



Yearly Status Report - 2015-2016

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		Chintalavalavalasa (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.Ravindra nadh		
Phone no/Alternate Phone no.			08922241752		
Mobile no.			9346317178		
Registered Email			dean.sp.mvgr@gmail.com		
Alternate Email			principal.mgr@gmail.com		
3. Website Address					
Web-link of the AQAR: (Previous Academic Year)			https://www.mvgrce.com/sites/default/files/NAAC/AQAR/AQAR2014-15.pdf		
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%202015-16.pdf		
5. Accrediation Details					
Cycle	Grade	CGPA	Year of Accrediation	Validity	
				Period From	Period To
1	A	3.23	2009	15-Jun-2009	14-Mar-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
Wipro Mission 10X, Student Engineering Workshop	21-Aug-2015 4	64
Mission 10X, Engineering Faculty Workshop	16-Jun-2015 3	33
Advances in Manufacturing	05-Mar-2016 1	30
Mechanical Circulatory Support Systems in Cardiovascular Fluid Mechanics	27-Feb-2016 1	30
PIPENET	06-Nov-2015 3	40
Application of GIS in waterResources Engineering	23-Nov-2015 6	45
A Two Day National Workshop on Soft Computing Techniques-2016 (SCT-2K16)	14-Mar-2016 2	65
Real-time Applications of Microcontrollers and DSP	15-Jun-2015 5	58
Emerging Trends in Manufacturing & Emerging Trends in Education and Use of Technology	20-Jul-2015 3	30
Ansys-Training	16-Dec-2015 4	6
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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. K. V. L. Raju	FIST	DST	2015 1825	3000000
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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)															
<p>1. Plays key role in inculcating research culture among faculty and students. 2. Conducts formal and informal department staff meetings to focus on Innovation in teaching especially student centric and participatory learning. 3. Conducted regular meetings with HoDs and conveners of academic and administrative committees on various quality enhancement measures, practices, procedures etc... 4. Act as a nodal agency of the Institution for coordinating qualityrelated 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.</p>															
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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															
<table border="1"> <thead> <tr> <th>Plan of Action</th> <th>Achivements/Outcomes</th> </tr> </thead> <tbody> <tr> <td>To encourage students to get them certified on emerging trends and modern tools in their branch of Engineering</td> <td>Certification Programs 2015-16 : No. of students certified:592. The statement of number of students certified:</td> </tr> <tr> <td>To have MoUs with industry with SIEMENS APSSDC & NASSCOM</td> <td>MoUs signed 2015-16 : 06.</td> </tr> <tr> <td>To encourage faculty holding PhD degrees involve with research activities including getting them recognised as PhD-supervisors by University</td> <td>Faculty recognized as Research Supervisors by JNTU-K - 36.</td> </tr> <tr> <td>To encourage faculty to get trained and certified on emerging trends and modern tools of their area of specialisation</td> <td>No. of Trained & Certified Resource persons for the AY 2015-16): 60</td> </tr> <tr> <td>To encourage faculty to get funded projects from external agencies</td> <td>Funded Projects sanctioned for the academic year 201516 : 04</td> </tr> <tr> <td colspan="2" style="text-align: center;">View File</td> </tr> </tbody> </table>		Plan of Action	Achivements/Outcomes	To encourage students to get them certified on emerging trends and modern tools in their branch of Engineering	Certification Programs 2015-16 : No. of students certified:592. The statement of number of students certified:	To have MoUs with industry with SIEMENS APSSDC & NASSCOM	MoUs signed 2015-16 : 06.	To encourage faculty holding PhD degrees involve with research activities including getting them recognised as PhD-supervisors by University	Faculty recognized as Research Supervisors by JNTU-K - 36.	To encourage faculty to get trained and certified on emerging trends and modern tools of their area of specialisation	No. of Trained & Certified Resource persons for the AY 2015-16): 60	To encourage faculty to get funded projects from external agencies	Funded Projects sanctioned for the academic year 201516 : 04	View File	
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14. Whether AQAR was placed before statutory body ?	Yes														

Name of Statutory Body	Meeting Date
Management	12-Jun-2015
15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?	No
16. Whether institutional data submitted to AISHE:	Yes
Year of Submission	2015
Date of Submission	31-Oct-2015
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)	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 Withdrawal, 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)

