APJ	3	250
Plastic Awareness Campaign	APJ	1	100
National workshop on introduction to CANSAT and Rocketry	Advanced Research Institute	2	60
Water Conservation	ISR	4	25
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3.6.2 – 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
Funding under the Startup Nidhi from the Govt. of India	Best Research paper	Govt. of India	3
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3.6.3 – 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 activities	Number of students participated in such activities

Swatch Bharat	NSS	Campaign against antiplastic, Tree plantation	1	10
Swatch Bharat	NSS	Tree plantation	10	4
Swatch Bharat	Unit III	Cleaning Street School Ground, Campus Beautification Using Painting School Walls, Conducting Door to Door Campaign about Power Saving, Skit on Ground Regarding Environment Saving	3	100
Safety Awareness Programme	City Traffic Police, Tamilnadu	HELMET Awareness	6	24
ISR	NSS	Water Conservation	4	20
ISR	NSS	Energy Saving	5	20
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### 3.7 – Collaborations

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

Nature of activity	Participant	Source of financial support	Duration
Research	Inter-faculty with Faculty of Dental surgery and physiotherapy	Self	183
Designing	Ar. Suresh Babu. P	ACS Groups	365
Students Exchange	M.Jayabalaji & Jayapreethi	University	2
Students Exchange	Vijay Kumar & Charan Singh	University	2
faculty exchange	Dr.T.V. Ananthan	University	1
faculty exchange	Dr. N. Kanya	University	1
Learning Advanced Technologies	Sheffield Hallam University	Dr.MGR.ER.Institute	2
Project At Sheffield University, Uk	EEE	Self University Sponsor	2
Short Term Program At Yuan Ze University Taiwan	EEE	Self University Sponsor	10
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3.7.2 – 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
Project Discussion	Army Boat Project	Ministry of Defence	15/05/2018	15/12/2019	ARI
Joint Development of Technology Demonstrator (Mutual Peer to Peer collaboration)	Renewable Energy powered Autonomous Boat	MHRD Teaching Learning Centre for Design and Manufacturing ,Indian Institute of Information Technology, Design and Manufacturing Kancheepuram	15/12/2018	15/06/2019	Students of IIT Guwahati, IIT Sri City and Dr.M.G.R Educational and Research Institute participated in the project as interns and both laboratories were shared to develop the vehicle
Industry Institute Interaction	Internship	AIEMA	15/08/2018	15/09/2018	5
Industry Institute Interaction	Internship Project	SANDS	15/01/2019	15/04/2019	15
Industry Institute Interaction	Internship Project	IIITDM, Kancheepuram	15/01/2019	15/04/2019	4
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3.7.3 – 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
3D PRINTOO Pvt Ltd Chennai	26/03/2019	Education and Research	15
Four step Training Solutions Pvt Ltd, Chennai	15/06/2019	Education and Research	30
Makerspace lab pvt ltd, Chennai	15/06/2019	Education and Research	15
IFCA Professional Associations Other	15/07/2019	Participation in Conferences,	10

names		meetings receiving News letters updating industry information	
AUSTON UNIVERSITY	15/06/2018	Workshop	12
SOUTH URAL STATE UNIVERSITY	15/05/2019	Collaborative Design workshop	10
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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
77500000	71940000

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Campus Area	Existing
Class rooms	Newly Added
Laboratories	Newly Added
Seminar Halls	Existing
Classrooms with LCD facilities	Newly Added
Seminar halls with ICT facilities	Newly Added
Video Centre	Newly Added
Value of the equipment purchased during the year (rs. in lakhs)	Newly Added
Number of important equipments purchased (Greater than 1-0 lakh) during the current year	Newly Added
Classrooms with Wi-Fi OR LAN	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
KOHA	Partially	17.05.03.000	2017

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	173359	17335900	4379	1739374	177738	19075274
e-Books	9238050	0	0	0	9238050	0
e-Journals	36535	0	385	1038490	36920	1038490
Others (specify)	1160	475030	0	0	1160	475030

