

ANNUAL QUALITY ASSURANCE REPORT (AQAR) 2010-11

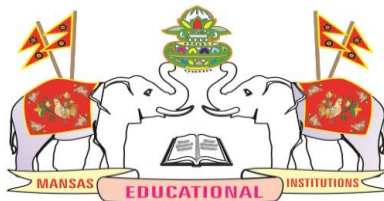
Submitted to



**NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL
(NAAC)**

By

**INTERNAL QUALITY ASSURANCE CELL (IQAC)
OF**



MAHARAJ VIJAYARAM GAJAPATHI RAJ (MVGR) COLLEGE OF ENGINEERING

(Approved by AICTE, New Delhi, and permanently affiliated to JNTUK, Kakinada)

Accredited by NBA of AICTE, NAAC with 'A' Grade of UGC, Listed u/s 2(f) & 12(B) of UGC Act 1956.

Vijayaram Nagar Campus, Chintalavalasa,
Vizianagaram-535005, Andhra Pradesh

1.



ANNUAL QUALITY ASSURANCE REPORT (AQAR) OF THE IQAC : 2010-11

MVGR College of Engineering, Vizianagaram

The NAAC has introduced a new on-line questionnaire for the annual report format to be submitted by the IQAC every year. The new format is a survey of the quality sustenance effort undertaken by the institution which would reflect the quality management strategies adopted. Broad areas cover all relevant quality enhancement efforts. It is envisaged that the response pattern by the institution would be a self-learning exercise in quality sustenance effort undertaken by the institutions. The survey also intends a quality mapping which would streamline IQAC activities. Based on the quality profile created by the institution, strategies can be adapted to achieve the declared goals and objectives.

INSTRUTIONS

This questionnaire is designed to make a survey of the basic processes related to quality management efforts in your institution. The survey consists of five sections.

1. General Profile
2. IQAC(Internal Quality Assurance Cell) activities
3. Academic and Research Outputs
4. Student Mentoring and Support System
5. Governance and Innovation

The activities of the institution in the above five sections or in other relevant areas are being surveyed to create quality profile for the year in relation to institutional vision and goals. The survey results would enable the institution and IQAC to create a quality index profile, which would be a self- learning exercise. Apart from the responses to the online survey, in case the NAAC requests for any further evidence, the information may be sent by hard copy. This would enable NAAC to make a diagnostic survey of national higher education scenario and the feedback will be provided to each participating institution. No judgment to categorization on institutional quality is intended.

2.**1) Kindly provide the details of the institution**

Name of Institution:	M V G R College of Engineering
Year of establishment of the Institution:	28-08-1997
AddressLine1:	Vijayaram Nagar Campus
AddressLine2:	Chintalavalasa, Denkada
City/Town:	Vizianagaram
State:	Andhra Pradesh
Postal Code:	535 005
Email Address:	principal.mvgr@gmail.com

2) NAAC Accreditation/ Reaccreditation Details

Year of Accreditation/ Reaccreditation:	15-06-2009
Current Grade:	A
CGPA:	3.23

3) Institutional Status

Affiliated College

4) Contact Person Details

Name of Head of Institution:	Dr K V L Raju
Contact Phone:	08922-241039/241199
Email:	principal.mvgr@gmail.com
Website URL:	www.mvgrce.edu.in
Name of IQAC Co-ordinator	Dr. Ch. Purnachandra Rao
Email:	apac.mvgr@gmail.com

3.**SECTION I**

This section is related to institutional goals, vision and mission, academic programmes and activities, strategies and action plans for institution building.

