Yearly Status Report - 2014-2015

Part A	
Data of the Institution	
1. Name of the Institution	**MAHARAJ VIJAYARAM GAJAPATHI RAJ COLLEGE OF ENGINEERING**
Name of the head of the Institution	**Dr. K. V. L. Raju**
Designation	**Principal**
Does the Institution function from own campus	**Yes**
Phone no/Alternate Phone no.	**08922241732**
Mobile no.	**9440018656**
Registered Email	**principal.mvgr@gmail.com**
Alternate Email	**dean.ae@mvgrce.edu.in**
Address	**Vijayaram Nagar, Chintalalavalasa (PO)**
City/Town	**VIZIANAGARAM**
State/UT	**Andhra Pradesh**
Pincode	**535005**

2. Institutional Status

Autonomous Status (Provide date of Conformant of Autonomous Status)	**29-Apr-2015**
Type of Institution	**Co-education**
Location	**Rural**
Financial Status	**private**
Name of the IQAC co-ordinator/Director	**Dr. P. Ravindranadh**
Phone no/Alternate Phone no.	**08922241752**
Mobile no.	**9346317178**
Registered Email	**dean.sp.mvgr@gmail.com**
Alternate Email	**principal.mvgr@gmail.com**

3. Website Address

Web-link of the AQAR: (Previous Academic Year)	https://www.mvgrce.com/sites/default/files/NAAC/AQAR/AQAR%202013-14.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://www.mvgrce.com/sites/default/files/NAAC/AcadCal/ACs%202014-15.pdf

5. Accrediation Details

Cycle	Grade	CGPA	Year of Accrediation	Validity Period From	Period To
1	**A**	**3.23**	**2009**	**15-Jun-2009**	**14-Jun-2014**
2	**A**	**3.14**	**2015**	**03-Mar-2015**	**31-Dec-2020**

6. Date of Establishment of IQAC	**15-Jun-2009**

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
International Workshop on - Embedded Systems	05-Jan-2015 3	42
FDP on NI LabVIEW for Teaching and Research Applications	23-Jun-2014 5	26
Short Term Course on Analog and Mixed signal circuit design using Mentor Graphics Tools	13-Jun-2014 7	38
FDP on Cyber Physical System Using NI LabVIEW	04-Oct-2014 1	32
National Workshop on Building Competence in PLM Technology	29-Apr-2015 1	7
Windchill-Training	19-Jan-2015 8	7
A Two Day International Workshop on Synchrophasor Measurements for Smart Grid (IWSPM-2014)	21-Nov-2014 2	70
Analysis of Structures using Staad Pro	18-May-2015 6	25
State level Seminar on Water Resources of Andhra Pradesh	22-Mar-2015 1	80
Introduction To GIS	02-Jun-2014 7	30
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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
Mr. G. V. S. K. Pavan Kumar	Minor RP	UGC	2014 730	295000
Dr. T. V. N. ParthaSarathi	TM/WTI	DST	2014 730	2765940
Mr. B. Madhav Varma	Minor RP	UGC	2014 730	170000
Mrs. S. Jyothirmai	Minor RP	UGC	2014 730	400000
Mr. G. Ram Kumar	Minor RP	UGC	2014 730	340000
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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 :	**3**
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)

1. Plays key role in inculcating research culture among faculty and students.

2. Facilitates in organizing inter and intra institutional workshops, seminars, on various academic curricular, co-curricular and extracurricular themes including quality related themes

3. Facilitates in designing formats of Teaching Plans with focus on Learning Objectives, Outcomes and teaching methods including student centric and experiential learning designed.

4. Act as a nodal agency of the Institution for coordinating quality-related activities, including adoption and dissemination of best practices

5. Prepares Annual Quality Assurance Report (AQAR) as per guidelines and parameters of NAAC, to be submitted to NAAC.

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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
To apply to UGC for Autonomous Status	Institution has applied to UGC for Autonomous Status and got sanctioned vide letter No:3-1/2014AC(UGC-SCRO/EO) dated 29.04.2015. And subsequently confirmed by JNTUK. Boards of Study for various departments and Academic Council were constituted as per the

	guidelines. Governing Body and Finance Committee were reconstituted in line with the guidelines of Autonomy
To improve/review funded projects	A total of Rs.2,23,97,240/- got sanctioned by external funding agencies like UGC/AICTE/DST/MHRD etc…. The Institution is identified as District Skill Development Centre by Govt. of AP for local community
To improve/review placements	A total of 401 students out of 774 eligible students got placements in reputed organisations like TCS, IBM, Virtusa, Hyundai etc… The following is the summary: CSE:63, EEE:22, Mechanical: 98, ECE:88, Civil:20, Chemical:13, IT:32, M.Tech (CSE):7, M.Tech(ECE):1, MBA:53 and MCA:04
To improve/review academic performance of students	Following is the overall pass percentage of 2014-15 batch: CSE: 81.02%, EEE: 76.81%, Mechanical: 87.00%, ECE: 83.56%, Civil: 83.82%, Chemical: 75.00% and IT: 75.00%
To encourage faculty for high quality Research Publications	National Journals : 88 International Journals : 147 National Conference Publications : 71 International Conference Publications : 47 Total : 358 An amount of Rs. is disbursed to faculty as research incentives
To organise/conduct faculty development activities on emerging and latest technologies	As many as 14 faculty development activities such as Symposiums /FDPs/Workshops/Conferences were conducted during the period. Chemical: 03, ECE: 02, Mechanical: 02, Civil: 01, MBA: 03 totalling to 14
To encourage staff to pursue higher education by liberally granting academic leaves and financial assistance if norms permit	Faculty with PhD : 56 (23) Faculty submitted PhD : 08 Faculty Pursuing PhD : 69 NT Staff pursued higher education: 02 (Dip.in Engg)
To establish new lab to cater to the needs of MTech (Machine Design) students as per new curriculum	Established `Advanced Machines Lab' at approximated cost of Rs.18.6 Lakhs, in the Dept. of Mech. Engg.
To accommodate SIEMENS Labs sanctioned by AP Skill Development Centre	The existing lab infrastructure is expanded with an estimated cost of Rs.4.90 Lakhs so as to accommodate SIEMENS Labs. One of such labs is 'PLC & AC Drives' Lab. This lab is instrumental in improving additional industry skills and certification programs to students
To establish an exclusive General Computing Centre for students	An exclusive General Computer Centre with 80 systems is established in the 2nd floor of EEE Building
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14. Whether AQAR was placed before statutory body ?	Yes

Name of Statutory Body	Meeting Date
Management	12-Jun-2014

15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?	Yes
Date of Visit	29-Jan-2015
16. Whether institutional data submitted to AISHE:	Yes
Year of Submission	2014
Date of Submission	31-Oct-2014
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)	MVGR College of Engineering (A) has automated various services which were once done manually. Beginning from 2014, Management Information System, namely ECAP is used in order to automate these services. This ECAP can be accessed both at MVGR and through public terminals, outside MVGR. The following are the modules which are operational: 1) Admin Module (Academic Calendars, Branch Sections, Branches, Certificates, Courses, Credits, Departments, Fee Types, Lecture Halls, Password, Seat Types, Settings, Staff Logins, Subjects, User Levels,Users, Circulars) 2) Fee Payments Module (Payments, Dues List, Fee Adjustments, Fee Reminders) 3) Accounts Module (Accounts,A/C Statement, Bank Accounts, Bank Trans Report Bill Clearing, Budget Amount Master, Cash Deposit, Cash On Hand, Cash Withdrawl, Day Book, Expenditures, Expenditures Report, Fee Refund) 4) Admissions Module (Admission, Admission Register, Generate Id Cards, Generate Roll Numbers) 5) Correspondence Module (Correspondence, Inbox, Mail, Parents Address, Parents, Correspondence, SMS)

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
No Data Entered/Not Applicable !!!			