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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	Platform on which module is developed	Date of launching e-content
Ar. Mookambika. BA	Infrastructure Planning Management	NPTEL	15/06/2019
Dr .S. Valliammai, Ms.M.Sasikala	PDF	Digital Learning	15/06/2019
S.Radhakrishnan	Eye Piece	Optics	17/06/2019
Ms. Shruti	Economics Syllabus	App created by Univ.	02/07/2019
Ms. Iyswarya Raghavi	Economics Syllabus	App created by Univ.	02/07/2019
Divya Devi	Psychology Syllabus	App created by Univ.	02/07/2019
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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 (MGBPS)	Others
Existing	2503	2119	2503	220	0	114	50	650	0
Added	246	201	0	30	0	11	4	0	0
Total	2749	2320	2503	250	0	125	54	650	0

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

650 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
Green Mate Studio and Production House	<a href="http://www.drnggrdu.ac.in">http://www.drnggrdu.ac.in</a>

#### 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 incurred on maintenance of physical facilities
55000000	51065000	22500000	20875000

##### 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)

Laboratory: Each department has the required number of fully equipped labs for use by students. In addition, two labs fully dedicated to research work are

also functional. Students, faculty members and research scholars of the University are free to use any facilities in any of the labs provided they obtain the required permission from the concerned Department Heads. Sports complex: The students of the University have complete freedom to use the playground for the outdoor games. The gym facilities available can also be utilized after class hours. Students from various departments undergo selection trial to participate in specific sports event. Once selected the competent team represent the University for South Zone Inter University and All India interuniversity sports events and have won laurels. Library Students making their entries in the library gate register with Name/Roll /Register No./Department/ Time In time Out is mandatory Personnel belonging such as bag, Books, Mobile Phones etc. were not allowed inside the Library. Note books are allowed. Library users were not allowed with already barrowed books inside the Central Library. Books and other periodicals will be issued only on producing the membership card id card. If the book returning due dates falls on a holiday for the library, the next working day will be taken as the due date. The book already barrowed has to be produced in the library for renewal and more than one renewal will not be allowed. Membership card has to be produced in the library at the time of no due certificate request. Sufficient class rooms and computers are available. Class rooms being the doorstep of learning, Students are allowed to use the classrooms for all interactive teaching and learning modules. Computers are utilized for all learning and research activities by both faculty members and students.

<http://www.drmgrdu.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	President Scholarship	193	8435350
Financial Support from Other Sources			
a) National	Scholarship Minority	34	876080
b) International	Nil	0	0
<a href="#">View File</a>			

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
Remedial coaching	15/07/2018	200	Faculty Members
Bridge Course For First Year Students	14/07/2018	40	Ar. Rama Subramaniyan
BOSCH	03/01/2018	22	University
TCS	03/10/2018	32	University
Yoga Classes Conducted	21/07/2018	20	Sky Yoga For Hlistic Health - Foundation Center
Language	15/09/2018	25	Faculty of English

Enhancement class Mentoring and Counselling for slow learners			Dr.M.G.R.Educationa l and Research Institute
Yoga	15/06/2018	459	Faculty of AHS
Personal Counselling and Mentoring	15/10/2018	26	Institution
Soft Skill Development Language Lab	15/05/2018	35	Institution
<a href="#">View File</a>			

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

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 passed in the comp. exam	Number of students placed
2018	Dr M.G.R IAS Academy provides Guidance for Competitive Exam	550	0	0	0
2018	Psychometric & online Aptitude test	100	600	0	1
2018	Career Guidance UTSAV 2019	100	600	0	2
2018	Career Counselling and Guidance	150	600	0	1
2018	Personality and Skill Development	150	600	0	1
2018	Career Orientation Program	200	600	0	2
2018	Career Talks by Professionals	150	600	0	1
2019	Career Awareness Program	100	600	0	1
2019	Online Aptitude Test	100	600	0	1