5) Number of academic programmes existing (Enter a number; 0 for nil)

Undergraduate (BA/B.Sc./B.Com etc.)	0
Post Graduate (MA/M.Sc./M.Com etc.)	0
Research Programmes (M.Phil/PhD)	0
Certificate Programmes	0
Professional Programmes (B.Tech/M.Tech/B.Ed/M.Ed/Medicine/Pharmacy/Par amedical/Nursing etc)	B.Tech – 7 M.Tech – 5 MBA – 1 MCA - 1
Other value added programmes	0
Any other programme offered (Specify)	0

6) Details on Programme Development (Enter a number; 0 for nil)

New programmes added during the year	1(M.Tech-CNIS)
New programs designed	NA
Programs under revision	NA
Interdepartmental collaborative programmes	NA
Inter institutional collaborative programmes	NA
Number of review committee recommendations implemented (Total)	08
Number of NAAC peer team recommendations implemented	11
Number of UGC/any other expert committee recommendations implemented	2
Number of review committee recommendation under	1
Number of NAAC peer team recommendations under implementation	10
Number of UGC/ any other expert committee recommendations under implementation	2

7) Faculty Details (Enter a number; 0 for nil)

Total faculty strength required as per norms for all programmes	175
Total faculty on rolls	189
Faculty added during the year	29
Faculty positions vacant	2
Faculty left during the year	13
Total number of visiting faculty	4
Total number of guest faculty	3

8) Qualification of Faculty

PhD and Above	35
M. Phil	18
Masters	150
Any other (Specify)	0

9) Faculty qualification improvement

PhD awarded to existing faculty	8
M.Phil awarded to existing faculty	0
Any other degree awarded to existing faculty	4

10) Administrative Staff Details (Enter a number; 0 for nil)

Administrative staff (total sanctioned)	20
Administrative staff (Actual strength)	23
Added during the year of reporting	3
Left during the year	1
Number of posts vacant	0

11) Technical support Staff Details (Enter a number; 0 for Nil)

Technical Support Staff (Total sanctioned strength)	43
Technical Support Staff (Actual strength)	46
Added during the year	14
Left during the year	3
Number of posts vacant	1

4.**SECTION II**

This section surveys the quality sustenance and development activities during the year taken up by IQAC.

It reflects quality management structure, strategies, and processes which would enhance

academic quality of the institution as perceived by faculty, students, alumni, and other stakeholders (social perception of the institution) in line with the vision, mission and

12) Establishment details

	DD-MM-YYYY
Year of establishment of IQAC	20-08-2009

13) Composition of IQAC (Enter a number; 0 for nil)

Number of IQAC members	20
Number of Alumni in IQAC	1
Number of Students in IQAC	1
Number of Faculty in IQAC	10
Number of Administrative Staff in IQAC	5
Number of Technical Staff in IQAC	0
Number of Management Representatives	01
Number of External experts in IQAC	01
Number of any other stakeholder and community representatives	01

14) IQAC Meetings

Number of IQAC meetings held during the year	2
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15) Whether Calendar of activities of IQAC formulated for the academic year**Yes****16) IQAC Plans for Development (Enter a number; 0 for nil)**

Number of academic programmes proposed	11
Number of value added programmes proposed	9
Number of skill oriented programmes proposed	6
Number of faculty competency and development programmes proposed	13
Number of other staff development programmes proposed	7
Number of student mentoring programmes proposed	11
Number of co-curricular activities proposed	53
Number of inter departmental cooperative schemes	8
Number of community extension programmes proposed	6
Any other programmes proposed (Specify)	0

17) IQAC Plans for development & implementations (Enter a number; 0 for nil)

Number of academic programmes implemented	11
Number of value added programmes implemented	9
Number of skill oriented programmes	6
Number of faculty competency and development programmes implemented	13
Number of other staff development programmes implemented	6
Number of student mentoring programmes implemented	10
Number of co-curricular activities implemented	49
Number of inter departmental cooperative programs implemented	7
Number of community extension programmes implemented	10
Any other programmes suggested that are implemented (Specify)	3

18) IQAC Plans for development & implementations (Enter a number; 0 for nil)

Number of seminars/ conferences/ workshops organized by IQAC within the institution	16
Number of participants from the institution	342
Number of participants from outside	397
Number of external experts invited	22
Number of external conferences/seminars/	35

workshops on institutional quality attended	
Number of events conducted with IQACs of other institutions as collaborative programs	3

19) Did IQAC receive any funding from UGC during the year?

