# Internal Quality Assurance Cell (IQAC) Velagapudi Ramakrishna Siddhartha Engineering College (Autonomous) Vijayawada-7



# Annual Quality Assurance Report (AQAR) 2014-15 ANNEXURE - 1

Submitted to NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL

An Autonomous Institution of the University Grants Commission P. O. Box. No. 1075, Opp: NLSIU, Nagarbhavi, Bangalore - 560 072 India

Revised Guidelines of IQAC and submission of AQAR

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### The Annual Quality Assurance Report (AQAR - 2014-15) of the IQAC

# Part – A

# 1. Details of the Institution

Velagapudi Ramakrishna Siddhartha 1.1 Name of the Institution **Engineering College** Vasantha Nagar, Kanuru 1.2 Address Line 1 Bandar Road Address Line 2 Vijayawada City/Town Andhra Pradesh State 520007 Pin Code principal@vrsiddhartha.ac.in Institution e-mail address 0866 2582333, 2584930 Contact Nos. Name of the Dr. A. V. Ratna Prasad Head of the Institution: Name of the Director: Dr. K. Mohana Rao 0866 2582333, 2584930 Tel. No. with STD Code: Mobile: +91 - 9441902808

Revised Guidelines of IQAC and submission of AQAR

Name of the IQAC Coordinators:

1. Dr. A. Koteswara Rao 2. Dr. M V S Raju

Mobile:

09494533809

IQAC e-mail address:

iqac@vrsiddhartha.ac.in

1.3 NAAC Track ID (For ex. MHCOGN 18879)

APCOGN15299

EC/65/A&A/28

Oct 25, 2013

1.4 NAAC Executive Committee No. & Date:

(For Example EC/32/A&A/143 dated 3-5-2004. This EC no. is available in the right corner- bottom of your institution's Accreditation Certificate)

1.5 Website address:

www.vrsiddhartha.ac.in

Web-link of the AQAR:

www.vrsiddhartha.ac.in/IQAC/AQAR2014-15.pdf

For ex. http://www.ladykeanecollege.edu.in/AQAR2012-13.doc

1.6 Accreditation Details

Sl. No.	Cycle	Grade	CGPA	Year of Accreditation	Validity Period
1	1 <sup>st</sup> Cycle	А	3.17	2013	5

1.7 Date of Establishment of IQAC: DD/MM/YYYY

06/03/2014

1.8 AQAR for the year (for example 2010-11)

2014-15	

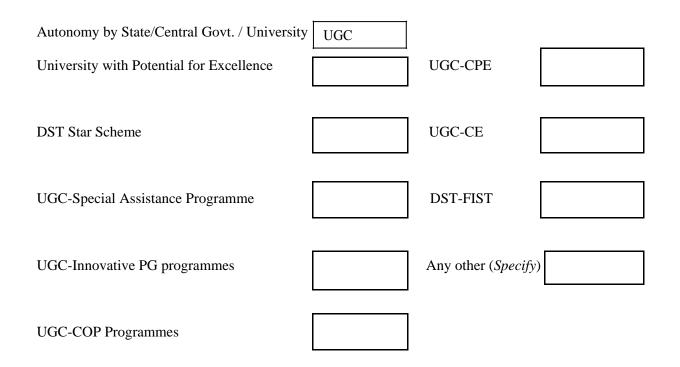
1.9 Details of the previous year's AQAR submitted to NAAC after the latest Assessment and Accreditation by NAAC ((for example AQAR 2010-11submitted to NAAC on 12-10-2011)

AQAR 2013-14

1.10 Institutional Status

<b>T</b> T	
University	State Central Deemed Private
Affiliated College	Yes 🗸 No
Constituent College	Yes No 🗸
Autonomous college of	f UGC Yes 🗸 No
Regulatory Agency app	proved Institution Yes 🖌 No
(Eg. AICTE, BCI, MCI,	, PCI, NCI)
Type of Institution	Co-education        ✓     Men     Women
	Urban Rural 🖌 Tribal
Financial Status	Grant-in-aid UGC 2(f) 🗸 UGC 12B
	Grant-in-aid + Self Financing Totally Self-financing
1.11 Type of Faculty/Prog	ramme
Arts	Science Commerce Law PEI (Phys Edu)
TEI (Edu)	Engineering  Health Science Management
Others (Specify	) PG-MCA
1.12 Name of the Affiliation	ng University (for the Colleges) Jawaharlal Nehru Technological University Kakinada, Kakinada.