2019	Soft Skill Training	200	600	0	1
<a href="#">View File</a>					

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		
Name of organizations visited	Number of students participated	Number of students placed	Name of organizations visited	Number of students participated	Number of students placed
Excel Sheet Uploaded	705	563	Nil	115	89
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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	Department graduated from	Name of institution joined	Name of programme admitted to
2019	9	BBA MBA	BBA MBA	Nil	PHD AND MPHIL, MBA
2018	3	B. ARCH	Architecture	Dr. M.G.R. EDU. & RES. INS.	M. ARCH
2018	8	B.Sc	Chemistry	Dr.M.G.R.Educational and Research Institute Presidency College Bharathi Womens college B.Ed college	M.Sc B.Ed
2018	2	B.Sc	Physics	Vaisnava college	M.Sc
2019	2	B.Sc	Hotel Management	Dr. M.G.R. EDU. & RES. INS.	M.Sc
2019	1	BA	English	Dr. MGR ERInstitute	Bachelor of Law
2018	6	B.Tech	Mechanical	St.Joseph Institute of Management, Trichy, ISDE, Barcelona, Sp	MBA, M.S. Sports management, M.S. Material Engineering, M.Tech

ain,Paderbor n University ,Germany,B.T .U.Cottbus,S enftenberg,G ermany,Dr.M. G.R.Educatio nal and Research institute	Industrial e ngineering., M.S(Power En gineering),M .S.(Mechatro nics)
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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
Any Other	3
No file uploaded.	

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

Activity	Level	Number of Participants
RAIN'19	Institution Level	100
SKETCH '19	Inter Level	50
Sports Cultural	Institutional	15
Competitions	Intercollegiate	10
Cultural Activity Sports	Intra University level All departments in the Faculty together	61
YACE Celebration	Intra university	50
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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
No Data Entered/Not Applicable !!!						
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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)

Through the student council named Magic Association various club activities like YACE, STEM, and LITERARAY SEMINARY etc. Function actively. Students involve themselves into various events under these clubs and showcase their talents and awards were also presented. Internal Quality Assurance Cell (IQAC) involve students in its every quarterly meeting to understand their views on the set agenda. Anti Ragging Committee,IQAC composition also includes a student representative. In the Academic events like seminar, symposium, conferences and Cultural events organized in the name of Rain student organizers play major role.

### 5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

Yes

MGR Alumni Association (MAA) seamlessly connect alumnus with the Institute, faculty, students and fellow alumni The objectives of this association are: • To establish and maintain an alumni association structure Board, Chapters, Batch representatives enabling the smooth governance of the association. • To inspire alumni to enhance their total participation for their personal growth and for the university. • To provide a platform for the alumni to deliver their expertise to their junior batch. • To strengthen ties between the Institute and alumni and encourage them to participate in the various cultural and social activities.

5.4.2 – No. of registered Alumni:

16036

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

150000

5.4.4 – Meetings/activities organized by Alumni Association :

Sl.Num	Events Name	No of the Events	No of Participants	Total Alumni
1	Interaction Lectures	30	300	2
2	Silver Jubilee and Decennial Reunion	5	340	3
3	Alumni Service	80	80	4
4	Alumni UG/PG Scholarship	16	16	5
5	MAA Committee Meeting	52	550	6
6	Silver Jubilee and Decennial Reunion	5	340	7
7	Total Alumni Interaction Lectures	30	300	

## 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)

Participative system of management is encouraged through representation of faculty in various committees which includes Anti Ragging Committee, Grievance redressal Cell , Internal Complaints Committee, University convocation awarding ceremony, Departmental events coordinators, Board of studies and Academic councils. Joint Registrars and Deans were appointed for different campus which paves a new way of decentralization.