Yes	
No	√

20) If the response to Qn. 19 is Yes, please provide the amount received from UGC - (Input 0 - if NA/NIL-) Any other source including internal financial support from the management (Specify amount)

Amount Received from UGC	0

21) Any significant contribution made by IQAC on quality enhancement during current year (Please provide details in bullet format)

- Academic audit has been done by the in-house experts
- Faculty Development Programmes

5.

SECTION III

In this section the events, activities, and outputs in the field of research and academic

22) Number of academic programmes existing (Enter a number; 0 for nil)

Number of new academic programs developed or designed by faculty	0
Number of faculty members involved in curriculum restructuring/revision/syllabus development	0
Number of programs in which evaluation process reformation taken up and implemented	0
Number of active teaching days during the current academic year	190
Average percentage of attendance of students	86 %
Percentage of classes engaged by guest faculty and temporary teachers	0 %
Number of self-financed programmes offered	14
Number of aided programmes offered	0
Number of programmes discontinued during the year	0

23) Whether any systematic student feedback mechanism is in place? Yes

24) Feedback Details (If answer to Question 23 is Yes)

Percentage of courses where student feedback is taken	100%
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25) Is feedback for improvement provided to the faculty?**Yes****26) Faculty Research, Projects, and Publication details for the year**

Number of major research projects undertaken during the year	1
Number of minor research projects undertaken during the year	0
Number of major ongoing projects	0
Number of minor ongoing projects	0
Number of major projects completed	0
Number of minor projects completed	0
Number of major project proposals submitted for external funding	3
Number of minor project proposals submitted for external funding	0
Number of research publications in peer reviewed journals	35
Number of research publications in international peer	49
Number of research publications in national peer reviewed journals	1
Number of research papers accepted for publication in international peer reviewed journals	0
Number of research papers accepted for publication in national peer reviewed journals	8
Average of impact factor of publications reported	3.20
Number of books published	1
Number of edited books published	0
Number of books (single authored) published	0
Number of books(co-authored) published	1
Numbers of conferences attended by faculty	62
Number of international conferences attended	37
Number of national conferences attended	21
Number of papers presented in conferences	74
Number of papers presented in international conferences	52
Number of papers presented in national conferences	19
Number of conferences organized by the institution	2
Number of faculty acted as experts resource persons	4
Number of faculty acted as experts resource persons - international	0

Number of faculty acted as experts resource persons-	4
Number of collaborations with international institutions	0
Number of collaborations with national institutions	0
Number of linkages created during the year	1
Total budget for research for current year as a percentage of total institution budget	17.57%
Amount of external research funding received in the year	Rs 80,000
Number of patents received in the year	0
Number of patents applied for in the year	0
Number of research awards/ recognitions received by faculty and research fellows of the institute in the year	1
Number of PhDs awarded during the year	5
Percentage of faculty members invited as external experts/resource persons/reviewers/referees or any other significant research activities	8.89%

6.

SECTION IV

This section deals with Student Mentoring and Support System existing in the Institution. This includes student activities, mentoring, and opportunities for development and inclusive practices.

27) Number of academic programmes existing (Enter a number; 0 for nil)

The total intake of students for various courses (Sanctioned)	630
Actual enrollment during the year	629
Student dropout percentage during the year	4.037 %
Success percentage in the final examination across the courses	51.16 %
Number of academic distinctions in the final examination and percentage	48.48 %
Number of students who got admitted to institutions of national importance	9
Number of students admitted to institutions	30
Number of students qualified in UGC NET/ SET	2
Number of students qualified GATE/ CAT/ other examination (Specify)	75

28) Does student support mechanism exist for coaching for competitive examinations? Yes

29) Student participation, if response is yes to Qn. 28

Number of students participated	195
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30) Does student counseling and guidance service exist? Yes	
31) Student participation, if answer to Qn. 30 is yes	
Number of students participated	170

32) Career Guidance	
Number of career guidance programmes organized	4
Percentage of students participated in career guidance programmes	60%

33) Is there provision for campus placement	Yes
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34) If yes to Qn. 33	
Number of students participated in campus selection programmes	391
Number of students selected for placement during the year	280