### 1.13 Special status conferred by Central/ State Government-- UGC/CSIR/DST/DBT/ICMR etc



2. IQAC Composition and Activities

2.1 No. of Teachers	10
2.2 No. of Administrative/Technical staff	07
2.3 No. of students	01
2.4 No. of Management representatives	02
2.5 No. of Alumni	01
2. 6 No. of any other stakeholder and	01
Community representatives	
2.7 No. of Employers/ Industrialists	01
2.8 No. of other External Experts	01
2.9 Total No. of members	25
2.10 No. of IQAC meetings held	03
2.11 No. of meetings with various stakeholders:	No. 03 Faculty 01
Non-Teaching Staff Students 01	Alumni <b>01</b> Others

2.12 Has IQAC received any funding from UGC during the year? Yes No ✓

2.13 Seminars and Conferences (only quality related)

If yes, mention the amount

(i) No. of Seminars/Conferences/ Workshops/Symposia organized by the IQAC

Total Nos.	3     International     National     3     State     Institution Level
(ii) Themes	Leadership- "A new dimensional for institutional § Administrative Communication Faculty teaching quality assessment and possible interve

### 2.14 Significant Activities and contributions made by IQAC

- Program outcomes attainment of UG program for the academic year 2013-14 was verified and found satisfactory.
- Guidelines for environment audit were prepared for educational institutions. The college was audited and recommendations were made for the disposal of solid waste and liquid waste in the campus. Composting technique is following to convert the campus waste to natural manure.
- Bar-coding in the examinations and evaluations.
- Guidelines for faculty development programs were prepared.
- Student feedback format was modified.
- Swachh Bharat programs in association with NSS and VRSEC walkers club were organized.

#### 2.15 Plan of Action by IQAC/Outcome

The plan of action chalked out by the IQAC in the beginning of the year towards quality enhancement and the outcome achieved by the end of the year

Plan of Action	Achievements
Program outcomes attainment	Program outcomes attainment for 2013-14
Student feedback	was verified and found satisfactory.
Sponsored research Project	New Student feedback format was prepared
FDP	and implemented.
Qualification up-gradation	Env Audit – guidelines were prepared &
Environmental Audit	arrived for solutions for recycling the
Energy audit	campus waste.
Swachh Bharat programs	Guidelines for FDP were prepared
	Environment audit was done
	Energy audit was done for electrical
	department
	Swachh bharat programs have been
	implemented
	Bar-coding was introduced in examinations
	and evaluation

# Part – B

# Criterion – I <u>1. Curricular Aspects</u>

Level of the Programme	Number of existing Programmes	existing program		Number of self-financing programmes	Number of value added / Career Oriented programmes		
PhD	· ·	CSE, E	CE and ME) w	ere recognised as a	research centers		
	this year.						
PG	09			09			
UG	07			07			
PG Diploma		· _ · _ · _ · _ · _ · _ · _ · _ ·					
Advanced Diploma							
Diploma							
Certificate							
Others							
Total	16			16			
Interdisciplinary	01			01			
Innovative							

1.1 Details about Academic Programmes

### 1.2 (i) Flexibility of the Curriculum: CBCS/Core/Elective option / Open options

The curriculum structure is designed in such a way that it facilitates the courses required to attain the expected knowledge, skills and attitude by the time of their graduation as per the needs of the stakeholders. The curriculum structure consists of various course categories to cover the depth and breadth required for the program and for the attainment of program outcomes of the corresponding program, as follows

- **Institutional Core:** Institutional Core courses give the knowledge, skills and attitude expected in UG engineering graduates of all programs.
  - o Basic Sciences and Mathematics
  - o Basic Engineering Sciences
  - Humanities and Social Sciences
- **Program Core:** The Program core consists of set of courses considered necessary for the students of the specific program. The courses under this category should satisfy the program specific criteria prescribed by the appropriate professional societies.
- **Program Electives:** The program electives are set of courses offered in the program which covers depth and breadth to further broaden their knowledge. The students may register for appropriate electives offered in the program based on their area of interest.