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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	Civil Engineering	01/07/2014	Survey Field work-1(RT21017)	01/07/2014
BTech	Civil Engineering	01/07/2014	Building Planning and Drawing (RT22011)	01/07/2014
BTech	Civil Engineering	01/07/2014	STAAD Pro & GIS LAB(RT4101M)	01/07/2014
BTech	Civil Engineering	01/07/2014	Managerial Economics and Financial Analysis(RT22014)	01/07/2014
BTech	EEE	01/07/2014	IPR & Patents - I(RT31016)	01/07/2014
BTech	CSE	01/07/2014	Open Souce Software(10A73116)	01/07/2014
BTech	CSE	01/07/2014	Cloud Computing(10A70506)	01/07/2014
BTech	CHE	01/07/2014	Green fuel Technology(1RT42081)	01/07/2014
BTech	CHE	01/07/2014	Bio Chemical Engineering(IRT41084)	01/07/2014
BTech	CHE	01/07/2014	Nano Technology(IRT41089)	01/07/2014

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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
Mtech	Power Systems(EEE)	01/07/2014

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1.2.2 – Programmes in which Choice Based Credit System (CBCS)/Elective Course System implemented at the College level during the Academic year.

Name of programmes adopting CBCS	Programme Specialization	Date of implementation of CBCS/Elective Course System
No Data Entered/Not Applicable !!!		

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
EPANET	01/07/2014	22
Basics of RS, GIS and GNSS applications	01/07/2014	18
Corporate Recruitment Training	01/07/2014	49
Freshman Induction Program	01/07/2014	120
CREO	01/07/2014	105
Ansys	01/07/2014	105
CCNA(Add-on)	01/07/2014	16
JAVA(Add-on)	01/07/2014	9
SQL(Add-on)	01/07/2014	15
Tally	01/07/2014	91
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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
BTech	Civil Engineering	24
BTech	EEE	130
BTech	Mechanical Engineering	196
BTech	CSE	64
BTech	Chemical Engineering	20
BTech	IT	19
BTech	MBA	89
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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
Mid semester end feedbacks are taken from students on teaching evaluation processes and on course experience. Exit feedback is taken from outgoing students on over all experience of education during the period of study. Suggestions given by students are considered for further improvement. Alumni feedbacks are collected during alumni meets. Feedback is taken from the parents during parents meet and during the study period of their children. Feedback is analysed and suggestions are considered for further improvement of curriculum, training and infrastructure facilities and all such other activities / facilities for upliftment of educational standards in the Institution.

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
Mtech	VLSI	18	16467	18
Mtech	PS	18	3058	16
Mtech	SE	18	6990	14
BTech	IT	60	198463	59
BTech	CHEM	60	195237	44
BTech	CSE	180	184671	180
BTech	ECE	180	178655	179
BTech	MECHANICAL	180	178150	180
BTech	EEE	120	101003	120
BTech	CIVIL	120	131066	119
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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
2014	3318	376	199	16	15

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	Numberof smart classrooms	E-resources and techniques used
230	230	66	64	0	51
[View File of ICT Tools and resources](#)					

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

An effective mentoring system is in place at MVGR since long. The salient features of this system are as follows: A group of students are assigned to a faculty member at the commencement of the program. Mentors meet their students and guide them with their studies and extracurricular activities. They also provide advice relating to academics, career guidance and personal problems. The mentoring system of MVGR ensures that the students to adapt to the dynamic learning environment and lead their ways into highly successful careers. Through this mentoring system the faculty acts as a link between the students and the institution and become instrumental in successful conduct of all student related activities including academics

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
3694	230	1:16

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
230	230	0	13	52

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
2014	Mr. R. Ravi Kanth	Assistant Professor	SAE ARCHITECHT LEVEL1
2014	K V SUBBA RAJU	Assistant Professor	SAE ARCHITECT LEVEL-2
2014	K V SUBBA RAJU	Assistant Professor	PEGA CERTIFICATION
2014	K V SUBBA RAJU	Assistant Professor	5 Years of Service as CISCO Instructor
2014	Dr.D.Krishna	Associate Professor	PhD
2014	Dr. S.V.A.R.Sastry	Associate Professor	Selected in the prestigious 100 Best Educators of 2014 in the world
2014	Dr. S.V.A.R.Sastry	Associate Professor	Selected in the prestigious 2000 Outstanding Intellectuals of the 21st Century" (published in IBC-International edition in August 2014)
2014	Mr. D. Anthony Balaraju	Assistant Professor	NET
2014	Dr. B.M.B. Krushna	Assistant Professor	State Eligibility Test

| 2014 | Dr. EVPAS Pallavi | Assistant Professor | Ph.D |

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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
MBA	03	EVEN	30/06/2015	29/09/2015
MBA	03	ODD	05/02/2015	24/04/2015
Mtech	02	EVEN	24/04/2015	15/05/2015
Mtech	02	ODD	28/11/2014	29/12/2014
BTech	01	EVEN	24/04/2015	15/05/2015
BTech	01	ODD	28/11/2014	29/12/2014
MCA	04	ODD	15/04/2015	16/07/2015
MCA	04	EVEN	24/04/2015	15/05/2015

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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)

https://www.mvgrce.com/naac

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
01	BTech	ODD	754	615	81.56
01	BTech	EVEN	754	652	86.47
02	Mtech	ODD	67	67	100
02	Mtech	EVEN	67	60	89.55
03	MBA	ODD	101	101	100
03	MBA	EVEN	103	103	100
04	MCA	ODD	29	29	100
04	MCA	EVEN	29	29	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)

CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION

3.1 – Promotion of Research and Facilities

3.1.1 – The institution provides seed money to its teachers for research

No
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3.1.2 – 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
National	Dr. B. V. Ramanaiah	QIP	04/06/2014	AICTE
National	Dr.Ch.Venkata Rao	Junior Research Fellow	19/12/2014	MHRD, India
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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
Major Projects	730	DST	27.64	21
Minor Projects	730	UGC	3.4	2.55
Minor Projects	730	UGC	2.95	2.25
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3.2.2 – Number of ongoing research projects per teacher funded by government and non-government agencies during the years

6

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 state level conference on "Water Resources of Andhra Pradesh (WRAP-15)",	Civil	19/03/2015
Physics as Applied to Aerospace Engineering	Mechanical	08/09/2014
Introduction to Rocket Technology	Mechanical	08/09/2014
Guest lecture on	MBA	20/09/2014

Marketing Sales			
Guest lecture on Work life balancing	MBA	07/11/2014	
Guest lecture on Export-Import trade forex issues	MBA	05/12/2014	
Guest lecture on Rural Marketing	MBA	06/12/2014	
Guest lecture on Entrepreneurship	MBA	03/01/2015	
Guest lecture on Human Resource-Operational and functional practices	MBA	02/02/2015	
Guest lecture on Interview and Employability skills	MBA	06/03/2015	
Niryat Bandhu-14th Tranining Programme on Awareness programme on Export promotion and International Budiness	MBA	26/03/2015	
Guest lecture on 1. Management Educaiton and Leaderhsip activies - Students 2. FDP for faculty-One Session	MBA	17/04/2015	

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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
The Annual Techno – Management fest of IIT- The Techno – Management Fest KSHITEJ - 2015	Y. Baby Sravani Nayaki	IIT, Kharagpur	30/01/2015	Participation
A National Level Technical Symposium (ENCURSO 2K15) Topics: Solar and Smart Energy Systems	S. Anusha	UCEK (A), JNTU (K), Kakinada	28/02/2015	Participation
A National Level Technical Symposium (ENCURSO 2K15) Topics: Solar and Smart Energy Systems	V. Hemalatha	UCEK (A), JNTU (K), Kakinada	28/02/2015	Participation
Virtual BAJA SAEINDIA 2014	AKELLA SAI CHAITANYA	Gujarat Technology Univ	01/08/2014	Participation