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	<ul style="list-style-type: none"> <li>A curricular development cell exclusive for the particular domain enhances the curriculum and syllabus based on the requirement of stake holders. The quality of which is analyzed by the academic council. New courses have been identified depending on the societal demand every now and then which in turn approved by the academic council after analyzing the employability and infrastructure</li> </ul>

	facility for that particular programme.
Teaching and Learning	<ul style="list-style-type: none"> <li>The academic staff college of the University organize faculty development programmes for the faculty members on various agenda enhancing their teaching and learning skills. Apart from this, various Departmental FDPs enhancing Technical teaching skills of the faculty members were also organized. Almost all the faculty members use the ICT tools for teaching. Interactive learning modules are employed to make the learning process enjoyable.</li> </ul>
Examination and Evaluation	<ul style="list-style-type: none"> <li>The assessment process starts right from the classroom. To make the student familiarize the course open book test is conducted and included in the internal assessment process. The programme outcome is achieved by direct and indirect assessment.</li> </ul>
Research and Development	<ul style="list-style-type: none"> <li>The University has constituted a Research Committee headed by a senior researcher. The committee caters to all spheres of research promotion. The institution has identified thrust areas for carrying out research activities. Budget is allocated for research on annual basis. The institution motivates faculty and students by awards, research facilities monetary support.</li> <li>• Paid leave for attending workshops/conferences and travel grants for International conferences were allotted to eminent researchers.</li> <li>• Research methodology workshops were organised.</li> </ul>
Human Resource Management	<ul style="list-style-type: none"> <li>The institution on pace with the growth has put in place appropriate mechanisms for assessing the anticipated man power requirement on a regular basis, training assessment for teaching and non teaching staff. The University conducts different programmes for human resource training and development.</li> </ul>
Industry Interaction / Collaboration	The University had set up an Industry Institute Partner Cell and through this internship and training programmes were offered to both students and faculty members.
Library, ICT and Physical Infrastructure / Instrumentation	Library Resources were upgraded often with new reference materials and EJournals.

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

E-governance area	Details
Planning and Development	Various Events Planned and Implemented through sub units like:Academic Staff College,Industry Institute Planning Cell,APJ Abdul Kalam Centre of Excellence,Advanced Research Institute,Skill Development Cell,IQAC,Digital Monitoring Cell are governed through the digital portal Jack Prodigy.
Examination	University Examination Schedule and Results were published through the university portal.Through the national academic depository the student can download their degree certificates.
Administration	Exchange of Information between the governing body,all other statutory committee and the faculty members in turn the students take place through E Governance

### 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	S. Vilasini	COA Workshop/ Training Program	Dr. M.G.R Educational and Research Institute	5000
2018	A. Harinya Meenu	COA Workshop/ Training Program	Dr. M.G.R Educational and Research Institute	5000
2018	P. Sona	COA Training Program At Banglore	Dr. M.G.R Educational and Research Institute	5000
2018	B.A. Mookambika	COA Training Program At Banglore	Dr. M.G.R Educational and Research Institute	5000

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6.3.2 – Number of professional development / administrative training programmes organized by the University 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	From date	To Date	Number of participants (Teaching staff)	Number of participants (non-teaching staff)
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		staff				
2018	Geriatrics and Stemcell Therapy	ASC	18/07/2018	18/07/2018	50	0
2018	Faculty Development Program	EEE	05/12/2018	13/12/2018	50	0
2018	Faculty Development Program on Leadership Skills	IIPC	13/07/2018	14/07/2018	50	0
2018	Effective Class Room Management	B.Com	20/06/2018	20/06/2018	50	0
2018	FDP on Ethical Hacking	MCA	26/03/2018	26/03/2018	10	0
2018	DATA COLLECTION FOR RESEARCH	B.Arch	02/05/2018	02/05/2018	15	0
2018	Faculty development Programme	APJ Research Centre	08/01/2018	08/01/2018	50	0
2018	Faculty Development Program	EEE	30/04/2018	05/05/2018	50	0
2018	Womens Fest	MBA	07/05/2018	07/05/2018	50	0
2018	FDP on Rethinking the Skills Gap	APJ Research Centre	08/01/2018	08/01/2018	30	0
2019	Faculty Leadership Workshop	APJ Research Centre	14/06/2019	14/06/2019	50	0
2019	Faculty development program	B.Com	07/06/2019	07/06/2019	50	0
2019	FDP on Developing Inter personnel and leadership skill	MBA	07/05/2019	10/05/2019	50	0
2019	Refresher Inspire	ASC	17/05/2019	17/06/2019	50	0
2019	Research M	ASC	13/05/2019	13/05/2019	30	0