- **Independent Learning:** The students are expected to learn the courses offered under this category on their own.
  - o Term Paper
  - o Mini Project and
  - o Major Project
- **Personality Development:** The courses offered under this category are to improve employability skills of the students. One course, spreading across two semesters, carrying one credit, will be offered in 3rd year.
- **Student Practice**: Student Practice Courses are aimed at improving their professional competency. Student will have to participate successfully in the activities listed below. Student can earn one credit by participating in any two events from (a) or any one activity from (b), (c) and (d). Students have to acquire minimum one credit before completion of 6th semester of B. Tech.
  - (a) Co-curricular participation: Student should have participated in Technical Quizzes/Student paper contest/Seminars/Conferences etc., approved by the department.
  - (b) National Service Scheme (NSS): Student should have enrolled as a member of NSS at least for one year.
  - o (c) National Cadet Corps (NCC): Cadet of NCC for a minimum period of one year.
  - o (d) Games and Sports: Participation in the university level and above competitions.

### (ii) Pattern of programmes:

	Pattern	Number of programmes					
	Semester	16					
	Trimester						
	Annual						
1.3 Feedback from stakeholders*	Alumni 🗸 Par	ents 🖌 Employers 🖌 Students 🖌					
(On all aspects)							
Mode of feedback :	Online Mar	nual Co-operating schools (for PEI)					
*Please provide an analysis of the fee	*Please provide an analysis of the feedback in the Annexure						

- 1.4 Whether there is any revision/update of regulation or syllabi, if yes, mention their salient aspects.
  - The major revision of curriculum for all UG programmes was under taken to meet the expected programme outcomes of the UG graduates in 2013-14 academic year. The new curriculum is termed as VR 14. The syllabi of the first four semesters were also modified. Some of the salient features of the proposed curriculum include:
     Institutional Electives
  - Self-Learning Courses
  - Industry offered courses
  - Industry Internships
  - are introduced at various semesters of UG programs
- 1.5 Any new Department/Centre introduced during the year. If yes, give details.

Three Research centres are approved by JNTUK during 2013-2014 academic session in the following departments:

- Computer Science and Engineering
- Electronics and Instrumentation Engineering
- Mechanical Engineering

# **Criterion – II**

## 2. Teaching, Learning and Evaluation

2.1 Total No. of	Total	Asst. Professors	Associate Professors	Professors	Others
permanent faculty	346	282	33	31	

47

2.2 No. of permanent faculty with Ph. D

2.3 No. of Faculty PositionsRecruited (R) and Vacant(V) during the year

Asst. Profess	sors	Associa Professo		Profes	sors	Others		Total	
R	V	R	V	R	V	R	V	R	V
46	33		2	1	1			78	

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2.4 No. of Guest and Visiting faculty and Temporary faculty

2.5 Faculty participation in conferences and symposia:

No. of Faculty	International level	National level	State level
Attended	05	181	118
Presented papers	52	12	
Resource Persons		10	14

- 2.6 Innovative processes adopted by the institution in Teaching and Learning:
  - Massive Open Online Course (MOOCs): adopted in addition to traditional courses.
  - Outcome based education system of NBA was adopted and is being monitored by Programme coordinators, Module coordinators and Course coordinators.
  - MOODLE: Effective implementation of Content Management System (CMS).
  - POGIL: Process Oriented Guided Inquiry Learning is implemented for selective courses in IT dept.
  - NPTEL video lectures are being followed.
- 2.7 Total No. of actual teaching days during this academic year

255

2.8 Examination/ Evaluation Reforms initiated by the Institution (for example: Open Book Examination, Bar Coding, Double Valuation, Photocopy, Online Multiple Choice Questions)

Automatic generation of Hall ticket, student specific OMR sheets, Seating plan, etc for utmost confidentiality and quick processing.

- 2.9 No. of faculty members involved in curriculum Restructuring /revision/syllabus development as member of Board of Study/Faculty/Curriculum Development workshop
- 2.10 Average percentage of attendance of students
- 2.11 Course/Programme wise distribution of pass percentage:

Title of the Programme	Total no. of students	Division						
C C	appeared	Distinction %	I %	II %	III %	Pass %		
B. Tech-CE	201	84	66	15	0	82.09		
B. Tech-CSE	212	96	77	27	0	94.34		
B. Tech-ECE	212	109	69	19	0	92.92		
B. Tech-EEE	137	64	43	14	0	88.32		
B. Tech-EIE	123	45	42	15	1	83.74		
B. Tech-IT	134	47	48	22	1	88.06		
B. Tech-ME	142	60	42	12	0	80.28		
TOTAL(UG)	1161	505	387	124	2	87.68		
MCA	57	34	21			96.49		
MBA	57	27	23	4		94.74		
TOTAL(PG)	176	121	37	2		90.91		

80

2.12 How does IQAC Contribute/Monitor/Evaluate the Teaching & Learning processes:

#### IQAC monitors the

- Program outcomes attainment of UG program for the academic year 2013-14 was verified and found satisfactory.
- Conducts workshops on the teaching-learning process.
- Creates policies and procedures to enhance the teaching and learning
- Collects course files randomly and assess the process followed and the attainment of Course Outcomes.