Virtual BAJA SAEINDIA 2014	TANUKU HEMANTH SAGAR	Gujarat Technology University,Ahmedabad	01/08/2014	Participation
Virtual BAJA SAEINDIA 2014	VENKATA SIVA HARISH MATTAPARTHI	Gujarat Technology University,Ahmedabad	01/08/2014	Participation
TECHNICHE The Annual Techno Management Festival	SAHIB MOHAMMED LAIS	IIT-Guwahati	04/09/2014	Participation
TECHNICHE The Annual Techno Management Festival	SASANAPURI ANIL	IIT-Guwahati	04/09/2014	Participation
TECHNICHE The Annual Techno Management Festival	SHIVA KUMAR NAYAK	IIT-Guwahati	04/09/2014	Participation
TECHNICHE The Annual Techno Management Festival	VEERNI POORNACHARI	IIT-Guwahati	04/09/2014	Participation

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3.3.3 – 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
No Data Entered/Not Applicable !!!					
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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
Civil	1
Mechanical	1
MBA	1

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)
National	Civil	12	0
International	Civil	19	0.22
International	MEC	9	2.11
National	ECE	1	0.93
International	ECE	37	1.35

International	CSE	18	2.45
International	IT	1	0
International	SH	21	1.38
National	MBA	5	0.82

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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
Civil	3
EEE	6
MECHANICAL	1
ECE	22
CSE	1
CHEMICAL	1
IT	2

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3.4.4 – Patents published/awarded during the year

Patent Details	Patent status	Patent Number	Date of Award
No Data Entered/Not Applicable !!!			
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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
Reliability based optimal design of muncipal water supply pipe networks	S Chandramouli	Urban Water Journal	2015	0.59	Yes	3
Improved Method Of Estimating Deflection in Prestressed Steel I-beams	P.Markandeya Raju	Asian Journal of Civil Engineering	2014	0.233	Yes	7
Reliability analysis of phasor measurement unit inc	D K Mohanta	IET Generation, Transmission Distribution	2015	3.43	Yes	11

Title of the Paper	Name of Author	Title of journal	Year of publication			
orporating hardware and software interaction failures						
Fault Detection and Localization Methodology for Self-healing in Smart Power Grids Incorporating PMUs	D K Mohanta	Electric Power Components Systems	2015	0.345	Yes	11
Reliability Evaluation of Phasor Measurement Unit: A System of Systems Approach	D K Mohanta	Electric Power Components Systems	2015	0.345	Yes	11
Adaptive Fault Identification and Classification Methodology for Smart Power Grids Using Synchronous Phasor Angle Measurements	D K Mohanta	IET Generation, Transmission Distribution	2015	3.43	Yes	19
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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
Design of High Speed and low power 4T SRAM cell	Dr R.Ramana Reddy	International Journal of scientific and Research publications	2015	15	9	Yes

Sub-threshold level shifters and level shifters with LEC for LSIs	Dr R.Ramana Reddy	International Journal of Engineering and Advanced Technology	2014	14	4	Yes
Adaptive Fault Identification and Classification Methodology for Smart Power Grids Using Synchronous Phasor Angle Measurements	D K Mohanta	IET Generation, Transmission Distribution	2015	94	19	Yes
Reliability Evaluation of Phasor Measurement Unit: A System of Systems Approach	D K Mohanta	Electric Power Components Systems	2015	43	11	Yes
Pragmatic Multi-Stage Simulated Annealing for Optimal Placement of Synchrophasor Measurement Units in Smart Power Grids	D K Mohanta	Frontiers in Energy	2015	14	5	Yes
Fault Detection and Localization Methodology for Self-healing in Smart Power Grids Inco	D K Mohanta	Electric Power Components Systems	2015	43	11	Yes

rporating PMUs						
Reliability analysis of phasor measurement unit inc orporating hardware and software i nteraction failures	D K Mohanta	IET Genera tion, Tran smission D istributio n	2015	94	11	Yes
Performanc e of non-prismatic simply supported prestresse d concrete	P.Markande ya Raju	Structural Engineerin g and Mechanics	2014	51	4	Yes
Reliabilit y based optimal design of muncipal water supply pipe networks	S Chandram ouli	Urban Water Journal	2015	37	3	Yes

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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/Semina rs/Workshops	34	111	6	90
Presented papers	22	25	3	0
Resource persons	0	10	3	2

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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)
Civil Engineering	Material Testing(Concrete, Steel)	Vizianagaram Municipality, RWSS VIzianagaram, Other private agencies	23200
Civil Engineering	Soil Testing	Private Agencies	3000
Civil Engineering	Mix Design	Vizianagaram Municipality	4000

Civil Engineering	Road Widening Projects in Vizianagaram	Visakhapatnam Urban Development Authority	0
Mechanical Engineering	Variable Compression Ratio Engine Performance	Vignan's Institute of Information Technology,Duvvada, Vishakapatnam	2000
Mechanical Engineering	Determination of surface roughness	Raghu Institute of Technology,Dhakamarri,Bemili, Vishakapatnam	650
Mechanical Engineering	Study of Microstructure	ANITS, Sangivalasa, Bemunipatnam, Visakhapatnam	600
Mechanical Engineering	Study of Microstructure	Ask College of Technology and Management, Anakapalli	1500
MBA	Field surveys for business development	APGV Bank	45000

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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
EEE	Technicians Training	Reddy Labs Pvt Ltd	43200	39
MBA	Training to Junior Executives	Dr.Reddys, Visakhapatnam	30000	30

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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
Swaccha Bharat	MVGRCE, NSS Unit [068]	2	50
Awareness Program on Library It's utilization	MVGRCE, NSS Unit [068]	2	50
NSS Volunteers Students Registration Orientation Program	MVGRCE, NSS Unit [068]	4	50
World Peace Pledge	MVGRCE, NSS Unit [068]	4	50

Independence Day Celebrations	MVGRCE, NSS Unit [068]MVGRCE, NSS Unit [068]	5	150
Distribution of Fruits at MR Hospital Blood Donation Camp at our College	MVGRCE, NSS Unit [068]	5	120
Blood Donation Camp at MR PG College	MVGRCE, NSS Unit [068]	2	50
Donation of books to Poor Students (School Children), Primary School Children at Venknnapeta, Gundayyapalem Chittigunkalam. Orphanage students at Brothern Bethlehem Church, Chelluru	MVGRCE, NSS Unit [068]	6	60
Plantation Program Environmental Awareness Campaign	MVGRCE, NSS Unit [068]	5	80
Distribution of Fruits Clothes at Prema Samajam M.R. Hospital, VZM Blood donation camp at M.R. Hospital, VZM	MVGRCE, NSS Unit [068]	5	150
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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
Blood Donation Camp	State Level Award for best Blood Donor Motivation	Indian Red Cross Society	350
Blood Donation Camp	District Level Award for Mega Blood Donation Camp	MR Blood Bank	150
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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 activites	Number of students participated in such activites
NSS	MVGRCE, NSS Unit [068]	Swaccha Bharat	8	75
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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
MOU WITH VIRTUSA PEGACORP	2	COLLEGE	30

