

SRI SIVANI COLLEGE OF ENGINEERING

Annual Quality Assurance Report
(AQAR-2017-18)



Submitted to



राष्ट्रीय मूल्यांकन एवं प्रत्यायन परिषद्

विश्वविद्यालय अनुदान आयोग का स्वायत्त संस्थान

NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL

Bangalore - 560 072 India

Sri Sivani College of Engineering

The Annual Quality Assurance Report (AQAR)

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The Annual Quality Assurance Report (AQAR) of the IQAC**Part – A****I. Details of the Institution**

1.1 Name of the Institution

Sri Sivani College of Engineering

1.2 Address Line 1

Chilakapalem Junction, Etcherla

City/Town

Srikakulam

State

Andhra Pradesh

Pin Code

532410

Institution e-mail address

principal_w6@yahoo.co.in

Contact Nos.

+91-7382651411

Name of the Head of the Institution:

Dr. B. Murali Krishna

Tel. No. with STD Code:

+91-9494055277

Mobile:

+91-9493290527

Name of the IQAC Co-ordinator:

Dr. G. T. Chandra Sekhar

Mobile:

+91-9440376522

IQAC e-mail address:

iqacssce@gmail.com

1.3 NAAC Track ID (For ex. MHCOGN 18879)

NAAC/WH/Cert-A&A/EC(3rd SC)/35/2014

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)***66th meeting; 21st February 2014**

1.5 Website address:

www.srisivani.com

Web-link of the AQAR:

www.srisivani.com/IQAC

1.6 Accreditation Details

Sl. No.	Cycle	Grade	CGPA	Year of Accreditation	Validity Period
1	1st Cycle	B	2.17	2014	5

1.7 Date of Establishment of IQAC :

DD/MM/YYYY

05-06-2013

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

2017-18

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):

Prepared

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)

1.12 Name of the Affiliating University (for the Colleges)

**Jawaharlal Nehru Technological
University Kakinada (JNTUK),
Kakinada**

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

Autonomy by State/Central Govt. / University

University with Potential for Excellence	--	UGC-CPE	--
DST Star Scheme	--	UGC-CE	--
UGC-Special Assistance Programme	--	DST-FIST	--
UGC-Innovative PG programmes	--	Any other (<i>Specify</i>)	--
UGC-COP Programmes	--		

2. IQAC Composition and Activities

2.1 No. of Teachers	10
2.2 No. of Administrative/Technical staff	1
2.3 No. of students	2
2.4 No. of Management representatives	1
2.5 No. of Alumni	1
2.6 No. of any other stakeholder and Community representatives	1
2.7 No. of Employers/ Industrialists	1
2.8 No. of other External Experts	1
2.9 Total No. of members	18
2.10 No. of IQAC meetings held	4
2.11 No. of meetings with various stakeholders:	
No.	3
Faculty	2
Non-Teaching Staff	2
Students	2
Alumni	1
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. International National State Institution Level

(ii) Themes

- Outcome based Education
- Quality Education for Teaching & Research

2.14 Significant Activities and contributions made by IQAC

- Regular Interaction with class representatives and class coordinators of each and every department for Maintaining and sustaining quality education as directed by IQAC.
- IQAC is constantly evaluating teaching learning process through feedbacks
- Carried out feedbacks Analysis and Recommendations from stake holders
- Surprise Class visits and Lab Visits for corrective actions
- Student online feedback system is followed twice per semester to obtain opinion from them about the effectiveness of the faculty and the facilities in the college
- Performance appraisal of teachers is an important activity and IQAC shall be the nodal for the same
- Course Materials standardization
- Course Assessment Reports
- Career Guidance and Placement Cell strengthening
- Organizing of workshops, seminars on quality related themes
- Development programmes for Faculty and Students
- Internal & External IQAC Academic Audit
- Preparation of documents related to academics and administration
- Induction training for Faculty
- Monitoring the conduct of classes
- Conducting core competitive classes such as GATE,

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/Outcomes
Promotion of quality research culture	No of Quality papers have been improved
Workshops and orientation programs on innovative teaching learning process	8 number of programs were conducted and faculty are practicing these in their classrooms
Training in pedagogy for faculty to improve Teaching Learning of all courses and there by students' learning abilities	FDP's on pedagogy were conducted and there was considerable improvement in Quality of Teaching and Learning

* Attach the Academic Calendar of the year as Annexure.

