

**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

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

Part – A

1. Details of the Institution

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

Name of the IQAC Coordinators:

Mobile:

IQAC e-mail address:

1.3 NAAC Track ID (For ex. MHC0GN 18879)

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:

Web-link of the AQAR:

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 st Cycle	A	3.17	2013	5

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

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

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

AQAR 2013-14

1.10 Institutional Status

University State Central Deemed Private

Affiliated College Yes No

Constituent College Yes No

Autonomous college of UGC Yes No

Regulatory Agency approved 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/Programme

Arts Science Commerce Law PEI (Phys Edu)

TEI (Edu) Engineering Health Science Management

Others (Specify)

. PG-MCA

1.12 Name of the Affiliating 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

Autonomy by State/Central Govt. / University	<input type="text" value="UGC"/>		
University with Potential for Excellence	<input type="text"/>	UGC-CPE	<input type="text"/>
DST Star Scheme	<input type="text"/>	UGC-CE	<input type="text"/>
UGC-Special Assistance Programme	<input type="text"/>	DST-FIST	<input type="text"/>
UGC-Innovative PG programmes	<input type="text"/>	Any other (<i>Specify</i>)	<input type="text"/>
UGC-COP Programmes	<input type="text"/>		

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 Community representatives	01
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	01	Students	
	Alumni	01	Others	

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

If yes, mention the amount

2.13 Seminars and Conferences (only quality related)

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

Total Nos.	3	International	<input type="checkbox"/>	National	3	State	<input type="checkbox"/>	Institution Level	<input type="checkbox"/>
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(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 Student feedback Sponsored research Project FDP Qualification up-gradation Environmental Audit Energy audit Swachh Bharat programs	Program outcomes attainment for 2013-14 was verified and found satisfactory. New Student feedback format was prepared and implemented. Env Audit – guidelines were prepared & arrived for solutions for recycling the campus waste. 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

1. Curricular Aspects

1.1 Details about Academic Programmes

Level of the Programme	Number of existing Programmes	Number of programmes added during the year	Number of self-financing programmes	Number of value added / Career Oriented programmes
PhD	3 departments (CSE, ECE and ME) were recognised as research centers this year.			
PG	09		09	
UG	07		07	
PG Diploma	----			
Advanced Diploma	----			
Diploma	----			
Certificate	----			
Others	----			
Total	16		16	
Interdisciplinary	01		01	
Innovative	----			

1.2 (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.
 - Basic Sciences and Mathematics
 - 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.
 - Term Paper
 - Mini Project and
 - 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.
 - (c) National Cadet Corps (NCC): Cadet of NCC for a minimum period of one year.
 - (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*
(On all aspects)

Alumni Parents Employers Students

Mode of feedback : Online Manual Co-operating schools (for PEI)

**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 undertaken 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 Internshipsare 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 permanent faculty

Total	Asst. Professors	Associate Professors	Professors	Others
346	282	33	31	-----

2.2 No. of permanent faculty with Ph. D

47

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

Asst. Professors		Associate Professors		Professors		Others		Total	
R	V	R	V	R	V	R	V	R	V
46	33		2	1	1			78	

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

346

Restructuring /revision/syllabus development

as member of Board of Study/Faculty/Curriculum Development workshop

2.10 Average percentage of attendance of students

80

2.11 Course/Programme wise distribution of pass percentage:

Title of the Programme	Total no. of students appeared	Division				
		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

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

<i>Faculty / Staff Development Programmes</i>	<i>Number of faculty benefitted</i>
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

Faculty development programmes conducted -Department wise using TEQIP S.C 2.1

	CE	CSE	ECE	EEE	EIE	IT	ME	MAT	PHY	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 Average h-index No's. in SCOPUS

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	126.6	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. Chapters in Edited Books

ii) Without ISBN No.