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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 work	Performance Appraisal	Andhra Cements	01/05/2015	31/05/2015	1
Project work	Mutual Funds	Aditya Birla Group	01/05/2015	31/05/2015	1
PhD Research work	QIP	IIT Roorkee	25/03/2015	30/05/2015	1
PhD Research work	QIP	IIT Roorkee	21/07/2014	04/08/2014	1
MOU WITH VIRTUSA AND PEGA CORP FOR TRAINING AND DELIVERY OF PEGA	TRAINING AND OJT WITH VIRTUSA AND PEGA CORP	VIRTUSA TRAINING LAB	16/06/2014	27/06/2015	2
Ansys	Job Training	Siemens Industry Software Pvt. Ltd	01/06/2014	31/03/2015	105
Creo	Job Training	Siemens Industry Software Pvt. Ltd,AP	01/07/2014	31/03/2015	105
Internship	Industry Internship	Steel Plant-VSP Hindustan Shipyard-VSP RTC Zonal Workshop-VZM TATA Motors-VSP VARUN Motors-VSP BHEL-VSP Reliance Gas Transportati on Infra Ltd. PSBAH	15/05/2014	15/05/2015	176

		General Industries-Raypur Mahindra Rise Volkswagen-VSP Lakshmi Hyundai – VSP Steel Exchange India L			
Internship	Industry Internship	Vishakhapatnam Steel Plant, HPCL - Vishakha Refinery, 220/132Kv TL SS, APTRANSCO Garividi, Hindustan Shipyard Limited, Visakhapatnam, Visakhapatnam Port Trust, A.P.E.P.D.C.L Dasannapeta, SPM Dept, APEPDCL Visakhapatnam division, NTPC, Seepat, C	15/05/2014	15/06/2015	152
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3.7.3 – MoUs signed with institutions of national, international importance, other institutions, industries, corporate houses etc. during the year

Organisation	Date of MoU signed	Purpose/Activities	Number of students/teachers participated under MoUs
Indian Institute of Remote Sensing	05/08/2014	To build up capacity through training, education and research.	50
Indian Telecom Innovation Hub – TBI	29/01/2015	To establish a Startup Bootcamp at MVGR to function as an Idea Clinic/Mini-incubator for anchoring the incubation needs of students of MVGR	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
249.7	255.68

4.1.2 – Details of augmentation in infrastructure facilities during the year

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

No file uploaded.

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
SOUL (Software for University Libraries)	Fully	1	2008

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	1235	918117	1500	1103291	2735	2021408
Reference Books	350	229530	455	275823	805	505353
e-Books	352	141050	352	152750	704	293800
Journals	135	307404	5	441388	140	748792
e-Journals	1306	1619727	4	1706730	1310	3326457
Digital Database	6252	134562	0	134562	6252	269124
CD & Video	1312	52480	66	2640	1378	55120
Library	0	0	0	80000	0	80000

Automation						
Weeding (hard & soft)	0	0	0	0	0	0
Others(specify)	0	0	0	0	0	0

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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
No Data Entered/Not Applicable !!!			

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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 (MBPS/ GBPS)	Others
Existing	830	10	16	1	1	26	5	16	0
Added	186	0	9	2	0	7	1	9	0
Total	1016	10	25	3	1	33	6	25	0

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

25 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
No Data Entered/Not Applicable !!!	

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
709.89	376.09	200.08	137.22

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)

Procedures and policies for maintaining and utilizing physical, academic and support facilities (like laboratory, library, sports complex, computers, classrooms etc...) Various committees are constituted with one of the senior faculty as convener to monitor the maintenance of academic infrastructure and facilities. Distinct features o Maintenance of Buildings: Maintenance committee headed by Dean (Civil Infrastructure) looks after everything connected to

construction maintenance of buildings. College has a Campus Engineer to implement the decisions taken by maintenance committee in connection with maintenance of infrastructure, electrical and plumbing requirements, painting and repairs if any in the campus. In addition, campus engineer attends to the complaints and suggestions from students and faculty. o Maintenance of Campus: The day-to-day cleaning of the campus is maintained by the Maintenance Supervisor who reports to the Campus Engineer. Maintenance Supervisor is provided with a team of contingent staff for housekeeping, sanitation and gardening works in the campus daily. The Maintenance Supervisor prepares a schedule for regular maintenance of the campus. o Maintenance of Library: the infrastructure and facilities available in the library are looked after by the library staff as per the guidelines for library committee headed by Asst. Principal (Academics).Library stock verification is carried out annually. Up keep of the library is also looked after by the Maintenance Supervisor. The books and journals are kept clean and tidy by the library assistants who report to the Librarian. o Maintenance of Play Area: - The Physical Directors are in-charge for the play areas. The cleanliness is maintained with man-power provided by the Campus Engineer. o Maintenance of Labs Lab Equipment: The Equipment in the labs is monitored by the lab technicians who closely observe their functioning calibration regularly and report failures to the lab in-charges. The lab in-charges are responsible for the physical safety, preventive and breakdown maintenance of all lab equipment. They also suggest the purchase of new equipment (necessitated by change of Syllabus), scrapping obsolete and old equipment in the lab stock and for the replacement/ repair of the damaged. The committee ensures the availability and accessibility by keeping the lab infrastructure in working condition. Each Lab is provided with suitable Notice Boards, Display Charts for access to information and enhanced learning. o Maintenance of Teaching Aids: All the departments have dedicated teaching aids which are centrally maintained by the E-Service committee headed by a senior professor with the help of system administrator and E-Service committee member representing the department. Department E-service committee member nominated by the HoD is in charge for maintenance and to monitor the teaching aids allotted to the department like department lap-tops, OHPs, LCD projectors, White Screens etc., The maintenance registers are available in the respective departments. o All the equipment and the other office infrastructure are maintained under the supervision and guidance of Maintenance Coordinators/Conveners in Electrical, Mechanical and Communication equipment. Whereas, the computers located all over the campus are maintained by system administrator and his team and regular up gradation is carried out for proper functioning. Annual

https://www.mvgrce.com/sites/default/files/NAAC/Others/Procedures_Policies.pdf

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	Academic Awards	56	1224009
Financial Support from Other Sources			
a) National	0	0	0
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
Remedial coaching	01/09/2014	42	MVGR College of Engg
Bridge courses	01/06/2014	23	MVGR College of Engg
Language lab	09/09/2014	180	MVGR College of Engg
Remedial coaching	27/04/2015	45	MVGR College of Engg
Bridge courses	14/08/2014	36	MVGR College of Engg
Soft skill development	01/09/2014	180	MVGR College of Engg
Yoga	21/06/2014	30	PROFESSIONAL YOGA TRAINER
Mentoring etc	17/06/2014	228	IT DEPT FACULTY
Personal Counselling	01/07/2014	630	In House
Soft skill development	11/11/2014	101	Conduira

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 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 passedin the comp. exam	Number of studentsp placed
2014	CRT	611	0	0	400

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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
2	2	7

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
TCS		150	STEEL PLANT VSKP		8

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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
2015	1	B.Tech	EEE	IIT Kharagpur	M.tech
2015	2	B.Tech	EEE	NIT, Trichy	M. Tech
2015	3	B.Tech	Mechanical	Alliance University, Bangalore	MBA
2015	4	B.Tech	Mechanical	Deakin University-Australia	MS
2015	5	B.Tech	Mechanical	NIT, Calicut	M. Tech
2015	6	B.Tech	Mechanical	NIT,Tiruchirapalli	M.Tech
2015	7	B.Tech	ECE	Northern Illinois University	MS
2015	8	B.Tech	ECE	Texas A&M	MS
2015	9	B.Tech	CSE	University of Windsor	MS
2015	10	B.Tech	CSE	Campbellsville university	MS

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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	32
GMAT	1
CAT	4
GRE	11
TOFEL	12
Civil Services	5
Any Other	2

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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
Combined Annual Training Camp	2(A) CTR Unit Level	65
`B Exam	State Level	29
`C Exam	State Level	23

67th Independence day celebrations was hosted by the college on Aug 15th 2014 and various competitions with themes of patriotic spirit were organized.	College	100
To inculcate the principles of Swami vivekenanda in students a program was organized on 22nnd Aug 2014.Swami Bodhamayananda was the chief guest for the program.	College	100
As a part of Engineersday day celebrations,Competitions were successfully organized on sept 15th 2014.C14	College	100
on Nov 11th,2014 Moulana Abul kalam Ajad birth anniversary was celebrated in the college.Sri Venkateswarulu retired history lecturerof MR college Vizianagaram graced the occation as chief guest.	College	100
The spontaneous talent of our students in cultural events was showcased when an impromptu cultural show was organized by the college in the honour of Autonoumous committee on their visit to college on Jan 7th 2015.	College	100
Similarly during NAC committee visit,students entralled the committee with their scentellating performance in the program hosted for NAC committee.	College	100
It was challenging yet stimulating opportunity for the cultural committee when we had to yoke the talents from colleges and schools in vizianagaram and organized a cultural	College	0

program on the occasion of CM visit to our college on FEB 11th 2015.	