2.16 Whether the AQAR was placed in statutory body Yes No

Management

Syndicate

Any other body

College Academic meeting

Provide the details of the action taken

AQAR was placed in the meetings of Governing Body. While appreciating the efforts of IQAC, honourable members of bodies have suggested certain areas to undertake for next academic year.

Part – B**Criterion – I****I. 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	--	--		--
PG	7 (1 MBA, 1 MCA & 5 M.Tech)	NIL	7 (1 MBA, 1 MCA & 5 M.Tech)	--
UG	5	NIL	5	--
PG Diploma	--	--	--	--
Advanced Diploma	--	--	--	--
Diploma	3	--	3	--
Certificate	--	--	--	--
Others	--	--	--	--
Total	15	Nil	15	--

Interdisciplinary	--	--	--	--
Innovative	--	--	--	--

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

(ii) Pattern of programmes:

Pattern	Number of programmes
Semester	5 (UG), 7 (PG), 3 (Diploma)
Trimester	0
Annual	0

1.3 Feedback from stakeholders* Alumni Parents Employers Students
(On all aspects)

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.

No

1.5 Any new Department/Centre introduced during the year. If yes, give details.

No

Criterion – II**2. Teaching, Learning and Evaluation**

2.1 Total No. of permanent faculty

Total	Asst. Professors	Associate Professors	Professors	Others
154	107	33	14	--

2.2 No. of permanent faculty with Ph.D.

18

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
6	--	--	--	--	--	--	--	1	--

2.4 No. of Guest and Visiting faculty and Temporary faculty

5

12

2.5 Faculty participation in conferences and symposia:

No. of Faculty	International level	National level	State level
Attended	57	02	00
Presented papers	25	02	00
Resource Persons	04	02	00

2.6 Innovative processes adopted by the institution in Teaching and Learning:

- Innovative teaching approaches have been introduced by amalgamating theoretical knowledge with practical approaches.
- Knowledge is imparted to students by introducing 25% ICT in teaching learning process
- Establishing the Lesson plan for every subject well before the commencement of each semester along
- with the course hand outs which are made available to all students on the start of the academic year
- power point/PDF presentation are shared with students
- Teaching faculty and students are encouraged to use latest technology such as LCD, internet, NPTEL
- videos etc., in the teaching learning process
- Innovative teaching methods such as activity based leaning, problem based learning, project based learning, role play, puzzles etc are practiced in classrooms regularly
- Inspiring & creating interest towards learning the subjects
- Training diversified students to achieve academic excellence through remedial classes
- Importance given on Remedial Classes for slow learners

2.7 Total No. of actual teaching days during this academic year

32 weeks

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

As per JNTUK Regulations

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

82%

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	368	10.76	15.50	3.47	0.14	45.53
M.Tech	37	14.86	6.25	0	0	31.53
MBA	39	2.075	71.89	1.38	0	75.35

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

- IQAC assists the college in preparing Academic Plan every year
- It approves Academic calendar each year and issues to all the faculty and students
- Faculty Development Programmes and orientation programmes are arranged for enhancing professional competency and teaching skills of the faculty.
- It ensures that the Departments provide course outline and course schedule to the students prior to the commencement of the academic session.
- The college adopts mentor/ mentee system to look after the learning capabilities of students individually.
- Feedback system is adopted to evaluate the teacher performance by students
- Student's performance is evaluated by mid exams and End semester Examinations.
- Student's Grievance if any is fully addressed by means of well established mechanism.
- Departmental IQAC members look into academic, teaching, research, placement, student support etc.