2.13 Initiatives undertaken towards faculty development

Faculty / Staff Development Programmes	Number of faculty benefitted		
Refresher courses	19		
UGC – Faculty Improvement Programme	82		
HRD programmes			
Orientation programmes	18		
Faculty exchange programme			
Staff training conducted by the university	10		
Staff training conducted by other institutions	43		
Summer / Winter schools, Workshops, etc.	181		
Others	118		

	CE	CSE	ECE	EEE	EIE	IT	ME	MAT	РНҮ	IQAC & MBA	TOTAL
No. of events	04	01	05	01	02	03	01	01	01	01	20
No. of days	05	01	11	02	04	11	01	02	01	01	39

### 2.14 Details of Administrative and Technical staff

Category	Number of Permanent Employees	Number of Vacant Positions	Number of permanent positions filled during the Year	Number of positions filled temporarily
Administrative Staff	45	6	4	17
Technical Staff	70	4	14	

# **Criterion – III**

### 3. Research, Consultancy and Extension

3.1 Initiatives of the IQAC in Sensitizing/Promoting Research Climate in the institution

- Conducts workshops and seminars by eminent people.
- Incentives for research publication.
- Establishing linkages with institution / organizations for training and Research & Development
- Faculty members are encouraged to publish research papers in journals of repute.
- 3.2

Details regarding major projects

	Completed	Ongoing	Sanctioned	Submitted
Number	03	07		03
Outlay in Rs. Lakhs	29	115		69

3.3 Details regarding minor projects

	Completed	Ongoing	Sanctioned	Submitted
Number	10	10	02	
Outlay in Rs. Lakhs	82	56	16	

### 3.4 Details on research publications

	International	National	Others
Peer Review Journals	64	04	
Non-Peer Review Journals	104		
e-Journals	42		
Conference proceedings	52	12	

3.5 Details on Impact factor of publications:

Range	0.5-2	Average	0.7	h-index	02	No's. in SCOPUS	25	
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3.6 Research funds sanctioned and received from various funding agencies, industry and other organizations (Rs in Lakhs)

Nature of the Project	Duration Year	Name of the funding Agency	Total grant Sanctioned	Received
Major projects	3/5 Yr	DST,AICTE		52.7
Minor Projects	3Yr/6Mon	UGC,DRDL,RCI, NABARD,AICTE,DRDO	74.6	66.1
Interdisciplinary Projects				
Industry sponsored				
Projects sponsored by the University/ College				

Students research projects (other than compulsory by the University)									
Any other(Specify)	1	AICTE		5	5				
Total				206.2	123.8				
3.7 No. of books published i) With ISBN No. 01 Chapters in Edited Books 08									
ii) Without ISBN No									
3.8 No. of University Departme	ents receiving	funds from							
UG	UGC-SAP CAS DST-FIST								
DPI	E	]	D	BT Scheme	e/funds				
C C	onomy PIRE	CPE CE		DBT Star Sci ny Other (s					
3.10 Revenue generated through	h consultancy	164 Lakhs							
3.11 No. of conferences	Level	International	Nationa	l State	University	College			
organized by the	Number	NIL	NIL	02	NIL	02			
	Sponsoring agencies	NIL	NIL	TEQIP -II	NIL	IEI			
3.12 No. of faculty served as ex	perts, chairpe	rsons or resource pe	rsons	14					
3.13 No. of collaborations     International     National 18     Any other 02									
3.14 No. of linkages created during this year 03									
3.15 Total budget for research for current year in lakhs:									
From funding agency	From funding agency 69.5 From Management of University/College 4								
Total	73.5			,	L				

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3.16 No. of patents received this year

Type of Patent		Number
National	Applied	07
National	Granted	NIL
International	Applied	NIL
International	Granted	NIL
Commercialised	Applied	NIL
Commercialised	Granted	NIL