35) Does gender sensitization program exist?	Yes
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36) If Answer is Yes to Question 35	
Number of programmes organized	3

37) Student activities	
Number of students participated in external cultural	42
Number of prizes won by students in external cultural events	6
Number of cultural events conducted by the institute for the students	12
Number of students participated in international sports and games events	0
Number of students participated in national level sports and games events	0
Number of students participated in state level sports and games events	0
Number of students participated in university level sports and games events	14
Number of prizes won by students in international sports and games events	0
Number of prizes won by students in national level sports and games events	0
Number of prizes won by students in state level sports and games events	0
Number of prizes won by students in university level sports and games events	2

Number of sports and games events conducted by the institute for the students	19
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38) Composition of students	
Percentage of Scheduled Caste	9.37 %
Percentage of Scheduled Tribe	3.12 %
Percentage of other backward communities	49.53 %
Percentage of women students	32 %
Percentage of physically challenged	0.816%
Percentage of rural students	41.220 %
Percentage of urban students	62.68 %

39) Scholarships and Financial Support	
Number of students availing financial support from the institution	549
Amount disbursed as financial support from the institution	Rs.18,00,106
Number of students awarded scholarship from the institution	0
Number of students received notable national/international achievements/recognition	Not available

40) Student initiatives	
Number of community upliftment programmes initiated by students	35
Number of literary programmes initiated by students	15
Number of social action initiatives based on science / environment initiated by students	10
Number of student research initiatives	25

7.	
SECTION V	
This section surveys the Governance and Innovation at the institution related to quality management. The educational management strategies adopted and in practice for achieving the objectives are focused.	
41) Whether perspective plan for overall developmental activities is created?	
Yes	√
No	

42) If the answer for Qn. 41 is yes, is the plan implemented and monitored?	
Yes	√
No	

43) Whether benchmarking is created for institutional quality management efforts?

Yes

√

No

44) If the answer to Question 43 is Yes, please list the benchmarking in various areas of development in bullet format

- Continuous Internal Assessment
- Class room seminar by students
- 100% student feedback
- Internship
- Industrial visits
- Self-appraisal by faculty members
- Continuous assessment by administration
- Regular monitoring of students' attendance
- Academic audit
- Digital library
- Use of ICT (Information and Communication Technology)
- Promotion of co-curricular and extra-curricular activities

45) Is a Management Information System (MIS) in place?

Yes

√

No

46) If answer to question 45 is Yes, please provide details of MIS applied to

1. Administrative procedures including finance
2. Student admission
3. Student records
4. Evaluation and examination procedures
5. Research administration
6. Others

(enter the respective details corresponding to the serial numbers)

purpose	Application
Accounts	TALLY
Pay roll, tax, PF	In-house ERP system
Student admission	In-house ERP system
Student fee	In-house ERP system/eZschool college management version
Evaluation and examination procedures	In-house ERP system
Research administration	In-house ERP system
Library	SOUL
Students feedback	In-house ERP system

47) Existence of learning resource management		
	Yes	No
e- database in library	√	
ICT and smart class room	√	
e- learning sources (e- Books, e- Journals)	√	
Production of teaching modules	√	
Interactive learning facilities	√	

48) Internal resource mobilization : Kindly provide the amount contributed	
Research	Rs.2,67,500
Consultancy and training	Rs.2,02,404
Student contribution	Rs.4,00,154
Alumni contribution	Rs.0
Well-wishers	Rs.1,50,000

49) Infrastructure and welfare spending: Please specify the amount	
Amount spent for infrastructure development	Rs.58,33,945
Amount spent for student welfare	Rs.20,47,150
Amount spent for staff welfare	Rs.28,46,059

50) Is delegation of authority practiced	
Yes	√
No	

51) Does grievance redressal cell exist?		
	Yes	No
Faculty	√	
Students	√	
Staff	√	

52) Grievances received from faculty and resolved (Enter a number; 0 for nil)	
Number of grievances received	3
Number of grievances resolved	2

53) Number of grievances received from students and resolved (Enter a number; 0 for nil)	
Number of grievances received	5
Number of grievances resolved	3