2.13 Initiatives undertaken towards faculty development

<i>Faculty / Staff Development Programmes</i>	<i>Number of faculty benefitted</i>
Refresher courses	00
UGC – Faculty Improvement Programme	00
HRD programmes	05
Orientation programmes	154
Faculty exchange programme	00
Staff training conducted by the university	07
Staff training conducted by other institutions	07
Summer / Winter schools, Workshops, etc.	44
Others	--

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	09	-	-	--
Technical Staff	34	-	-	--

Criterion – III**3. Research, Consultancy and Extension**

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

IQAC has conducted meetings with all staff and research scholars in particular to motivate them to carry out

1. Innovative research in latest and advanced areas of respective branches.
2. As group of colleges have pharmacy and engineering colleges in the same location, students are encouraged to carryout research in Multidisciplinary areas.
3. Staff is motivated to register for their research programs.

As the result, the college could produce good amount of output in terms of

4. Involvement of students in research projects.
5. Raise in number of staff who registered for their Ph.D programs.
6. Raise in number of publications in International and National Journals.

3.2 Details regarding major projects

	Completed	Ongoing	Sanctioned	Submitted
Number	NIL	NIL	NIL	3
Outlay in Rs. Lakhs	NIL	NIL	NIL	46.35

3.3 Details regarding minor projects

	Completed	Ongoing	Sanctioned	Submitted
Number	NIL	NIL	NIL	NIL
Outlay in Rs. Lakhs	NIL	NIL	NIL	NIL

3.4 Details on research publications

	International	National	Others
Peer Review Journals	9	--	--
Non-Peer Review Journals	11	2	--
e-Journals	--	1	--
Conference proceedings	17	04	--

3.5 Details on Impact factor of publications:

Range Average h-index Nos. in SCOPUS

3.6 Research funds sanctioned and received from various funding agencies, industry and other organisations

Nature of the Project	Duration Year	Name of the funding Agency	Total grant sanctioned	Received
Major projects	-	-	-	-
Minor Projects	-	-	-	-
Interdisciplinary Projects	-	-	-	-
Industry sponsored	-	-	-	-
Projects sponsored by the University/ College	6 Months	Sri Sivani Educational Society	1.5 Lakhs	1.5 Lakhs
Students research projects (other than compulsory by the University)	-	-	-	-
Any other(Specify)	-	--	-	-
Total	-	-	-	-

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	01	--	--	--	--
Sponsoring agencies	Sri Sivani Educational Society	--	--	--	--

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

4

3.13 No. of collaborations

International --

National 08

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

NIL

From Management of University/College

10.55 Lakhs

Total

10.55 Lakhs

3.16 No. of patents received this year

Type of Patent		Number
National	Applied	NIL
	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
NIL	05	NIL	NIL	NIL	NIL	01

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

1

1

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

1

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 State level
 National level International level

3.25 No. of Extension activities organized

University forum College forum
 NCC NSS Any other

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

- Women's Day
- Best Class room Practices
- Open Talk on Gender Issues
- presentations on Criminal laws (Nirbaya laws)
- Awareness about Digital (Cashless) transactions
- Accident preventive steps
- Importance of Plantation
- Gender Equity Programme and Summer Internship
- Voter Enrolment day
- Mathematics Day
- Engineers Day
- Yoga Day
- National Sports Day

Criterion – IV**4. Infrastructure and Learning Resources**

4.1 Details of increase in infrastructure facilities:

Facilities	Existing	Newly created	Source of Fund	Total
Campus area	11.1 acres	--	Sri Sivani Educational Society	--
Class rooms	57	--	Sri Sivani Educational Society	--
Laboratories	44	--	Sri Sivani Educational Society	--
Seminar Halls	2	--	Sri Sivani Educational Society	--
No. of important equipments purchased (\geq 1-0 lakh) during the current year.	--	35+30	Sri Sivani Educational Society	--
Value of the equipment purchased during the year (Rs. in Lakhs)	---	14.08 Lakhs	Sri Sivani Educational Society	--
Others (Life skill & ICT)	5	5	Sri Sivani Educational Society	--

4.2 Computerization of administration and library

12 computer systems are having with the standard configuration and networking with LAN and Internet connection for smooth flow of Office admin work. Library consist of 20 systems with high configuration and digitalized resource material with NPTEL.