	ethodology Shiksha					
2019	Orientatio n Program Paradigm	ASC	09/05/2019	10/05/2019	30	0
2019	FDP On Smart Phone Security	CSE	16/04/2019	16/04/2019	40	0
2018	Buliding Leaders	ASC	20/12/2018	20/12/2018	50	0
2018	Faculty De velopment Program	Mechanical	11/12/2018	11/12/2018	50	0
2018	"UNDERSTAN DING THE LEARNER AND LEARNING PROCESS"	ASC	27/11/2018	30/11/2018	100	0
2018	MDP on Team Building	MBA	12/12/2018	12/12/2018	70	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
Champion Women MGR	30	14/06/2019	14/06/2019	1
Civil 2019 Even Faculty Development Program Staad Pro	20	25/06/2019	26/06/2019	2
faculty development program	50	07/06/2019	07/06/2019	1
FDP on Developing Inter personnel and leadership skill	20	07/05/2019	10/05/2019	4
Refresher Inspire	50	17/05/2019	17/05/2019	1
Outreach Program	75	16/05/2019	16/05/2019	1
Research Methodology	30	13/05/2019	13/05/2019	1

Shiksha				
Orientation Program Paradigm	30	09/05/2019	10/05/2019	2
FDP On Smart Phone Security	40	16/04/2019	16/04/2019	1
Strategies in Teaching Language and Literature	30	11/04/2019	12/04/2019	2
Womens Day Celebration2019	45	08/03/2019	08/03/2019	1
Pedagogy of Teaching Mathematics	50	14/02/2019	14/02/2019	1
Faculty Industrial Learning	15	04/05/2019	08/05/2019	5
Incubation Opportunities	50	26/02/2019	26/02/2019	1
P "CUBE"	50	02/01/2019	02/01/2019	1
Faculty Development Program	25	11/12/2018	11/12/2018	1
"Understanding The Learner And Learning Process"	50	27/11/2018	30/11/2018	4
MDP on Team Building	100	12/12/2018	12/12/2018	1
Faculty Development Program	20	05/12/2018	13/12/2018	9
Faculty Development Program on Leadership Skills	50	13/07/2018	14/07/2018	2
Basics Of Python Programming	40	22/06/2018	22/06/2018	1
Primavera Software	15	26/06/2018	26/06/2018	1
Effective Class Room Management	50	20/06/2018	20/06/2018	1
FDP on Ethical Hacking	10	26/03/2018	26/03/2018	1
Data Collection For Research	15	02/05/2018	02/05/2018	1

Womens Fest	20	07/05/2018	07/05/2018	1
Developing Entrepreneurial mindsets for Startup	50	08/10/2018	11/10/2018	4
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6.3.4 – Faculty and Staff recruitment (no. for permanent recruitment):

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
0	1277	0	1325

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
Holidays and Vacations, Promotions, Employees Provident Fund, Grievances Handled, Sponsorship for Higher Studies, Sufficient time to devote various activities.	Holidays and Vacations, Promotions, Employees Provident Fund, Grievances Handled, Sponsorship for Higher Studies, Sufficient time to devote various activities.	Cultural, Scholarship

**6.4 – Financial Management and Resource Mobilization**

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

Yes. The Institution regularly conducts internal and external financial audits by qualified practicing chartered accountants and all the income tax returns were filed in time as per the IT Act.