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
BTech	01	CIVIL ENGINEERING	01/07/2015
BTech	01	EEE	01/07/2015
BTech	01	MECHANICAL	01/07/2015
BTech	01	ECE	01/07/2015
BTech	01	CSE	01/07/2015
BTech	01	CHEM	01/07/2015
BTech	01	IT	01/07/2015
Mtech	15	MD	01/07/2015
Mtech	58	CSE	01/07/2015
Mtech	57	VLSI	01/07/2015
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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	01/07/2015	Survey Field work-1(RT21017)	01/07/2015
BTech	Civil Engineering	01/07/2015	Building Planning and Drawing (RT22011)	01/07/2015
BTech	Civil Engineering	01/07/2015	STAAD Pro & GIS LAB(RT4101M)	01/07/2015
BTech	Mechanical	01/07/2015	Creo	01/07/2015
BTech	CSE	01/07/2015	Human Computer Interaction	01/07/2015
BTech	CSE	01/07/2015	Software Testing Methodologies	01/07/2015
BTech	CSE	01/07/2015	Cloud Computing(10A70506)	01/07/2015
BTech	CSE	01/07/2015	Information Retrieval Systems(10A80509)	01/07/2015
BTech	CSE	01/07/2015	Mobile Computing(01/07/2015
BTech	IT	01/07/2015	Human Computer Interaction	01/07/2015
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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
BTech	NIL	01/07/2016
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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
BTech	CIVIL ENGINEERING	01/07/2015
BTech	EEE	01/07/2015
BTech	MECHANICAL	01/07/2015
BTech	ECE	01/07/2015
BTech	CSE	01/07/2015
BTech	CHEM	01/07/2015
BTech	IT	01/07/2015
Mtech	MD	01/07/2015
Mtech	CSE	01/07/2015
Mtech	VLSI	01/07/2015
Mtech	CNIS	01/07/2015
Mtech	SE	01/07/2015
Mtech	PS	01/07/2015
MBA	MBA	01/07/2015

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	01/07/2015	26
Basics of RS, GIS and GNSS applications	01/07/2015	20
PLC Training Program	01/07/2015	37
Freshman Induction Program	01/07/2015	112
Life Skills Training Program	01/07/2015	138
CREO	01/07/2015	72
CCNA(Add-on)	01/07/2015	16
JAVA(Add-on)	01/07/2015	35
CEH(Add-on)	01/07/2015	13
Life Skills Training Program	01/07/2015	60
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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
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		Projects / Internships
BTech	CIVIL	40
BTech	EEE	129
BTech	MECHANICAL	226
BTech	CSE	71
BTech	CHEM	20
BTech	IT	25
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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
<p>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.</p>

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
BTech	CIVIL	120	124409	109
BTech	EEE	120	119863	112
BTech	MECHANICAL	180	96224	180
BTech	ECE	180	103393	180
BTech	CSE	180	121376	177
BTech	CHEM	60	127180	51
BTech	IT	60	129681	56
Mtech	SE	18	3459	14
Mtech	PS	18	976	10
Mtech	VLSI	18	3716	17

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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
2015	3844	387	222	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	Number of smart classrooms	E-resources and techniques used
253	253	65	64	0	51

[View File of ICT Tools and resources](#)

[View File of E-resources and techniques used](#)

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
4231	253	1:16.7

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
247	247	0	45	61

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
2015	Dr R Gowrisankar Rao	Professor	External Ph.D Supervisor JNTU, Kakinada
2015	Dr G SUVARNA KUMAR	Assistant Professor	Best Thesis Award CSI (Computer Society of India)

2015	K V SUBBA RAJU	Assistant Professor	Instructor Excellence Expert, CISCO
2015	Dr. S.V.A.R.Sastry	Associate Professor	International Biographical Centre Man of the Year 2015
2015	Dr. S.V.A.R.Sastry	Associate Professor	Cambridge Certificate for Outstanding Professional Achievement
2015	Dr. S.V.A.R.Sastry	Associate Professor	Selected in the prestigious 2000 Outstanding Intellectuals of the 21st Century, 9th Ed." (published in IBC- International edition in Nov. 2015)
2015	Dr. S.V.A.R.Sastry	Associate Professor	Biography published in Marquis Who's Who Publications in America-2015, 33rd edition
2015	Dr. B.M.B. Krushna	Assistant Professor	Doctor of Philosophy, Andhra University
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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
MCA	04	EVEN	11/07/2016	30/09/2016
MCA	04	ODD	12/11/2015	01/02/2016
MBA	03	EVEN	11/07/2016	30/09/2016
MBA	03	ODD	03/02/2016	16/06/2016
Mtech	02	EVEN	11/07/2016	30/09/2016
Mtech	02	ODD	03/02/2016	16/06/2016
BTech	01	EVEN	09/05/2016	02/06/2016
BTech	01	ODD	08/12/2015	29/01/2016
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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
6	947	0.006