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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
2014	Inter University Represente d	National	1	0	12331A0147	K.Akhil, (Volley Ball)
2014	Inter University Represente d	National	1	0	12331A03H2	R.Y.K.Naya k (Cricket)
2014	Inter University Represente d	National	1	0	13331A0124 0	B.S.Sandee p (Cricket)
2014	Inter University Represente d	National	1	0	14331A0805	B.Sivaji (Foot Ball)
2014	Inter University Represente d	National	1	0	12331A04B6	N.Agstha (Hockey)
2014	Inter University Represente d	National	1	0	12331A1237	S.Prasanth (Tennis)
2014	Inter University Represente d	National	1	0	12331A0363	K.Padmavat hi Volley Ball (women)
2014	400 mtrs. Gold Medal	National	1	0	15331A01A1	K.Sri Sai Manoj (Swimming)
2014	High Jump 1ST Place Gold Medal	National	1	0	13331A0169	N.Nishanth (Athletics)
2014	Triple Jump 1st Place Gold Medal	National	1	0	13331A04G9	D.Venkates wara Rao (Athletics)

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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)

Activity of Student Council representation of students on academic administrative bodies/committees of the institution MVGR College of Engineering has its student active representation on academic and administrative bodies and committees of the college. The student representation is made active at every curricular, co-curricular and extra- curricular initiative in the campus. Students participate at every level of academic and administrative functioning in the college for smooth and effective planning and implementation of the academic policies befitting to the need of the time. The structure of the student representation in the college is as follows: • Each class for each year of study nominates two Class Representatives (CRs) one from girls and one from boys • As such each year of study is going to have two CRs for each section in each program department. • Like that in every program department for all four years of study section-wise CRs represent the students regarding their issues and concerns related to academic and administrative matters and network between the students, faculty and head of the department for a healthy and happy environment in the campus. • In turn, all the CRs elect among themselves and form various student bodies for the smooth and effective conduct of wide range of student activities in the campus. • The Student Executive Committee constitutes of President, Vice-President, Secretary, Joint-Secretary, Treasurer and four Executive Members. This is the Central Student Council which leads all ancillary student bodies which are formed to look after specific activities in the campus. • The ancillary student bodies are o Cultural Committee o Sports Committee o Anti – Ragging Committee o NSS Committee o Magazine Committee o Women Empowerment o Entrepreneur Development Committee o Alumni Committee o Hostel Committees All together these committees represent students at various levels in supporting the College Academic and Administrative bodies in smooth and effective functioning of the college. The student Executive Committee in coordination with all the ancillary committees plan and organize inter, intra mural, and national level student seminars, workshops, fests, sports and cultural meets in order to equip themselves and their peers to combat the competitive arena assertively. Students have formed different clubs like NSS, SWECHA, UBA and social forums to bring awareness among the school children and people of surrounding villages on various public health and social issues.

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

Yes

1. Alumni Association Registration Number: Alumni Association is registered under societies registration act XXI of 1860 in 2007 with the name MVGR Alumni Assiciation (MAA) (Registration No.100/07) 2. It has two Chapters in other Cities/Countries: One in India at Hyderabad and other Abroad at USA. The Institution is making efforts to identify places where alumni chapters can be started. 3. The institution maintains a separate interactive website on its sub-domain to actively engage with alumni. Regular email exchanges also happen online. The website may be accessed @ http://www.mvgr-alumni.org 4. Extent of alumni involvement in the development of the Institution: (Facilitating placements and industrial visits, Providing exposure to different areas in their organizations, Financial assistance for economically backward students, Assistance in identifying consultancy projects)

5.4.2 – No. of registered Alumni:

5487

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

0

5.4.4 – Meetings/activities organized by Alumni Association :

1. Alumni reunion meet at MVGR College of Engineering on 13th January 2015 with 85 alumni attendees 2. Alumni reunion meet at Chicago, USA on August 12th 2014 3. Mr Mahaveer Vardhan, An alumni from CSE, gave a technical talk to students of CSE sharing current trends in IT 4. Mr. Siddharth, An Alumni of Chemical Engineering, gave a motivational talk to select students of final year (All branches) on 21st July 2014 5. Mrs. Sandhya, Sr Associate NetCracker, shared her experiences about work life balancing with girl students of Chemical Engineering on 3rd October 2014 6. Mr. Naveen Kumar Sunkari, Sr Software Engineer JP Morgan, delivered a guest lecture to the students of 3rd year CSE on Scope for AI in future applications

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)

? The institution is run by academicians. All the sub-committee members who are the management representatives are eminent academicians. ? The head of the institution has complete academic and operational autonomy and with his rich vein of academic experience, the head of institution ensures the overall teaching and learning process is effective and meets the ever changing demands of the stake holders. ? The institution has an institutionalized process of encouraging and harnessing participative management at all levels and almost all faculty members are involved in one or the other administrative process in addition to being involved in their regular teaching duties. This ensures the faculty members feel involved in decision making process and the institution has found that this kind of involvement also makes the faculty be more committed to the decisions make the appropriate decision making body with due involvement of faculty members. ? The institution encourages the individual departments to come up with budget proposals for the upcoming academic year after internal discussion based on broad guidelines and the proposals thus received are reviewed by the institute academic committee. This allows the budget proposals to address the ground level needs of the departments and helps in ensuring budget gets allocated to the right areas. ? The institute has high-level faculty committees for Research Development, Training and Placement among other things that help drive efforts in their respective areas across the institution on a consistent basis and in line with institution's objectives in these area

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	1. The college scrupulously develops action plans for effective implementation of the curriculum. 2. The College Academic Committee / Council conducts frequent meetings with the Heads of the departments and staff members to come out with various strategies for effective implementation of the curriculum. 3. All faculty members prepare course files for each

	subject and develop Lab. Manuals for all labs and these are periodically audited and modified with new developments in the field of technology. All efforts are made to maintain the quality sustenance in curriculum delivery.
Teaching and Learning	1. Provision of State-of-the art learning resources in Central Library Information Centre and department libraries. 2. Ergonomically designed classrooms with networking facility 3. Provision of e-classrooms 4. Development of student support material 5. Organisation of Remedial classes 6. Delivery of Add-on-courses 7. Conduct of pre-placement training classes and campus connect programmes 8. Conduct of GATE coaching classes 9. Structured course files and lab manuals on all courses 10. Academic audit 11. Continuous improvement of resources
Examination and Evaluation	1. The performance of the students both in midterm examinations and end semester examinations in theory and laboratory subjects and project works are considered as an indicator in evaluating the student performance and also achievement of learning objectives. 2. Further, students are evaluated on continuous basis in the form of conducting tutorials, assignments, class tests etc., to assess the learning outcomes. 3. Direct Assessment: (i) Performance evaluation through internal and external examinations in both theory and lab, (ii) Performance evaluation by conduct of tutorials and assignments and (iii) Performance evaluation in project work. 4. Indirect Assessment: (i) Survey of Alumni, (ii) Exit feedback and (iii) Employer feedback
Research and Development	1. Institute makes separate budget allocation every year to enhance the research facilities for procuring advanced equipment in laboratories beyond the syllabus curriculum and to procure necessary software. 2. Institute encourages students and faculty to promote research environment and provides incentives who publish journal papers, get research projects from industry and funding agencies. 3. The departments conduct seminars and workshops for inculcating research culture among students and faculty. 4.