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/Trust	16250000	Academic/Administrative
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6.4.3 – Total corpus fund generated

150000000
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**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, NAAC	Yes	Other Faculty/Dept
Administrative	Yes	ISO, NAAC	Yes	HoD/Deans

6.5.2 – What efforts are made by the University to promote autonomy in the affiliated/constituent colleges? (if applicable)

Applicable. Full autonomy given to all constituent colleges to function in a decentralized manner.

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

Suggestions from PTA to monitor the performance of their wards were implemented. Parents from PTA were involved in IQAC Meetings, Curricular development cell.

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

1. Talk on Stress Management Positive Thinking 30Mar2019 2. Awareness Camp on Know your Health Treat Your Health Accupressure Therapy 21Mar2019 3. Workshop on Trouble Shooting in Home Appliances 24Oct2018

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

1. Student and Staff Exchange programs with premier institution abroad through office of International Relations. 2. Department of Bio Technology and CSE were subjected to ABET Accreditation 3. Created Center for smart Robotics, Space Technology, strengthened Industry Institute Planning Cell and Renewable energy in Advanced Research Institute 4. UGC quality mandate student induction program is continued to be practice.

6.5.6 – 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

6.5.7 – 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	III Quarterly University IQAC Meeting Quality improvement initiatives of the Departments in the academic year 2017 2018 Identifying "Best Practices" planned by the Departments for the academic year 2018 2019	24/09/2018	24/09/2018	24/09/2018	53
2018	IV Quarterly University IQAC Meeting Developing	08/01/2019	08/01/2019	08/01/2019	54

	industry relevant skills through internship and skill based training Introducing innovative courses for academic year 2019				
2019	I Quarterly University IQAC Meeting ICT for effective teaching with learning management system, elearning resources • Inter disciplinary project	21/03/2019	21/03/2019	21/03/2019	54
2019	II Quarterly University IQAC Meeting FACULTY INTERNSHIP TECHNICAL FDP	25/06/2019	25/06/2019	25/06/2019	52
2019	Enhancing the learning process through Digital Techniques	23/04/2019	23/04/2019	23/04/2019	63
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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
ISR Event on Unity in Diversity	31/05/2019	31/05/2019	26	24
English For All	09/02/2019	09/02/2019	75	25

ISR on Women safety	30/11/2018	30/11/2018	100	0
Reaching the Unreachable	09/07/2018	10/07/2018	25	15

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
<p>1. Under the aegis of Swachh Bharat Abhiyan (Clean India Mission) various programs like:cleaning public road,streets and color washing the walls of schools with thought provoking images and catchy words as an awareness of making eco friendly environment. 2. Tree saplings the planted around the campus on founder chancellor birthday. 3.Through MGR EnSav club a residential energy awareness program organized at Thirumullaivoyal and Primary audit was taken in 40 houses.The same club interacted with employees of Sal comp company and created awareness on energy saving.30 Percentage of power requirement generated through self renewable energy resources.</p>

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Physical facilities	Yes	10
Provision for lift	Yes	5
Ramp/Rails	Yes	1
Braille Software/facilities	Yes	20
Rest Rooms	Yes	80

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
2018	2	2	15/01/2018	0	CSR	Wall Painting at Govt. School , Vellapanchavadi and sembakkam Lake Restoration	80
2019	2	2	20/01/2019	0	ISR Activity	Science awareness programme	102
2019	2	2	06/03/2019	0	ISR Activity	Food adulteration	24

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

Title	Date of publication	Follow up(max 100 words)
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Student hand book	23/08/2018	Student hand book is the explanation of rights, responsibilities and rules governing student conduct, follow up done each year and academic calendar
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#### 7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
International yoga day	21/06/2019	21/06/2019	250
Value based talk on the topic "Stay Positive Stay Successful"	10/10/2018	10/10/2018	60
Technical talk by Dr.B.V.S.Gurunadha Rao to address the students on the topic of Water Reclamation Reuse	03/10/2018	03/10/2018	56
Ethics in Campus	24/01/2019	24/01/2019	70

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

1. Awareness created to eradicate single use plastics
2. Students conveyed the public to conserve water through water conservation program under power club
3. An open event on Bio fertilizers insisted on replacing chemical fertilizers
4. To emphasize the need to protect the planet and preserve its environment earth day is celebrated.
5. Project related to pollution control encouraged.