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
04	MCA	EVEN	13	13	100
04	MCA	ODD	13	13	100
03	MBA	EVEN	91	83	91.21
03	MBA	ODD	91	91	100
02	Mtech	EVEN	95	89	93.68
02	Mtech	ODD	95	89	93.68
01	BTech	EVEN	947	775	81.84
01	BTech	ODD	947	750	79.20

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2.7 – Student Satisfaction Survey

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

<https://www.mvgrce.com/sites/default/files/NAAC/SSS/StudentSatisfactionSurvey2015-16.pdf>

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 I Sudhakar	Ph D	27/10/2015	Andhra University, Visakhapatnam
National	M VINODH KUMAR	National Research Fellowship	01/02/2016	NFOBC
National	Dr. B. V. Ramanaiah	QIP	23/06/2015	AICTE

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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	1825	DST	3500000	2100000
Minor Projects	730	UGC	170000	0
Major Projects	730	DST	27640000	400000
Minor Projects	730	UGC	340000	64400
Minor Projects	730	UGC	290000	0

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3.2.2 – Number of ongoing research projects per teacher funded by government and non-government agencies during the years

7

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 workshop on the occasion of world water day - Better Water Better Jobs	CIV	22/03/2016
3 day workshop on hydraulic analysis of water distribution networks using EPANET	CIV	05/01/2016
Electrical Power Systems	EEE	21/05/2016
Emerging Trends in Manufacturing	MEC	20/07/2015
Emerging Trends in Manufacturing	MEC	20/07/2015
BARC Outreach Programme	MEC	02/02/2016
Mechanical Circulatory Support Systems in Cardiovascular Fluid Mechanics	MEC	27/02/2016
Advances in Manufacturing	MEC	05/03/2016
Hadoop and Big Data Analytics	CSE	14/11/2016
IPR Its Importance by Harsha IBM	CSE	20/02/2016
Guest lecture on HR Challenges in Pharma Industry	MBA	26/08/2015
A workshop on GST -	MBA	03/11/2015

Issues and Practical Complexities		
Guest lecture on Innovation for India by India in India with focus on entrepreneurship	MBA	23/11/2015
Guest lecture on Company Secretary modules examinations and opportunities	MBA	02/12/2015
Guest lecture on Contemporary issues in Banking and Finance	MBA	11/02/2016
Guest lecture on Technology Acquisition-Options and Implications	MBA	03/03/2016
Guest lecture on Inauguration of Communication Club	MBA	23/02/2016
Guest lecture on Retail Management	MBA	09/03/2016
Guest lecture on Taxes and Incentives in Budget 2016 - Impact Analysis	MBA	11/03/2016
Guest lecture on Economic Survey Budget Analysis (Primary Sector)	MBA	11/03/2016
Guest lecture on Industry experts interaction with the students	MBA	12/03/2016
Guest lecture on Industry experts interaction with the students	MBA	12/03/2016
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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
SHAstra CIRCUIT DESIGN CHALLENGE" at IIT, Madras	P.Vikas	IITM, Madras	22/01/2016	Participation
SHAstra CIRCUIT DESIGN CHALLENGE" at IIT, Madras	R. Praveen	IITM, Madras	22/01/2016	Participation
SHAstra CIRCUIT DESIGN CHALLENGE" at IIT, Madras	R. Uday Kumar	IITM, Madras	22/01/2016	Participation
National Level Student	M. Padmaja	GMRIT,Rajam	08/01/2016	1st Prize

Technical Paper Contest and Exhibition - 2K16 "STEPSTONE - 2K16				
National Level Student Technical Paper Contest and Exhibition - 2K16 "STEPSTONE - 2K16	N.V.S.Sushmitha	GMRIT,Rajam	08/01/2016	1st Prize
IEEE International Conference on "Control Instrumentation Communication And Computational Techniques" ICCICT - 2015	M.S.Rohit	The Dept. of EIE, Noorul Islam University, Kanyakumari	18/12/2015	Participation
IEEE International Conference on "Control Instrumentation Communication And Computational Techniques" ICCICT - 2015	P.Vikas	The Dept. of EIE, Noorul Islam University, Kanyakumari	18/12/2015	Participation
Presented the paper titles "Automation of street lights using Arduino NI LabVIEW" in IEEE UPCON 2015	M.Mahesh	IIIT, Allahabad	04/12/2015	Participation
Training Program on "UNMANNED GROUND VEHICLE" TECHKRITI'16, TECHFEST VIZAG - 2K15	N.V.S.Sushmitha	AU Platinum Jubilee Guest House, AU, VSKP	18/10/2015	Participation
Event Organised by AUWEEESA, E-SPECTRA2K15 by Andhra University Women Electrical Engineering Student Association	N.V.S.Sushmitha	Dept. of EE, AUCE for Women,AU, VSKP	22/09/2015	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 !!!					
No file uploaded.					