4.3 Library services:

	Existing		Newly added		Total	
	No.	Value(Rs)	No.	Value(Rs)	No.	Value(Rs)
Text Books	25394	57,92,365	3370	14,74,126	28,764	72,66,491
Reference Books	4117	16,46,800	559	2,23,600	4,676	18,70,400
e-Books	489	---	1346	---	1835	
Journals	162	9,04,419	72	1,80,273	234	10,84,692

e-Journals	12801	29,14,255	1185	32,870	13,986	29,47,125
Digital Database	---	---	---	---	---	---
CD & Video	1112 & 193	---	1112 & 215	---	1112 & 408	---
Others (audio)	---	---	---	---	---	---

4.4 Technology up gradation (overall)

	Total Computers	Computer Labs	Internet	Browsing Centres	Computer Centres	Office	Departments	Others
Existing	455	11	Bsnl – 40 mbps	-	1	32	30	--
Added	186	1	Jee communications -40 mbps BSNL-40 mbps AP fiber -100 mbps	-	0	04	32	--
Total	641	12	BSNL-40 mbps AP fiber -100 mbps	-	1	36	62	--

4.5 Computer, Internet access, training to teachers and students and any other programme for technology upgradation (Networking, e-Governance etc.)

1. Computer and internet facility round the clock
2. Internet access in boys and Girls hostel after 5:00pm
3. Wi-Fi Enabled Campus
4. Faculty Development Programmes and workshops in emerging areas for faculty and students.

4.6 Amount spent on maintenance in lakhs :

i) ICT

Rs. 1,69,500

ii) Campus Infrastructure and facilities

Rs. 8,17,980

iii) Equipments

Rs. 5,45,410

iv) Others

Maintenance & Support facilities- Rs. 7,31,925

Criterion – V

5. Student Support and Progression

5.1 Contribution of IQAC in enhancing awareness about Student Support Services

- Student feedback system is followed to obtain opinion from them about the effectiveness of the faculty and the facilities in the college
- Women Development Cell empowers the girl students and female faculty members
- Student support services like multi-disciplinary forums, association with professional bodies, alumni interactions, student forums / clubs.
- Internet facility with Wi-Fi connectivity is made available throughout the campus to support the students in enhancing their knowledge with easy digital access.
- Induction day for the fresher's, where in all the coordinators & convenors of the different committees briefed the students about curricular & extracurricular activities
- Subject wise special coaching classes for slow learners are conducted
- Entrepreneurship Development Cell organizes periodical meetings with industrialists, entrepreneurs and chief executives of various concerns to enhance the entrepreneurship skills among the students .
- Principal along with the committee members visits regularly to the Boy's and girl's Hostel to monitor the facilities and inspects the hostel surroundings.
- Through student Chapters and Clubs, students are encouraged to participate in co curricular and extracurricular activities.
- Orientation Program is arranged for newly joined students to spread awareness about academic regulations.
- Placement & Training Cell organizes various training programmes to mould the students with core competency and employability.
- Library is equipped with various books, references, journals and e-journals to supplement the thrust of students and to enrich their self-learning ability.
- Medical insurance for accidental and risk coverage is offered to all the students

14. Anti-Ragging awareness created among the students.

4.2 Efforts made by the institution for tracking the progression

1. Parent-Teacher Meetings are arranged periodically to track and know their wards progress. If any student is found to be performing low, such students are asked to register for Remedial Classes.
2. Student who enters the college in I B.Tech will be provided with a Mentor and who maintains a Student Progression/ status book/Mentor Dairy where all details of student like back ground of the student, details of parents, his past progress reports, strengths and weaknesses are recorded and regular counselling sessions are conducted to understand students educational and personal status so as to know any difficulty being faced by him in either college or hostel to give proper solution to come out. The mentor regularly (semester wise) records all data of the student in the mentor dairy.
3. Result Analysis
4. Various committees to support the students such as Student welfare,
5. Placement, Higher studies and Entrepreneurship reports
6. Learning outcomes reports, Success rates, Awards, Competitions, co and extra- curricular activities, sports achievements etc.,