### 7.2 – Best Practices

#### 7.2.1 – Describe at least two institutional best practices

1. Dr.M.G.R Digital Learning Monitoring Cell has been constituted on February 2019 through which Elearning was initiated throughout the Institution right from Department of Languages to Faculty of Medicine. The Road Map of the cell, Guidelines to prepare the Econtents and Documentation procedure were framed. In order to make the Eresources available to all, a mobile APP namely MGR Dig learn was created by the Students of our Institution and it is available in Google Play store
2. Magic Association organise events throughout the University in a well pre planned manner. All data regarding the events like feedback, attendance, photos have been uploaded in the digital portal. Faculty members and students were encouraged by Magic Association awards.
3. EnSAv (Energy Saving Avareness) club allows the student to showcase their talents and concern towards energy conservations and importance of implementing renewable sources. As students, parent and teachers are being sensitized towards "Energy Conservations" issues that confront each one of us today. Club was launched, with a motive to engage students, the future of our country, increasing awareness and taking their first steps in Energy Conservation. Today along with energy conservation, we are sensitizing students about resource scarcity, and effects of CO2 emissions.

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

<http://www.drmgrdu.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

Dr. M.G.R. Educational and Research Institute has received a 4 Star Rating from Ministry of Human Resource Development Innovation Cell (MIC) Govt. of India for the activities related to fostering a culture of innovation for the year 2018 - 19. MHRD's Innovation Cell (MIC) to systematically foster the culture of Innovation amongst all Higher Education Institutions (HEIs) has envisioned encouraging creation of 'Dr MGR Institution's Innovation Council' (DrMGRIICs). A network of these IICs (Across the Country) will be established to promote innovation in the Institution through multitudinous modes leading to an innovation promotion ecosystem in the campuses. Dr. MGRIIC encouraged students to participate motivational series India First Leadership Webinar Talk Series by Mr. Anand Mahindra, Dr. Anand Deshpande, Ms. Swetasree Majumdar, Dr. Ajit Doval, Prof. Anil Sahasrabudhe and Dr Ramesh Pokhriyal 'Nishank'. We encouraged student's participation in SIH 2019 and our students managed to enter in Grand finale 2019 hardware edition worked on industrial problem. We had a great interaction with Prof. Anil Sahasrabudhe the present chairman of ALL INDIA COUNCIL OF TECHNICAL EDUCATION. We have explained our prototype to him. He gave some valuable suggestions regarding our ideation. Our problem statement was given by ROBERT BOSCH we had to make a water purifier which is based on "Zero Water Wastage" to reuse the waste water in RO purifiers using Vacuum distillation process. Our students Mr. Madheshwaran, Mr. Dhilip, Ms. Aishwarya, Ms. Angel Student of EEE department and Incubatee of NewGen IEDC (Fenice Tech) got selected out of final 24 finalists in MHRD POC (Proof of Concept) Exhibition in AICTE Headquarters, New Delhi.

Provide the weblink of the institution

<http://www.drmgrdu.ac.in>

### 8. Future Plans of Actions for Next Academic Year

1) It is proposed to initiate Deeksharambh a quality initiative envisaged by the quality mandate of the UGC in conducting an induction program for students. This program for the Iyear B.Tech students of the University. 2) Learning outcome based curriculum frame work (LOCF) existing in the Faculty of ET is proposed to be extended to other faculties as well. An attempt will be made to revise curriculum based on the above mentioned concept. 3) Spread awareness among students and faculty members for greater use of ICT based learning tools. It is also proposed to familiarize online courses in MOOC, NPTEL etc 4) Social connect will be attempted by adopting village to impart awareness on health, education etc. 5) IndustryInstitution connect will be enhanced.