3.4 – Research Publications and Awards

3.4.1 – Ph. Ds awarded during the year

Name of the Department	Number of PhD's Awarded
CSE	3
Chemical	2
IT	1
MBA	1
ECE	2

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	8	0
International	CIVIL	14	0.50
International	EEE	11	1.48
International	MEC	24	1.38
International	ECE	41	2
National	CSE	5	0.55
International	CSE	9	1.08
International	CHE	3	0.70
International	MBA	16	1.81

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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	7
MEC	6
ECE	23
CSE	2
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
Numerical modelling and spatial moment analysis of solute transport with Langmuir sorption in a fracture matrix-coupled system	N.Natarajan	ISH journal of hydraulic engineering	2015	0.366	NO	5
Use of miniature specimen test and finite element method for evaluation of yield strength and fracture toughness in metallic alloys	Partheepan Ganesan	Journal of testing and evaluation	2015	0.286	NO	2
Reliability based optimal design of a municipal water supply pipe network	S Chandramouli	Urban Water Journal (Taylor Francis)	2015	0.596	YES	2
Uncertainty analysis of looped water distribution	S Chandramouli	Water Resources Management	2015	1.007	YES	9

networks used linked EPANET-GA method						
A comparative study on the infiltration characteristics of soils in Srikakulam district, Andhra Pradesh, India	S.Chandra Mouli, N Natarajan	Asian journal of Water, Environment and Pollution	2015	0.196	YES	6
Long term Losses in Pre-stressed Concrete Members as Per IS 1343:2012 and IS: 1343:1980	P Markandeya Raju	Indian Concrete Journal	2015	0.151	YES	0
Effect of Column Spacing on Economy of G 5 RC Moment Resisting Frame-A Typical Computer Aided Case Study	P Markandeya Raju	International Journal of U- e- Service, Science Technology	2015	0.104	YES	4
Deflections in non-prismatic simply supported prestressed concrete beams	P Markandeya Raju	Asian Journal Of Civil Engineering	2015	0.233	YES	1
Seismic Fragility Analysis of Regular and Setback RCC Frames - A Few Hypothetical	P.Markandeya Raju, S Siva Bhanu	Asian Journal of Civil Engineering	2015	0.233	YES	6

Case
Studies

[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
Seismic Fragility Analysis of Regular and Setback RCC Frames - A Few Hypothetical Case Studies	P.Markandeya Raju, S Siva Bhanu	Asian Journal of Civil Engineering	2015	18	6	YES
Deflections in non-prismatic simply supported prestressed concrete beams	P Markandeya Raju	Asian Journal Of Civil Engineering	2015	18	1	YES
Effect of Column Spacing on Economy of G 5 RC Moment Resisting Frame-A Typical Computer Aided Case Study	P Markandeya Raju	International Journal of U- e- Service, Science Technology	2015	1	4	YES
Long term Losses in Pre-stressed Concrete Members as Per IS 1343:2012 and IS: 1343:1980	P Markandeya Raju	Indian Concrete Journal	2015	20	0	YES
A comparative study on the infiltration characteri	S.Chandra Mouli, N Natarajan	Asian journal of Water, Environment and	2015	8	6	YES

stics of soils in Srikakulam district, Andhra Pradesh, India		Pollution				
Un certainty analysis of looped water distribution networks used linked EPANET-GA method	S Chandramouli	Water Resources Management	2015	91	9	YES
Reliability based optimal design of a municipal water supply pipe network	S Chandramouli	Urban Water Journal (Taylor Francis)	2015	37	2	YES
Use of miniature specimen test and finite element method for evaluation of yield strength and fracture toughness in metallic alloys	Partheepan Ganesan	Journal of testing and evaluation	2015	33	2	NO
Numerical modelling and spatial moment analysis of solute transport with Langmuir sorption in a	N.Natarajan	ISH journal of hydraulic engineering	2015	13	5	NO

fracture matrix-coupled system					
View File					

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

Number of Faculty	International	National	State	Local
Attended/Seminars/Workshops	19	165	16	73
Presented papers	34	18	2	1
Resource persons	4	7	1	0
View File				