5.3 (a) Total Number of students

UG	PG	Ph. D.	Others
1372	123	NA	--

(b) No. of students outside the state

-

(c) No. of international students

--

	No	%		No	%
Men	1036	66.69	Women	459	33.30

2017-2018					
General	SC	ST	OBC	Physical ly Challenged	Total
172	58	6	1259	00	1495

Dropout % : 1%

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

Pre Placement Training

Training in written test, group discussion and preparation of resumes to increase the chances of recruitment of the students, debating club organize Debate & Elocution competition in order to develop communication skills and personality development.

CRT Training

Training in written test, group discussion and preparation of resumes to increase the chances of recruitment of the students.

Training & Placement Cell

Dr. G. Rajendra Kumar is TPO with a team of faculty members. UG and PG students are divided into groups and CRT classes are arranged in the beginning of the semester. They are trained by experts in area of aptitude skills, communication skills, interview techniques and resume writing to enable them to take part in on-campus and off campus drives and to clear competitive examinations.

Soft Skill Development

SSCE encourage students to develop their soft skills. Soft skill course includes training in leadership qualities, time management, conflict resolution, goal setting, team building and interpersonal skill etc.

- **Life Skills Development**

Sri Sivani College of Engineering encourage students to develop their soft skill through Lifes kills course. Life skills course includes training in leadership qualities, time management, conflict resolution, goal setting, team building and interpersonal skill etc.

- **Communication Skill Development**

The College offers English language through communicative skills as the regular curriculum as ELCS (English Language through Communication Skills) lab and it is offered by the Department of English to cater to the need of the student for language development skills.

- **Other Enhancing Activities:**

Industrial visits Students acquire practical knowledge of the subject by **Industrial visits or industrial tour which** helps the students to update their knowledge on current affairs

5.5 No. of students qualified in these examinations

NET	<input type="text" value="--"/>	SET/SLET	<input type="text" value="--"/>	GATE	<input type="text" value="--"/>	CAT	<input type="text" value="--"/>
IAS/IPS etc	<input type="text" value="--"/>	State PSC	<input type="text" value="--"/>	UPSC	<input type="text" value="--"/>	Others	<input type="text" value="5"/>

5.6 Details of student counselling and career guidance

Academic Counselling:

The academic performance of each student is monitored by the class in charge who imparts personal and academic guidance. Academic guidance is given to the slow learners by the subject teachers and Heads of the Department. Their academic performance as well as attendance & behavior related issues (if any) are discussed with the parents in the meeting. For the absentees, SMS has been sent to their parent as a daily basis.

Counselling:

Beside the subject teacher, each class has a class in charge to whom the student can approach for academic and personal help. Class in charge gets to know the details regarding student attitude & personality, attendance, performance record and other requirement towards the fulfillment of course work. If necessary parents' meetings are organized to update the progress of their ward.

Psychological counselling:

Classes are also being arranged by Psychologist

No. of students benefitted

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
26	209	18	100

5.8 Details of gender sensitization programmes

- Organized one day workshop on Gender Equity has been organised.
- 8 faculty coordinated the activity.
- 150 students were participated.

5.9 Students Activities

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

State/ University level National level 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(Rs)
Financial support from institution	----	---
Financial support from government	1118	4,51,32,138
Financial support from other sources	--	--
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: NIL

Criterion – VI

6. Governance, Leadership and Management

6.1 State the Vision and Mission of the institution

Vision

To be an institute of eminence, to produce highly skilled, globally competent technocrats.

Mission

- Providing high quality, real world, industry relevant, career oriented, professional education to rural students towards their excellence and growth.
- Serving as a center of technical excellence, creating globally competent, human resources with ethical and moral values.