		The institute / departments arrange guest lectures by eminent researches from reputed institutes and industries on emerging and new areas of research. 5. Formulation of Research committee 6. Allocation of budget for in house RD 7. Incentives and rewards for publications/research 8. Financial assistance to students for model buildings
Library, ICT and Physical Infrastructure / Instrumentation		1. Exit feedback is collected from the students regarding the library facility available in the campus. And the feedback information analysed by the library advisory committee is utilized for further improvement of the library. 2. Computer systems are upgraded with latest configuration once in Three years. 3. Individual up gradation of the computers is taken up as per the need and requirements of the various departments. 4. Enough provision is made available in the annual budgets for the procurement of the computer systems. 5. Once new systems are procured, they replace the existing systems as per the requirements of the departments. 6. All the computer systems in the campus are regularly monitored by the system administrator and maintenance staff. 7. The trouble/problems experienced by the computers in the various laboratories are entered by the lab programmers/technicians in the complaint register. 8. The maintenance staff will then goes to the respective labs for identification of the problems and resolves the same at the respective places. 9. In case of major problems i.e. replacement of component/part during warranty they are sent to the respective service centers and got replaced at the earliest. 10. Computer center is provided with Fourteen servers of different capacities to cater the computer requirements.
Human Resource Management		1. Transparent policy document 2. Transparent and scientific way of selections 3. Imparting related training 4. Formulation and communication of policies of the college 5. Support for academic advancement 6. Systematic performance appraisal system and guidance to the faculty 7. Systematic promotion policies 8. Democratic way of

	administration with participative management
Industry Interaction / Collaboration	1. Industry interaction 2. Organisation of industrial tours 3. Deputing faculty and staff or industrial training 4. Guest lectures by the experts from industry 5. Collaboration with industries 6. The institution has RD Cell to collaborate with industries and outside organizations and to take up consultancy works
Admission of Students	1. Admission process of the institution is transparent and the government of Andhra Pradesh through APSCHE undertakes counseling through a state level process which is inclusive in its nature. Further the district of Vizianagaram being in a backward area attracts more than design/stipulated percentage admissions in various reserved categories. Therefore, it can be said that the admission process is not only transparent but also highly inclusive.

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

E-governace area	Details
Planning and Development	1. SMS system for dissemination of information including regular notice to students is implemented. 2. ERP Management system is implemented with database ofstudents, faculty and staff etc. 3. Library is automated using 'SOUL' software
Administration	1. Online leave requisition system is made available through ERP Management system. 2. Signage Boards are provided to display notices for students and other stakeholder. 3. PFMS portal is uploaded regularly with expenditure related to Govt. fund. 4. Notices and circulars are uploaded in the college website and communicated to different departments through email from the office of the Principal 5. Salary of faculty members and staff is transferred directly to the bank account.
Finance and Accounts	1. College accounts are computerised and maintained through ERP Management system 2. In addition, Tally software is also used to generate various financial reports 3. All financial transactions are being done online including salaries

Student Admission and Support	1. Online admission of students is being done by state government of AP through EAMCET. 2. Student's database is maintained through ERP Management system 3. Information of Course curriculum, Academic calendar, Time tables are made available in the college website. 4. Email IDs and contact numbers of all members of Anti Ragging Committee, Anti Ragging Squad and Grievance Redressal Cell have been uploaded in the college website and students can communicate to the members through email 5. Automatic SMS alerts are sent to the parents of students whenever they are absent to class on daily basis. 6. SMS alerts are sent to the parents of students to convey any important information
Examination	1. Examination schedule is provided in web site. 2. Processing of results is automated and results are made available in website. 3. SMS alerts are sent to the parents regarding performance in the examinations of their wards

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
No Data Entered/Not Applicable !!!				
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6.3.2 – Number of professional development / administrative training programmes organized by the Colleges 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)
No Data Entered/Not Applicable !!!						
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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

No Data Entered/Not Applicable !!!

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6.3.4 – Faculty and Staff recruitment (no. for permanent recruitment):

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
32	32	5	5

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
? Group Gratuity Scheme for all the staff ? Provisions of Employees Provident Fund(EPF) ESI ? Group Insurance cover to the tune of Rs. 2,00,000/- ? Medical Insurance Cover to the tune of Rs. 1,00,000/- to Employee family members ? Cash Incentives for Research Publications and other such RD Activities such as Funded Projects, Consultancy, MOOCs, Patents etc…. ? Sponsorship for higher Education through QIP. ? Academic Leave with Pay to pursue PhD ? Reimbursement of TA, DA, Registration Fee to attend FDPs such as Seminars / Workshops / Refresher Courses / GIAN / Industry Internships / Training on Modern Tools / etc… ? Reimbursement of application and registration fee of Patents for filing ? Financial Assistance / Sponsorship for attending conferences outside India subject to a maximum of 25000/- ? Sponsorship of Professional Society Memberships free (Full for HODs and 50 for faculty) ? Internal RD funding to faculty ? AICTE 6th Pay Scales with allowances ? Paid Maternity Leave of SIX months	? Group Gratuity Scheme for all the staff ? Provisions of Employees Provident Fund(EPF) ESI ? Group Insurance cover to the tune of Rs. 2,00,000/- ? Medical Insurance Cover to the tune of Rs. 1,00,000/- to Employee family members ? Pay Scales with allowances ? Free local transportation for NT Staff ? Paid Maternity Leave of SIX months	? Gold Medals and Silver Medals to the best performers. ? Industrial Visits -free transport. ? Seminars/Workshops/Refresher Courses - T.A., D.A., Registration Fee reimbursements. ? Extramural Sports, Cultural Literary Events - T.A., D.A. reimbursements ? Sponsorship for fabrication/modelling works in projects ? Free transport for socially disadvantaged students ? Academic Awards for meritorious students: (a) An amount of Rs.35,000/- cash award for I ranker from each class, (b) An amount of Rs.23,333/- cash award for II ranker from each class and (c) An amount of Rs.11,667/- cash award for III ranker from each class

6.4 – Financial Management and Resource Mobilization

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

A well-defined budget formulation process, review and approval are adopted by the institution. The initiation of the budget proposal is made at the department level. The budget requirements prior to the commencement of the academic year are estimated at the department level after thorough discussions among the faculty by considering the needs and requirements of the department. The department prepares the budget estimates based on the discussion and submits to the Institution for review. The Institution vets the proposals in the line with the Vision and Mission and developmental requirements of the Institution and the Department and submits its recommendation to GB for approval. The proposed budget is approved by the Governing Body and the same is intimated to the departments. Optimal utilization and execution of the budget is monitored through internal and external auditing. Internal audit is conducted and the statutory external audit is conducted annually by chartered accountants

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
No Data Entered/Not Applicable !!!		
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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	No	NA	Yes	Internal Audit Committee
Administrative	No	NA	Yes	Internal Audit Committee

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

Parents meetings are conducted once in a year and their opinions on the academic environment in the campus are collected. After analysing the feedback, their suggestions are considered for improvement. There is no formal parent-teacher association