3.5 – Consultancy

3.5.1 – Revenue generated from Consultancy during the year

Name of the Consultant(s) department	Name of consultancy project	Consulting/Sponsoring Agency	Revenue generated (amount in rupees)
CIV	Material Testing(Concrete, Steel, Bricks, Bitumen and Aggregates.)	Vizianagaram Municipality, RWSS Vizianagaram, RWSS Cheepurupalli and Other private agencies	44800
CIV	Soil Testing	RWSS Vizianagaram, VUDA and Other Private Agencies	23500
CIV	Vetting of design of water tank	VUDA	5000
CIV	Construction of Minor Bridge at Phholbagh, Vizianagaram	VUDA	158562
CIV	Traffic Impact Study	AU/CMR	15000
CIV	Culvert Design	VUDA	39102
CIV	Water Supply Scheme design	VUDA	15000
CIV	Vetting of Design of Water Distribution Network	VUDA	10000
MEC	VCR Engine, , Gas analyser and Smoke meter	Aditya college of Engineering, Kakinada	1500
MEC	Image Analyser for Microstructure study	Avanthi Institute of Engineering and Technology	1500

[View File](#)

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
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No Data Entered/Not Applicable !!!

[View File](#)

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
Distribution of Fruits Clothes at Prema Samajam M.R. Hospital, VZM Blood donation camp at M.R. Hospital, VZM	MVGRCE, NSS Unit [068]	4	50
Plantation on occasion of " World Environment day"	MVGRCE, NSS Unit [068]	4	50
Yoga and Meditation Awareness Campaign	MVGRCE, NSS Unit [068]	5	100
Donation of books to Poor Students (School Children)	MVGRCE, NSS Unit [068]	2	50
Legal Awareness Camp On the following subjects: 1. Anti-Ragging Rules and Regulations 2. Fundamental Rights and Duties of the Citizens	MVGR COLLEGE OF ENGINEERING	4	150
Independence Day Celebrations	MVGRCE, NSS Unit [068]	5	150
Distribution of Fruits Clothes at Prema Samajam M.R. Hospital, VZM	MVGRCE, NSS Unit [068]	3	50
Green Vote	MVGRCE, NSS Unit [068]	5	50
Blood Donation Camp in association with M. R. Blood bank, Vizianagaram and Rotary Club, Vishakhapatnam, on	MVGR COLLEGE OF ENGINEERING	8	300

15-10-15 (Thursday) On the Occasion of 84th Birth Anniversary of "Dr. A.P.J. Abdul Kalam"		
View File		

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	District Level Award for Mega Blood Donation Camp	MR Blood Bank	160
Blood Donation Camp	District Level Award for Mega Blood Donation Camp	Indian Red Cross Society	300
View File			

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
NSS	MVGRCE, NSS Unit [068]	Planataion Programme	8	100
NSS	MVGRCE, NSS Unit [068]	Postive Health Camapaign	8	100
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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	6
View File			

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	WORKING CAPITAL MGMT	SIVA SANKAR MOTORS (TATA MOTORS), VIS AKHAPATNAM	01/05/2016	31/05/2016	1
Project work	ATTRITION	SEVEN HILLS HEALTH CARE	01/05/2016	31/05/2016	1

		(P) LTD, VISAKHAPATNAM			
Project work	A STUDY ON HR PRACTICES	GREEN PARK HOTEL, VISAKHAPATNAM	01/05/2016	31/05/2016	1
Project work	HR-PRACTICES	GE-TECH EQUIPMENTS (P) LTD, HYDERABAD	01/05/2016	31/05/2016	1
Project work	CUSTOMER LOYALTY	FUTURE LIFESTYLE FASHIONS (VISAKHA CENTRAL)	01/05/2016	31/05/2016	1
Project work	TRAINING AND DEVELOPMENT	FUTURE GROUP - BIG BAZAAR	01/05/2016	31/05/2016	1
Project work	STRESS LEVELS OF APSRTC BUS DRIVERS	APSRTC, VISAKHAPATNAM REGION	01/05/2016	31/05/2016	1
Project work	FINANCIAL DERIVATIVES (F A)-BSE	ANGEL BROKING PVT. LTD., VISAKHAPATNAM	01/05/2016	31/05/2016	1
Project work	INVENTORY MANAGEMENT	ANDHRA FERRO ALLOYS, GARIVIDI	01/05/2016	31/05/2016	1
Project work	DEBTORS MANAGEMENT	AIRPORT AUTHORITY OF INDIA, VISAKHAPATNAM	01/05/2016	31/05/2016	2
View File					