3.17 No. of research awards/ recognitions received by faculty and research fellows Of the institute in the year

Total	International	National	State	University	Dist	College

3.18 No. of faculty from the Institution who are Ph. D. Guides and students registered under them

37

20

3.19 No. of Ph.D. awarded by faculty from the Institution

3.20 No. of Research scholars receiving the Fellowships (Newly enrolled + existing ones)

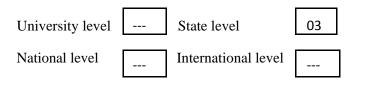
JRF	1	SRF		Project Fellows	1	Any other	
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19

3.21 No. of students Participated in NSS events:

University level	State level 100
National level	International level
3.22 No. of students participated in NCC e	events:
University level	State level 120
National level	International level
3.23 No. of Awards won in NSS:	
University level	State level
National level	International level

3.24 No. of Awards won in NCC:



### 3.25 No. of Extension activities organized

University forum		College forum	02	
NCC	16	NSS	19	Any other

3.26 Major Activities during the year in the sphere of extension activities and Institutional Social Responsibility

- Rice, old cloth and money donated to Hudhud victims of Visakhapatnam.
- Swachh Bharat programs were organized at several places
- Free medical camps for Staff for several times.
- Organised an awareness program on RTI act -2005.
- Conducted seminar on world First Aid day.
- Health walk on World heart day.
- Open day for school children on engineer's day.
- Organised Blood donation camps.

# Criterion – IV 4. Infrastructure and Learning Resources

Facilities	Existing	Newly created	Source of Fund	Total
Campus area	5664		SAGTE	5664
Class rooms	8912.47		SAGTE	8912.47
Laboratories	9609.73		SAGTE	9609.73
Seminar Halls	3182.56		SAGTE	3182.56
Others	1300		SAGTE	1447

4.1 Details of increase in infrastructure facilities :(in Sq-mts)

S. No	Particulars	Available Area(sq.m)
1	Instructional Area (Carpet Area)	24507
2	Administrative area (Carpet Area)	4258
3	Amenities area (Carpet Area)	8395
4	Circulation and other area*	11080
	Total (Carpet Area)	48240
5. Ongo	ing construction 3 <sup>rd</sup> floor on new block	5450
Grand 7	Fotal	53720

(This table gives more details regarding infrastructure facilities)

### 4.2 Computerization of administration and library

- Library and administration are fully computerized (OPAC)
- Libsys and LSM software for library
- Computerization for search, indexing, issue/return records
- Digital Library
- Wi-Fi facility for the Library.

### 4.3 Library services:

	Existing		Newl	y added	Total	
	No.	Value	No.	Value	No.	Value
Text Books(Titles)	61119	1,75,00,000	802	8,56,522	61921	1,83,56,522
Reference Books	3629	16,50,000	150	3,25,000	3779	19,75,000
e-Books	500		150			
Journals	145	2,15,030	15	37,522	160	2,52,552
e-Journals	4 2013-14	11,69,956	4 14-15	12,64,890	4	12,64,890
Digital Database	9	NIL	2	NIL	11	NIL
CD & Video	950	47,500	NIL	NIL	950	47,500
Others (text book volumes)	23	7,00,000	NIL	NIL	23	7,00,000

4.4 Technology up gradation (overall)

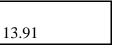
	Total Computers	Computer Labs	Internet	Browsing Centres	Computer Centres	Office	Depart-ments	Other s
Existing	1581	16	20	1	01	14	08	
Added	80	02	20	1				
Total	1661	18	40mb ps	02	01	14	08	

4.5 Computer, Internet access, training to teachers and students and any other programme for technology

Up-gradation (Networking, E-Governance etc.)

Internet details are 40 MBPS / 24 hours / leased line & without any **Deficiency** Total No. of Computers available: **1661**  4.6 Amount spent on maintenance in lakhs (Rs):

i) ICT(Information & Communication Technology)



- ii) Campus Infrastructure and facilities
- iii) Equipments

24.71	

Total:

|--|

# **Criterion – V**

## 5. Student Support and Progression

5.1 Contribution of IQAC in enhancing awareness about Student Support Services

- Various student support services which are identified and listed in the college website.
- Carried out periodic review meetings with students to identify the new student support services in collaboration with Dean Student Affairs by organizing meetings with students, parents and alumni.