54) Number of grievances received from other staff members and resolved (Enter a number; 0 for nil)	
Number of grievances received	4
Number of grievances resolved	4

55) Has the institution conducted any SWOT analysis during the year	
Yes	√
No	

56) The SWOT analysis was done by internal or by external agency

Internal	√
External	

57) Kindly provide three identified strengths from SWOT Analysis (in bullet format)

- Highly renowned society
- Strong faculty both in terms of numbers, qualifications and competencies
- State of the art infrastructure beyond curriculum that substantially and adequately meet R&D
- Good placements and strong industry relationship
- Core competency and infrastructure in areas of industry ready skills through ADD ON programs in almost all disciplines
- One of the top ranking private Engineering institution among JNTUK
- Dedicated infrastructure discipline wise both in terms of building and lab infrastructure

58) Kindly provide three identified weaknesses from the SWOT analysis (in bullet format)

- Not adequately residential in nature limiting the extent of utilization of resources
- The location of the institute, i.e., the district, does not have industries that can supplement professional learning
- Being located in a district which is backward, the aspiring students usually come with low level of communication skills
- Being an affiliated institution, it has a little or no flexibility in curricular design, instruction and evaluation

59) Kindly provide two opportunities identified from the SWOT analysis (in bullet format)

- Being in proximity to fast growing city, with significant presence of wide cross-section of industry, business organizations, giving scope for potential access to experts in technical and business organizations and also possible exposure to industrial environment
- Increasing levels of competency among its faculty with a strong desire to build and develop research and consultancy through the support of industry and R&D institution
- Its visibility which can tantamount to increased and deeper engagement with renowned technical universities located well in the proximity

60) Kindly provide two identified challenges/threats from SWOT analysis (in bullet format)

1. Deep rooted rote learning practices in the current schooling and plus two level education, affecting the comprehension and learnability of the prospective students
2. Mushrooming of the institution, though supporting increased access to higher education, contributing to deteriorating quality of standards
3. Constantly delayed admission process and increasing presence of private universities, with unlimited admission capacity, capitalizing on the uncertain admission process through government resulting in good students taking earlier admission opportunities and not being available for admission into affiliating institutions

61) Identify any significant progress made by the institution towards achieving the goals and objectives during the year (list below in bullet format)

- New certification modules capacity created for EC-Academia (Ethical Hacking) & CCNA by having faculty trained by industry partners enabling department to train students.
- New floor (2nd floor) space added (built-up area: 1473 square meters)
- Additional built-up area in Girl's hostel

- Hindu e-plus club, programmer's club, photography student clubs created
- R & D push through a centralized mechanism for encouraging research with a Dean heading it.
- Subscription for Online journals such as IEEE, ASCE, SPRINGER, SCIENCE DIRECT, EBSCO, J-Gate, McGraw Hill etc...
- CFD Software (Research and Academic versions) purchased
- New research equipments like CNC Vertical Milling Machine, Exhaust gas analyzer, smoke meter are purchased with help of DST and AICTE funds
- Additional workshop is provided
- Modernizing FM &TE Labs through MODROBS
- PG Program with VLSI Specialization is introduced
- PG Program with Computer Networks and Information Security (CN & IS) Specialization is introduced
- Purchased Mentor Graphics software
- 8 faculty members were awarded Ph.D.
- 2 books were published by the faculty (author & co-author)
- 120 number of conferences/workshops/seminars were attended by the faculty
- 145 number of research papers were presented in national and international conferences by the faculty
- 2 conferences/workshops/seminars were organized by the institution
- Network Analyzer purchased under MODROBS
- Embedded Systems Certification Course

62) How do you perceive the role of NAAC in the quality development of your institution (Suggestions in bullet format to be given below)

- Recommendations of NAAC help us to improve our quality of teaching, learning and Research
- NAAC assessment help us to discover our strengths and weaknesses
- NAAC puts us in right path to move forward to achieve our goals and objective

Dr. Ch. Purnachandra Rao
Coordinator-IQAC

Dr. K. V. L. Raju
Principal

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