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
TCS	06/07/2015	For providing end to end infrastructural support as defined in the scope of services.	10
Andhra Pradesh Skill Development Center and NASSCOM	04/09/2015	To provide qualification Pack (QP) based training program to enhance student skills and employability	12
Clairion Services and Systems Pvt.	16/11/2016	To provide training, seminars,	10

Ltd.		consultancy, workshops etc. to MVGR college	
SIEMENS India Ltd	12/04/2016	Training support to students on Automation and Drive Modules	6
Benaka Bio Technologies	30/05/2016	Bio Gas and Bio Technologies	14
Adroitec Engineering Solutions Pvt. Ltd.	05/01/2015	Skill improvement on different software programmes ,Centre of excellence in Product Lifecycle Management	20
BENAKA BIOTECHNOLOGIES	30/05/2015	To share technolgies and know how in the area of biogas and biotechnologies	9
View File			

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
500	515.82

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
View File	

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 partially)	Version	Year of automation
SOUL (Software of University Libraries)	Fully	2	2015

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	3012	2021408	1808	1413954	4820	3435362
Reference Books	970	505353	642	350000	1612	855353
e-Books	352	152750	356	173901	708	326651
Journals	140	441388	9	387662	149	829050
e-Journals	1310	1706730	13	2139977	1323	3846707
Digital Database	6252	134562	0	136800	6252	271362
CD & Video	1378	55120	138	5520	1516	60640
Weeding (hard & soft)	0	0	0	0	0	0
Library Automation	0	80000	0	0	0	80000
Others (specify)	0	0	0	0	0	0

[View File](#)

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 !!!			

[View File](#)

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	1016	10	25	3	1	13	13	25	0
Added	265	0	175	1	0	0	0	175	0
Total	1281	10	200	4	1	13	13	200	0

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

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 incurred on maintenance of physical facilities
757.67	687.97	235.49	154.59

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

- 1. 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.
- 2. 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.
- 3. 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.
- 4. 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.
- 5. 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.
- 6. 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. 7. 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	65	1375176
Financial Support from Other Sources			
a) National	0	0	0
b) International	0	0	0
View File			

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 implementation	Number of students enrolled	Agencies involved
Personal Counselling	01/08/2015	120	MBA faculty
Mentoring etc Student Counselling	15/07/2015	222	IT DEPT FACULTY
Yoga, International yoga day a seminar was conducted about importance of yoga.	21/06/2015	28	YOGA PROFESSIONAL
Remedial coaching Supplementary remedial(I sem)	07/12/2015	145	In House
Personal Counselling Student Counselling Programme	01/06/2015	500	Department Faculty
Bridge courses Lateral Entry Students	14/08/2015	36	MVGR College of Engg
Remedial coaching	08/08/2015	122	MVGR College of Engg
Soft skill development Creo, Windchill, ANSYS Training	01/07/2015	177	PTC CENTRE OF EXCELLENCE

Bridge Classes for Lateral Entry Studentss	22/01/2015	32	MVGR College of Engg
Remedial Classes	15/10/2015	48	MVGR College of Engg
View File			

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
2015	CRT	667	183	0	617
2015	GATE	259	0	85	0
View File					

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
3	3	7

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
TCS		199	POLARIS		15
View File					

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
2016	10	B.Tech	Mechanical	TISS-Mumbai	MBA
2016	9	B.Tech	Mechanical	MRPG-VZM	MBA
2016	8	B.Tech	Mechanical	Visvesvaraya National Institute of Tech.	M. Tech
2016	7	B.Tech	EEE	AMRITA UNIVERSITY	M. Tech
2016	6	B.Tech	EEE	Andhra University	M. Tech
2016	5	B.Tech	EEE	NIT, Trichy	M. Tech

2016	4	B.Tech	Civil	NICMAR	PGDM
2016	3	B.Tech	Civil	NIT, Roukela	M. Tech
2016	2	B.Tech	Civil	GITAM	M. Tech
2016	1	B.Tech	Civil	AMITY	MBA
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5.2.3 – Students qualifying in state/ national/ international level examinations during the year (eg:NET/SET/SLET/GATE/GMAT/CAT/GRE/TOFEL/Civil Services/State Government Services)

Items	Number of students selected/ qualifying
GATE	41
CAT	8
Civil Services	2
GRE	5
TOFEL	14
View File	

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

Activity	Level	Number of Participants
^C Exam	State Level	16
^B Exam	State Level	27
Combined Annual Training Camp	2(A) CTR Unit Level	55
View File		