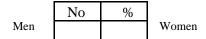
5.2 Efforts made by the institution for tracking the progression

Regular monitoring through continues evaluation -assignments, sessional examinations, home assignments and project reviews.
Tracking the progress from first semester to second semester. Which is the key aspect in maintaining the carrier of a student
Tracking the number of students based on attendance and marks of every semester and carrying out detailed analysis.
Remedial classes after the first semester and subsequent semesters.
Regular meetings with students and monitoring
Faculty involvement through counseling system.
Regular feedback from students.

5.3 (a) Total Number of students

UG	PG	Ph. D.	Others
4972	646	NIL	NIL

- (b) No. of students outside the state
- (c) No. of international students



No	%

NIL

NIL

Last Year					Tł	nis Yea	r				
General	SC	ST	OBC	Physicall y Challeng ed	Total	General	SC	ST	OBC	Physically Challenged	Total
2904	629	177	1615	8	5333	2988	693	189	1728	10	5618

Demand ratio:100% Dropout: 0.7 %

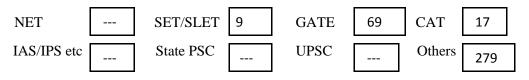
5.4 Details of student support mechanism for coaching for competitive examinations (If any)

- Online MCQ's for the preparation of the GATE, CAT, GRE ... etc.
- Personality development courses and student practice courses are part of the curriculum.
- Special coaching in fundamentals by senior faculty.
- Intensive and periodic coaching in English language and Communication Skills.

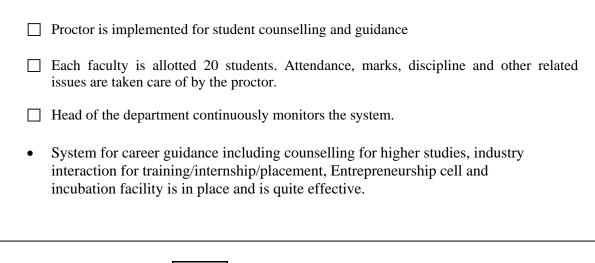
No. of students beneficiaries



5.5 No. of students qualified in these examinations



5.6 Details of student counselling and career guidance



No. of students benefitted



### 5.7 Details of campus placement

	On campus				
Number of Organizations Visited	Number of Students Participated	Number of Students Placed	Number of Students Placed		
68	9770	365	73()		

### 5.8 Details of gender sensitization programmes

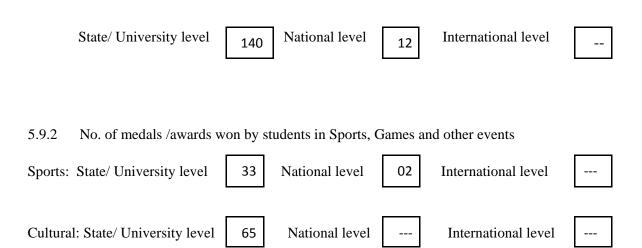
- □ Women's day felicitation for women faculty who achieved high qualification.
- Felicitating faculty who obtain awards, prizes etc..
- Inviting eminent women to motivate the faculty.

### 5.9 Students Activities

5.9.1 No. of students participated in Sports, Games and other events

State/ University level	110	National level	23	International level	

No. of students participated in cultural events



### 5.10 Scholarships and Financial Support

	Number of students	Amount ( in Lakhs)
Financial support from institution	116	17.4
Financial support from government	2838	1245.34
Financial support from other sources	124	11.8
Number of students who received International/ National recognitions		

#### 5.11 Student organised / initiatives

Fairs	: State/ University level	16	National level	1	International level	
Exhibition	n: State/ University level		National level	1	International level	

19

5.12 No. of social initiatives undertaken by the students

5.13 Major grievances of students (if any) redressed: 01

1. Prices in college canteen – the prices were reduced.

# **Criterion – VI**

### 6. Governance, Leadership and Management

6.1 State the Vision and Mission of the institution

### Vision

To nurture excellence in various fields of engineering by imparting timeless core values to the learners and to mould the institution into a center of academic excellence and advanced research.

#### Mission

To impart high Quality technical education in order to mould the learners into globally competitive technocrats who are professionally deft, intellectually adept and socially responsible. The Institution strives to make the learners inculcate and imbibe pragmatic perception and pro-active nature so as to enable them to acquire a vision for exploration and an insight for advanced enquiry.

#### 6.2 Does the Institution has a management Information System

YES, Institute has its own MIS developed by the faculty to manage general administration, autonomous, examination, student attendance and continuous evaluation marks.