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

? Skill development programs for non-teaching staff are being conducted on a regular basis. Technical, computer and soft skills including MS Office, Tally are the main areas on which training is imparted. ? Non-teaching staff are encouraged to attend and participate in the technical events organised within the campus or outside so as to enable them to enhance their skills and aptitude. ? Non-teaching staff are also encouraged to pursue higher education by grating study leaves liberally

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

1. Quality Assurance Initiatives 2. Implementation of Academic Audit System 3. Adopting Best Practices like a. Improving Employability through Skill Development b. Participative Management c. Student Start-up Ecosystem 4. Strengthening Research

6.5.5 – Internal Quality Assurance System Details

a) Submission of Data for AISHE portal	**Yes**
b)Participation in NIRF	Yes
c)ISO certification	**No**
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
2014	Introduction To GIS	02/06/2014	02/06/2014	08/06/2014	30
2015	State level Seminar on Water Resources of Andhra Pradesh	22/03/2015	22/03/2015	22/03/2015	80
2015	Analysis of Structures using Staad Pro	18/05/2015	18/05/2015	23/05/2015	25
2014	A Two Day International Workshop on Synchrophasor Measurements for Smart Grid (IWSPM-2014)	21/11/2014	21/11/2014	22/11/2014	70
2015	Windchill-Training	19/01/2015	19/01/2015	26/01/2015	7
2015	National Workshop on Building Competence in PLM Technology	29/04/2015	29/04/2015	29/04/2015	7
2014	FDP on Cyber Physical System Using NI LabVIEW	04/10/2014	04/10/2014	04/10/2015	32
2014	Short Term Course on Analog and Mixed signal circuit design using	13/06/2014	13/06/2014	19/06/2014	38

| 2014 | FDP on NI LabVIEW for Teaching and Research Applications | 23/06/2014 | 23/06/2014 | 27/06/2014 | 26 |
| 2015 | International Workshop on Embedded Systems | 05/01/2015 | 05/01/2015 | 07/01/2015 | 42 |

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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
Abolition of girl child marriages	23/02/2015	23/02/2015	30	25
Empowerment of women at village level	24/02/2015	24/02/2015	30	25

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
As a part of green initiative, Rooftop Solar Power Plant has been proposed to be commissioned in the next year. As of now, percentage of power requirement of the College met by the renewable energy sources in 2014-15 is 0.

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Physical facilities	Yes	100
Provision for lift	Yes	100
Ramp/Rails	Yes	100
Braille Software/facilities	No	0
Rest Rooms	Yes	1500
Scribes for examination	Yes	100
Special skill development for differently abled students	No	0

7.1.4 – Inclusion and Situatedness

Year	Number of initiatives to	Number of initiatives	Date	Duration	Name of initiative	Issues addressed	Number of participating

	address locational advantages and disadvantages	taken to engage with and contribute to local community					students and staff
2015	1	1	23/02/2015	1	Abolition of girl child marriages	Yes	55
2015	1	1	23/02/2015	1	Empowerment of women at village level	Yes	55

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7.1.5 – Human Values and Professional Ethics

Title	Date of publication	Follow up(max 100 words)
Service Manual(Professional Ethics and academic Responsibility)	20/06/2014	Service manual is distributed to all Faculty on rolls
Student Hand Book (Rolls and responsibilities including code of conduct)	01/07/2014	Department wise Student Handbooks is prepared every year and the same is distributed to all students on rolls
Examination Manual (Code of conduct of Examinations)	20/06/2014	Examination Manual is distributed to all faculty on rolls

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
Distribution of Fruits Clothes at Prema Samajam M.R. Hospital, VZM Blood donation camp at M.R. Hospital, VZM	02/05/2014	02/05/2014	155
Plantation Program Environmental Awareness Campaign	05/06/2014	05/06/2014	85
Donation of books to Poor Students (School Children), Primary School Children at Venknnapeta, Gundayyapalem Chittigunkalam. Orphanage students at Brothern Bethlehem Church,	30/06/2014	30/06/2014	66

Chelluru			
Blood Donation Camp at MR PG College	22/07/2014	22/07/2014	52
Distribution of Fruits at MR Hospital Blood Donation Camp at our College	26/07/2014	26/07/2015	125
Independence Day Celebrations	15/08/2014	15/08/2014	155
World Peace Pledge	21/09/2014	21/09/2014	54
NSS Volunteers Students Registration Orientation Program	27/10/2014	20/11/2014	54
Awareness Program on Library It's utilization	14/11/2014	20/11/2014	52
Swaccha Bharat	24/11/2014	29/11/2014	52
[View File](#)			

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

Initiatives to make the campus eco- friendly? a) Energy Conservation 1 Institution meters energy segment wise and constantly reviews the same for initiatives for minimizing the consumption. 2 Periodic energy audit is being conducted at regular intervals by EEE department and recommendation made for savings 3 Periodic inspection and maintenance is carried out for improved performance of electrical systems and reduced loss 4 Awareness among the students and staff on energy conservation is created by displays at appropriate places. 5 The buildings are fitted with glass windows for maximum utilization of natural light. b) Use of Renewable Energy Steps are being taken for the utilization of solar power in the college campus. c) Water Harvesting To minimize the wastage of water resources and to improve the ground water level, the rain water is led into the pond located in the campus. d) Efforts for Carbon neutrality 1 Care is taken to restrict vehicle entry into the campus and specific parking area is allotted for faculty and students. 2 The institute restricted the usage of plastic bags in the campus. e) Plantation 1 Plantation program has been taken up by the NSS unit for increasing the Green Cover in the campus and surrounding villages. 2 The NSS unit regularly conducts awareness programs on plastic free environment in and around the village. f) Hazardous Waste Management and e-Waste Management 1 The condemned batteries are disposed through outside agencies. 2 Awareness programs are initiated on waste management

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

Best Practice-I Title of the Practice Improving Employability Through Skill Development Goal In an attempt to bridge the above gaps as well as enhance the employability of its graduates, MVGR College of Engineering has actively been involved in the design and implementation of add-on programs across different engineering streams. The following are the educational objectives and expected outcomes of such add-on programs: 1. To expose students to industry culture and practices 2. To inculcate in students a flair for problem definition and build

problem-solving capability 3. To provide hands-on training to students in contemporary industry tools and techniques The Context Despite best efforts at developing a curriculum for industry ready engineering graduates, a targeted and well-established approach towards bridging the gap between the talent pool and the demands of core engineering sectors still needs to be clearly defined. Attempts are being made in pockets to understand the industry need and address the same through add-on programs at the undergraduate level. However, the effectiveness of such programs critically depends upon thorough understanding of industry needs and skill requirements and developing programs, in collaboration with the concerned industry sectors, in order to fill the gap. Educational institutions typically tend to work in isolation with the demands of the industry leading to engineering content delivery being mostly textbook oriented and traditional. Students hardly ever get to understand or be exposed to state-of-the-art developments in their respective fields. The Practice Administering an add-on program requires careful consideration of the engineering curriculum already being delivered, the gaps in the curriculum that need to be plugged to make the student industry-ready and the ability of the administering department to effectively bridge this gap. The following is the procedure adopted by departments in introducing an add-on program to bridge curricular gaps: i. Review the academic curriculum and identify gaps in the content ii. Define industry sector requirements and identify potential skill development/training programs to augment student capability iii. Prepare a clear mapping of the curricular gaps with the proposed skill development program iv. Identify available infrastructure with the department and propose additional facilities (if any) required (with budgetary requirements) v. Identify faculty competency available in the department (if any) in the proposed area and/or propose faculty skill enhancement plan (with budgetary requirements) vi. Anticipated intake, proposed course fee and viability of the programme A Detailed Project Report covering the above activities along with the estimated budget, possible demand, proposed course fee and viability for break-even within 5 years is prepared by the department proposing to introduce an add-on program. The report of the department is reviewed by the central administrative team of the college chaired by the Principal. Upon approval of the proposed program, the department proceeds with implementation of the add-on program. The central administrative team is responsible for monitoring the effectiveness of delivery of the add-on programme and in ensuring that the stated objectives and outcomes are met while the departmental program committee, consisting of a team of faculty with relevant training, bears the responsibility for implementation and successful delivery of the program. The college has put in place suitable add-on programs in collaboration with industry to bridge skill gaps. The course content for these programs are detailed based on discussions with the concerned industry and the individual delivery modules and their contents are finalised. The programs are delivered to the students during their course of study at the undergraduate level typically beginning from the later half of their II year and ending in the first half of their final year of study. By the time they complete their B.Tech program, they also receive certification of completion of these industry-oriented training modules. Evidence of Success • Increased student employability as reflected in improved placements • In creased competency and resulting enhanced delivery from faculty in their teaching learning • Increased RD capacity resulting in significant improvement in research proposals • Substantial growth in Industry- Institution collaboration As a result: The college is implementing 8 such add-on programs which are given below: 1. Oracle Certified Java Programmer (OCJP): - This is certified by Oracle Corporation. Over 100 students from the Computer Science and Engineering department have the prestigious OCP certification 2. Creo-2.0:- This is certified by Parametric Technology Corporation. The course was started in 2009 and till date, 160 students have completed the course. Of these, 41 students were placed in