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/ International	Number of awards for Sports	Number of awards for Cultural	Student ID number	Name of the student
2015	Inter University Represented	National	1	0	13331A05A6	Shaik Noor BashaVolley Ball
2015	Inter University Represented	National	1	0	12331A0363	K.Padmavathi Volley Ball
2015	Inter University Represented	National	1	0	13331A0305	A.Pavan Siva Kumar , Chess
2015	Inter University Represented	National	1	0	12331A03H2	R.Y.K.Naik Cricket
2015	Inter University	National	1	0	13331A02B4	V.Hemanth Kumar

	Represented					Cricket
2015	Inter University Represented	National	1	0	15331A0185	K.Rakesh Varma Hockey
2015	Inter University Represented	National	1	0	13331A0379	K.Prasanth , Hockey
2015	400 mtrs. Gold Medal	National	1	0	13331A04G9	D.Venkateswara Rao, Athletic
2015	4th Place in 200mtrs. Running & 100mtrs. Running	National	1	0	13331A04G9	D.Venkateswara Rao Athletics
2015	Individual Athletic Championship	National	1	0	13331A04G9	D.Venkateswara Rao, Athletics
View File						

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: 1. Each class for each year of study nominates two Class Representatives (CRs) one from girls and one from boys 2. As such each year of study is going to have two CRs for each section in each program department. 3. 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. 4. 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. 5. 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. 6. The ancillary student bodies are a) Cultural Committee b) Sports Committee c) Anti - Ragging Committee d) NSS Committee e) Magazine Committee f) Women Empowerment g) Entrepreneur Development Committee h) Alumni Committee i) 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 Association (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:

5918

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

0

5.4.4 – Meetings/activities organized by Alumni Association :

1. Reunion meet exclusively for MBA Alumni at MVGR College of Engineering 2. 8 Women alumni reached college to share workplace challenges a women can experience with girl students. 3. Mr. Ashwin chouhan, Sr Consultant AMAZON, shared his experience on handling light weight database systems for enterprise projects. 4. Mr Nishanth Paruvu, Marketing Engineer - Forbes Marshall, took a session with final year students to enlighten them on career opportunities in core areas 5. Mr C Mallik Santosh Kumar, Chief Manufacturing Engineering - Wabco India Ltd, interacted with final year students of mechanical engineering and gave suggestions 6. Mr Pratap Chandra, Technical Analyst HCL, gave a technical talk on Secure and robust application development techniques through skype to 3rd year students

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
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.
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.
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
Library, ICT and Physical	1. Exit feedback is collected from the

Infrastructure / Instrumentation

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

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
Examination and Evaluation	<p>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</p>
Teaching and Learning	<p>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</p>
Curriculum Development	<p>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.</p>

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

E-governance area	Details
<p>Planning and Development</p>	<p>1. SMS system for dissemination of information including regular notice to students is implemented. 2. ERP Management system is implemented with database of students, faculty and staff etc. 3. Library is automated using 'SOUL' software</p>
<p>Administration</p>	<p>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</p>
<p>Finance and Accounts</p>	<p>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</p>
<p>Student Admission and Support</p>	<p>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</p>
<p>Examination</p>	<p>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.</p>

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)
2015	PIPENET - 2015	Nil	10/12/2015	12/12/2015	5	0
2015	Guest lecture by Sri A Mohan Fernando, HR, LT	Nil	15/09/2015	15/09/2015	13	0
2015	Real-time Applicatio ns of Micr ocontrolle rs and DSP	Nil	15/06/2015	19/06/2015	38	0
2016	Wipro- Mission 10X Programme	Summer Training Program on different labs	02/03/2016	04/03/2016	5	11
2015	Wipro Mission 10X, Student En gineering Workshop	Nil	21/08/2015	24/08/2015	10	0
2016	Nil	Intranet and Internet Facilities	09/05/2016	14/05/2016	10	0
2015	Wipro Mission 10X Engine ering Faculty Workshop	Nil	16/06/2015	18/06/2015	30	0

2015	An Awareness Programme on Capital Market-Issues, Trends and Developments	Nil	15/10/2015	15/10/2015	68	0
2015	One day Workshop on GST - Issues and Practical Complexities	Nil	03/11/2015	03/11/2015	115	0
2015	Wipro Mission 10X Engineering Faculty Workshop	Nil	16/06/2015	18/06/2015	30	0

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6.3.3 – No. of teachers attending professional development programmes, viz., Orientation Programme, Refresher Course, Short Term Course, Faculty Development Programmes during the year