6.3 Quality improvement strategies adopted by the institution for each of the following:

6.3.1 Curriculum Development

- Curriculum was revised based on feedback from stackholders and peers.
- Introduced self-learning courses
- Industry internship and industry offered courses.

- Massive Open Online Course (MOOCs): adopted in addition to traditional courses.
- Separate administration setup to plan and monitor teaching and learning based on course outcomes.
- Use of Moodle-Online learning resource.
- Structured course file capturing the performance of the students with respect to course outcomes, course delivery and course assessments.
- POGIL: Process Oriented Guided Inquiry Learning is implemented for selective courses in IT dept

#### 6.3.3 Examination and Evaluation

- Bar-coding.
- Automatic generation of Hall ticket, student specific OMR sheets, Seating plan, etc for utmost confidentiality and quick processing.
- Spot valuation to declare the results of final semester students with in two weeks.

### 6.3.4 Research and Development

- Separate Research cell with Dean R & D is established to give support in terms of guidance in applying funded projects & for all type of research promotions.
  - R&D committee to review, monitor and progress of Research and Development.
- Financial Incentives for research publications in reputed journals.
- Students projects-mini and major projects.
- Conducting workshops by experts from using funding agencies such as DST and DRDO.
- Sponsored projects-obtaining and execute successfully.

6.3.5 Library, ICT and physical infrastructure / instrumentation

- Libsys and LSM software for library management in existence.
- Campus Wi-Fi is operational.
- Construction of guest house is in progress.

#### 6.3.6 Human Resource Management

- Performance based assessment system (PBAS) and career advancement scheme for Professors, Associate professors and Assistant professors is implemented since 2014.
  - Training need assessment is done by each department and implemented.

### 6.3.7 Faculty and Staff recruitment

- Faculty and staff recruitment is done through open advertisement and by a selection board constituting of management members, principal, deans, respective HODs and outside subject expert.
- Special recruitment for candidates from reputed institutions such as IIT, NIT.
- Special preference for candidates with high gate score.
- 1:15 faculty to student ratio and cadre ratio of 1:2:6 are maintained.

#### 6.3.8 Industry Interaction / Collaboration

- Industry Interaction is integrated for all courses
- MOU with local industries to impart knowledge to students Ex: APGENCO, BSNL, KCP, Lanco and ALEAP are in place.
- Guest lectures for faculty and students with industrial experts.

#### 6.3.9 Admission of Students

- Admission of students are made as per norms (Rank obtained in EAMCET Examination conducted by State government)
- Some % of seats is filled under management quota as per the guidelines given by government from time to time.
- 70% of seats based on entrance exam under convener government quota.
- 30% of seats based on merit in +2 entrance exam under management quota

Teaching	Subsidized health care for entire family at the SAGTE Medical College. Faculty welfare fund. Admission to the children of faculty on priority in all 16 institutions run by Siddhartha Academy of General and Technical Education (SAGTE).
Non teaching	Subsidized health care for entire family at SAGTE Medical college. Faculty welfare fund. Admission to the children of faculty on priority in management runs institutions.
Students	Siddhartha Sahaya Scholarships to poor students. Siddhartha Foundation Scholarships to poor students

6.5 Total corpus/general fund generated

31.33 Crores

6.6 Whether annual financial audit has been done

/		
	No	

6.7 Whether Academic and Administrative Audit (AAA) have been done?

Audit Type	External		Internal	
	Yes/No Agency		Yes/No	Authority
Academic	Yes	NBA,ISO	Yes	Principal
Administrative	Yes	NBA,ISO	Yes	Principal

6.8 Does the University/ Autonomous College declare results within 30 days?

 For UG Programmes
 Yes
 No

 For PG Programmes
 Yes
 No

Revised Guidelines of IQAC and submission of AQAR

6.9 What efforts are made by the University/ Autonomous College for Examination

Bar-coding System

Automatic generation of Hall ticket, student specific OMR sheets, Seating plan, etc

for utmost confidentiality and quick processing

6.10 What efforts are made by the University to promote autonomy in the affiliated/constituent colleges?

Not Applicable

6.11 Activities and support from the Alumni Association

- Alumni meet is conducted every year
- Guest Lecture are conducted through alumni
- 50% contribute from Alumni towards Siddhartha Sahaya scholarship.
- Building of alumni database.