3.8 No. of University Departments receiving funds from

UGC-SAP CAS DST-FIST
DPE DBT Scheme/funds

3.9 For colleges Autonomy CPE DBT Star Scheme
INSPIRE CE Any Other (specify)

3.10 Revenue generated through consultancy

3.11 No. of conferences organized by the institution	Level	International	National	State	University	College
	Number	NIL	NIL	02	NIL	02
	Sponsoring agencies	NIL	NIL	TEQIP -II	NIL	IEI

3.12 No. of faculty served as experts, chairpersons or resource persons

3.13 No. of collaborations International National Any other

3.14 No. of linkages created during this year

3.15 Total budget for research for current year in lakhs:

From funding agency From Management of University/College
Total

3.16 No. of patents received this year

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

20

37

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

19

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

JRF SRF Project Fellows Any other

3.21 No. of students Participated in NSS events:

University level State level
National level International level

3.22 No. of students participated in NCC events:

University level State level
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:

University level	<input type="text" value="---"/>	State level	<input type="text" value="03"/>
National level	<input type="text" value="---"/>	International level	<input type="text" value="---"/>

3.25 No. of Extension activities organized

University forum	<input type="text"/>	College forum	<input type="text" value="02"/>	
NCC	<input type="text" value="16"/>	NSS	<input type="text" value="19"/>	Any other <input type="text"/>

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

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

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

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.	Ongoing construction 3 rd floor on new block	5450
Grand Total		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		Newly 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)	13.91
ii) Campus Infrastructure and facilities	136.49
iii) Equipments	
iv) Others	24.71
Total:	175.11

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.
- Bridge course for lateral entry students in mathematics and other subjects where ever required

5.3 (a) Total Number of students

UG	PG	Ph. D.	Others
4972	646	NIL	NIL

(b) No. of students outside the state

NIL

(c) No. of international students

NIL

Men	No	%	Women	No	%

Last Year						This Year					
General	SC	ST	OBC	Physically Challenged	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

374

5.5 No. of students qualified in these examinations

NET	---	SET/SLET	9	GATE	69	CAT	17
IAS/IPS etc	---	State PSC	---	UPSC	---	Others	279

5.6 Details of student counselling and career guidance

<input type="checkbox"/> Proctor is implemented for student counselling and guidance
<input type="checkbox"/> Each faculty is allotted 20 students. Attendance, marks, discipline and other related issues are taken care of by the proctor.
<input type="checkbox"/> Head of the department continuously monitors the system.
<ul style="list-style-type: none">• System for career guidance including counselling for higher studies, industry interaction for training/internship/placement, Entrepreneurship cell and incubation facility is in place and is quite effective.

No. of students benefitted

1521

5.7 Details of campus placement

<i>On campus</i>			<i>Off Campus</i>
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

<input type="checkbox"/> Women's day felicitation for women faculty who achieved high qualification.
<input type="checkbox"/> Felicitating faculty who obtain awards, prizes etc..
<input type="checkbox"/> 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

State/ University level National level International level

5.9.2 No. of medals /awards won by students in Sports, Games and other events

Sports: State/ University level National level International level

Cultural: State/ University level National level International level

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 National level International level

Exhibition: State/ University level National level International level

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 stakeholders and peers.
- Introduced self-learning courses
- Industry internship and industry offered courses.

6.3.2 Teaching and Learning

- 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

6.4 Welfare schemes for

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

6.6 Whether annual financial audit has been done

Yes 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

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.

Criterion – VII

7. Innovations and Best Practices

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

- 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

Plans of institution for next year

- **Examination/evaluation system**
 - Assessment of the quality of questions in the question paper in semester end examination and continuous evaluation.
- **Teaching and Learning**
 - Quality of Student Projects
 - Certificate Courses
 - Industry-Institute Interaction program.
 - Pedagogical Training to young faculty by senior faculty.
 - Technical Training to Supporting Staff.
 - Guidance to students for competitive exams (GATE).
- **Infrastructure**
 - Implementation of Solid Waste Management.
 - Enhancing built up space as per the sanction intake.
 - Augmentation of sports ground such as courts for valley ball, Coco, Badminton and Throw ball and other facilities for sports and games.
 - Automation software for college activities.
 - Library space enhancement.
 - Hostel for girls.

Name _____

Name _____

Signature of the Coordinator, IQAC

(MVR)
(D.M.V.S. Raju)
 Professor
 Civil Engineering Department
 V.R. Siddhartha Engineering College
 VIJAYAWADA - 520 007

Signature of the Principal, IQAC

(JRP)
 PRINCIPAL
 V.R. Siddhartha Engineering College
 AUTONOMOUS
 VIJAYAWADA - 520 007

Abbreviations:

CAS	-	Career Advanced Scheme
CAT	-	Common Admission Test
CBCS	-	Choice Based Credit System
CE	-	Centre for Excellence
COP	-	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