Title of the professional development programme	Number of teachers who attended	From Date	To date	Duration
Academic Leadership workshop "Mission 10X Program"	1	18/08/2015	21/08/2015	04
Faculty Development Programme on "Real-time Applications of Micro-controllers DSP"	1	15/06/2015	19/06/2015	5
A Three Day Short Term Course on "Recent Trends and Applications in Smart and Micro Grids"	1	10/07/2015	12/07/2015	3
Training Program on "Power system Studies,	1	10/08/2015	21/08/2015	12

planning and Analysis" - Training Module				
One day workshop on Green Vishaka conducted by Indian Express	6	03/06/2015	03/06/2015	1
International Conference on Innovations in Structural Engineering (ICISE)-2015	6	14/11/2015	16/12/2015	3
De-Pave (Developments in Pavement Design, Analysis and Material characterization)	40	15/11/2015	17/11/2015	3
Better water Better jobs	40	22/03/2016	22/03/2016	1
Academic Leadership Workshop (Mission 10X)	40	21/07/2015	24/07/2015	4
Water Distribution Network Modelling Using EPANET	40	06/11/2015	08/11/2015	3

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

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
45	45	13	13

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
1. Group Gratuity Scheme for all the staff 2. Provisions of Employees Provident Fund (EPF) ESI 3. Group Insurance cover to the tune of Rs. 2,00,000/- 4. Medical Insurance Cover to the tune of Rs. 1,00,000/- to Employee family members 5. Cash Incentives for Research Publications and	1. Group Gratuity Scheme for all the staff 2. Provisions of Employees Provident Fund (EPF) ESI 3. Group Insurance cover to the tune of Rs. 2,00,000/- 4. Medical Insurance Cover to the tune of Rs. 1,00,000/- to Employee family members 5. Pay Scales with allowances 6. Free local	1. Gold Medals and Silver Medals to the best performers. 2. Industrial Visits -free transport. 3. Seminars/Workshops/Refresher Courses - T.A., D.A., Registration Fee reimbursements. 4. Extramural Sports, Cultural Literary Events - T.A., D.A. reimbursements 5.

<p>other such RD Activities such as Funded Projects, Consultancy, MOOCs, Patents etc... 6. Sponsorship for higher Education through QIP. 7. Academic Leave with Pay to pursue PhD 8. Reimbursement of TA, DA, Registration Fee to attend FDPs such as Seminars / Workshops / Refresher Courses / GIAN / Industry Internships / Training on Modern Tools / etc... 9. Reimbursement of application and registration fee of Patents for filing 10. Financial Assistance / Sponsorship for attending conferences outside India subject to a maximum of 25000/- 11. Sponsorship of Professional Society Memberships free (Full for HODs and 50 for faculty) 12. Internal RD funding to faculty 13. AICTE 6th Pay Scales with allowances 14. Paid Maternity Leave of SIX months</p>	<p>transportation for NT Staff 7. Paid Maternity Leave of SIX months</p>	<p>Sponsorship for fabrication/modelling works in projects 6. Free transport for socially disadvantaged students 7. 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</p>
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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 granting 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
No Data Entered/Not Applicable !!!					
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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
Empowerment of women at village level Door to Door Campaign on Abolition of girl child marriages	14/03/2016	15/03/2016	30	30

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 2015-16 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 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
2016	1	1	14/03/2015	1	Abolition of girl child marriages	Yes	30
2016	1	1	15/03/2015	1	Empowerment of women at village level	Yes	30

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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)	20/06/2015	Service manual is distributed to all Faculty on rolls
Student Hand Book (Rolls and responsibilities including code of conduct)	01/07/2015	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)	20/06/2015	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	02/05/2015	02/05/2015	54
Plantation on occasion of " World Environment day"	05/06/2015	05/06/2015	54
Yoga and Meditation Awareness Campaign	21/06/2015	21/06/2015	105
Donation of books to Poor Students (School Children)	05/07/2015	05/07/2015	52
Legal Awareness Camp On the following subjects: 1. Anti-Ragging Rules and Regulations 2. Fundamental Rights and Duties of the Citizens	06/07/2016	06/07/2016	154
Independence Day Celebrations	15/08/2015	15/08/2015	155
Distribution of Fruits Clothes at Prema Samajam M.R. Hospital, VZM	26/08/2015	26/08/2015	53
Green Vote	02/10/2016	02/10/2016	55
NSS Volunteers Students Registration Orientation Program	05/10/2015	05/10/2015	227
Blood Donation Camp in association with	15/10/2015	15/10/2015	308

M. R. Blood bank,
Vizianagaram and
Rotary Club,
Vishakhapatnam, on
15-10-15 (Thursday)
On the Occasion of
84th Birth
Anniversary of "Dr.
A.P.J. Abdul Kalam"

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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 • Increased 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