6.12 Activities and support from the Parent – Teacher Association

- Annual informal meetings to identify the issues related to students.
- Regular meetings with parents for improving quality of students.
- Identification and remedy of student problems.

6.13 Development programmes for support staff

• Sponsored to attend continuous education programs and to improve qualification. encouragement and leave provision to enhance their qualification

6.14 Initiatives taken by the institution to make the campus eco-friendly

- Environmental audit is done for this year.
- Drip and Sprinkler system is in place.
- Greenery, lawns and plantation is developed and maintained in major places of the campus to make as eco-friendly.

Revised Guidelines of IQAC and submission of AQAR

## **Criterion – VII**

### 7. <u>Innovations and Best Practices</u>

- 7.1 Innovations introduced during this academic year which have created a positive impact on the Functioning of the institution. Give details.
  - Performance Based Assessment System (PBAS) for Professors, Associate Professors and Assistant Professors. It resulted growth in research in terms of award of PhDs, Research publications and sponsored research projects and quality improvement in teaching & learning process.
  - Imparted training by industry to faculty, staff and students, to cater the present needs of industries.
  - Implementation Bar coding practice in examination system improved the confidentiality and reduced the workload.
  - Establishing two centers of excellence.
- 7.2 Provide the Action Taken Report (ATR) based on the plan of action decided upon at the Beginning of the year

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•	Implementation of bar-coding
•	Training students for placements.
•	Automation in the examination process
•	Environmental audit for campus
•	Program outcomes attainment of UG programs in the academic year 2013-14
•	Student feedback performa was modified
•	Energy audit.
•	Canteen expansion.
•	Guest house.
•	Equipment purchase.
•	Faculty recruitment.
•	Licensed software for various departments.

7.3 Give two Best Practices of the institution (please see the format in the NAAC Self-study Manuals)

- Implementation of Bar-coding in Examination and Evaluation System
- Performance Based Assessment System (PBAS) in the area of Teaching Learning, co-curricular, extra-curricular, R & D and administration .

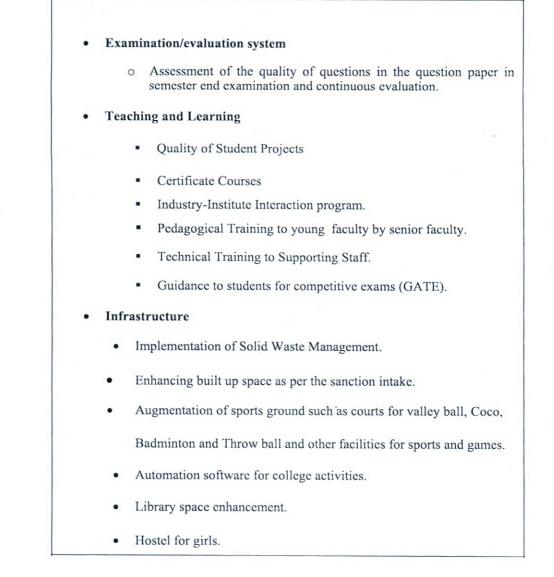
7.4 Contribution to environmental awareness / protection

•	NSS activities to support environmental awareness
•	Environmental awareness workshops.
•	Plantation.
•	Swachh Bharat is implemented

7.5 Whether environmental audit was conducted? Yes ✓ No

7.6 Any other relevant information the institution wishes to add. (for example SWOT Analysis)

SWOT analysis is carried out



Name	Name
Signature of the Coordinator, IQACOOD CIVIL Enginese CIVIL Enginese R. Siddhartha Enginese Signature of the Coordinator, IQACOOD	sor artment signature of NG-Chain Coles artment Signature of NG-Chain Coles Signature of NG-Chain Coles V.R. Siddarma Environ O'C 5007, IQAC V.R. Siddarma ONONO 520 007, IQAC ***

### Abbreviations:

CAS	-	Career Advanced Scheme
CAT	-	Common Admission Test
CBCS	-	Choice Based Credit System
CE	-	Centre for Excellence
СОР	-	Career Oriented Programme
CPE	-	College with Potential for Excellence
DPE	-	Department with Potential for Excellence
GATE	-	Graduate Aptitude Test
NET	-	National Eligibility Test
PEI	-	Physical Education Institution
SAP	-	Special Assistance Programme
SF	-	Self Financing
SLET	-	State Level Eligibility Test
TEI	-	Teacher Education Institution
UPE	-	University with Potential Excellence
UPSC	-	Union Public Service Commission

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