various MNCs on the strength of their certification training 3. NI LabVIEW:- NI LabVIEW Academy has been set up in the college by National Instruments Corporation for training on design and deployment of systems for embedded design applications 4 Process Equipment Design-SIMTECH 5 Technology Learning Center-VLSI-WIPRO Technologies 6 SIEMENS –AC Drives 7 New Down Automation-PLCs 8 Think Labs-Embedded Systems These and few other such add-on programs currently being administered in the college have given a big edge to the students in enhancing their employability. Many of these students easily get placed on the strength of their skill enhancement. Problems Encountered and Resources Required When applied practically, a few gaps exist between the proposed methodology and practical implementation. This is mainly because of the financial constraints as each department is given budgetary allocations exclusively to meet costs of academic services which are curricular in nature. Hence the need for procurement of auxiliary infrastructure to meet the industrial skill needs to be carefully planned and administered properly. To avoid this, measures are taken to anticipate the requirements so that resources can be not only well maintained but also managed to enhance the purpose of skill development. Apart from this, faculty have to be properly trained to justify the objective of the value added program by being flexible to the changes in the current trend. Should there be lack of pace with the contemporary versions of the technology, an aggregate overview of the package is lost. Faculty with aptitude in the program are therefore sent for training at the respective organizations in advance to be able to handle the training programs. Notes(Optional)Nil Contact Details Name of the Principal: Dr. K. V. L. Raju Name of the Institution: City: MVGR College of Engineering Pin Code: 535005 Accredited Status: Accredited with A Grade Work Phone: 08922 241732 Fax: 08922 241014 Website: www.mvgrce.edu.in E-mail: principal.mvgr@gmail.com Mobile: 9440018656 Best Practice-II Title of the Practice Participative Management Goal • To promote in the faculty a sense of belongingness and responsibility for the overall development of the college through collaborative and participative management, the faculty are oriented and motivated to plan, organise and implement activities related to a specific institutional requirement such as conduct of examinations, purchases, civil and infrastructural development etc. The Context For the success of any organisation, it is imperative that all its employees feel a sense of belongingness and learn to take responsibility for the effective functioning of the organisation. In most organisations, employees are given a set of responsibilities and expected to execute them to some degree of conformance. They generally do not have much of a say in the overall integration of these responsibilities to the development of the organisation. Only those organisations that are able to motivate their staff to see and take responsibility for the overall functioning of the organisation can go the extra mile in delivering quality output through coordinated and concerted efforts of the staff and not through individual excellence. The Practice For the overall administration of the institution, there are several requirements that need to be planned and addressed effectively. Generally, the overall responsibility for this lies with the Principal of the college, who, along with a team of administrative staff, attempt to execute the same. This places the entire onus of success of the institution on this team as also the burden of its execution. Moreover, such an approach tends to isolate individual faculty members from the overall institutional challenges for they fail to identify themselves in suitable assistive roles. The practise at MVGR College has been to draw in all its faculty members into different administrative roles so that each and every faculty of the college feel responsible for the overall success of the institution. The faculty are therefore grouped into various committees each headed by a senior faculty member who serves as convenor of the committee. The following are some of the major committees of the college: 1. Examination Cell 2. Purchase Committee 3. Training and Placement Cell 4. Alumni Cell 5. Library

Committee 6. RD Cell 7. Maintenance Committee 8. Disciplinary Committee 9. Grievance Cell 10. College Academic Council 11. E-Services Committee 12. Women Empowerment Cell 13. Cultural Committee 14. Canteen Committee 15. IQAC 16. Magazine Committee The members of each of these committees are drawn one from each department. The Principal of the college serves ex-officio as chairman of all these committees. The members of each of these committees meet on a regular basis to plan, coordinate and implement various developmental activities under their purview. The challenge faced in such an approach is to bring all faculty involved onto a common platform to be able to appreciate the

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

https://www.mvgrce.com/sites/default/files/NAAC/Others/BestPractices.pdf

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

As identified by several surveys, there exists a large gap between industry and academia especially in professional education. This has led to the poor employability of professional graduates. The institution has as its primary vision objective, defined its mandate to provide high-quality education tailored to the needs of students in the emerging technology age. Since it acquired autonomy status in 2015, MVGR has been actively building curriculum and pedagogy approaches to bridge this gap. MVGR conduct bridge courses in basic sciences for students at the first year level to supplement their understanding and build a common platform before embarking on their respective professional programs. Attempt is made by the faculty to also bring in relevant program-wise examples of application of basic sciences (math, physics and chemistry) so that students can better appreciate the importance of strong foundation in basic sciences. Once this platform is built, individual programs deliver their respective curricula that have been developed comprehensively by the concerned faculty members. The curricula attempts to integrate industry practices into academic settings to give students exposure to real-life scenarios both in classroom as well as laboratory sessions. In the classroom, this has been done through the introduction of industry parts catalogue for design and selection of suitable part. In the laboratory, attempts have been made to recreate industry scenarios that students have to address through suitably self-designed experiments and present the solution to the problem. Elective course on leadership using a case-based approach as adopted in the world's best management institutions such as Harvard and MIT, was introduced at the undergraduate level to engineering students to give them exposure to alternate pedagogical approaches as well as to prepare them for leadership careers in industry. The autonomous curriculum also offers elective streams that are carefully designed to build competence in upcoming areas of technology such as cloud computing, big data analytics, product development etc. rather than providing a list of electives alone. These major curriculum development initiatives have helped the faculty members carefully understand the needs of the student in the present smart connected age and build competence in them accordingly through a combination of curriculum, pedagogy approaches and evaluation methodologies.

Provide the weblink of the institution

https://www.mvgrce.com/sites/default/files/NAAC/Others/InstitutionalDistinctiveness.pdf

8.Future Plans of Actions for Next Academic Year

? To focus more and improve training on communication skills ? To broaden the scope of Career Guidance Cell ? Increased engagement in training for National Level Competitive Examinations ? To work for improved core industry participation in placements ? To work for deeper engagement of Students through Professional Club Activities ? To progressively strengthen faculty and student certifications through MOOCs platform ? To focus more on Faculty interaction with outside world ? To further strengthen Research and Consultancy ? To work for IPRs Patents ? Deeper engagement of students in community services ? To become Residential Campus