6.2 Does the Institution has a management Information System

Yes, the Institution has a management Information System.

- Management is taking inputs from external and internal sources through virtual hierarchy by using systems approach, Bio-Metric, CCTV Footage, encouraging the employees to communicate to the top level through email, tele call, messaging service, etc. and having monthly meetings with Principal to know the day to day progress of the institutions and any hurdles facing by the department / college etc.
- Drop Box facility are placed in each and every department to encourage the student/ faculty to share their feedback/ suggestions for quality improvement in teaching learning process.
- E-cap facility for monitoring academic, fees and results information.

The following modules are used and all the activities are automated.

- Academics
- Examinations
- Finance and Accounts
- Human Resources
- Administration
- E-Learning
- Training & Placement

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

6.3.1 Curriculum Development

Sri Sivani College is affiliated to Jawaharlal Nehru Technological University Kakinada, Andhra Pradesh. The curriculum of the college is in line with that of the affiliating university. The college organizes workshops, and guest lecturers to encourage industry-academia interface among students and faculty members on a regular basis. Industrial visits are arranged for the students to be familiar with the industry process to study in the curriculum. The institute also encourages getting MOU with the industries for better training in core fields and bridging the gap between institution and industry.

6.3.2 Teaching and Learning

- Teaching Learning Process is at most important process for any educational Institution and in our Institution it is given special emphasis so as our teachers perform holistically well in class room right from delivering lecture to having good command over the class.
- Mentoring, tutoring, counselling, remedial classes, and sponsorships are provided to students from disadvantaged sections, those who are differently abled and those with special needs.
- Care is taken to create a healthy environment which fosters human and academic excellence, and to ensure that the inherent talents, innovative ideas and creativity of students are nurtured through various activities and programmes
- Teachers are encouraged to use more modern and revolutionary methods that foster greater student interaction and enable the teacher to teach and also remain engaging such as power point presentations, field visits and applied extension activities
- Conducted FDP Programs ,Workshops, International Conference for the Faculty and Students. Micro teaching activities are conducted and the candidate is asked to improve in aspects where exactly he is lagging behind through his teaching Videos.
- Class Room Management with energy packed session by adopting various models on teaching are being practised such as
 - a) Chalk-Talk-Walk
 - b) AIR (Actions-Interaction and Reactions)
 - c) Situation/Case Based Methodology
 - d) Practical Based (Assembly/Disassembling)
 - e) 2-Way Approach (Student to Teacher and Teacher to Student)
- To Upgrade the Knowledge, Management is encouraging to attend workshops, seminars and Present the papers at various levels.

6.3.3 Examination and Evaluation

The academic calendar issued by the affiliating university forms the basis for designing college academic calendar. In a semester, there are two tests and two assignments. Each of the tests consists of descriptive questions as well as Objective. The better of the two tests is considered for final internal assessment. As

per the JNTUK regulations, the marks allotted internal exams are 30 and to that of external exams are 70. The objective paper (on-line test) is for 10 marks and subjective paper is for 15 marks, with duration of 1 hour 50 minutes (20 minutes for objective and 90 minutes for subjective paper). Objective paper is set by the university for 20 bits of multiple choice questions. Subjective paper of each semester shall contain 3 full questions (one from each unit) of which, the student should answer all three questions, each carrying 5 marks. First midterm examination shall be conducted for 3 units of syllabus second midterm examination shall be conducted for remaining 3 units. 5 marks are allocated for Assignments (as specified by the concerned subject teacher) first Assignment should be submitted before the conduction of the first mid, and the second should be submitted before the conduct of the second mid. The total marks secured by the student in each midterm examination are evaluated for 30 marks, and the average of the two midterm examinations shall be taken as the final marks secured by each candidate. For practical subjects, there shall be a continuous evaluation during the semester for 25 sectional marks and 50 end examination marks. Out of the 25 marks for internal, day-to-day work in the laboratory shall be evaluated for 15 marks and internal examination for practical shall be evaluated for 10 marks conducted by the concerned laboratory teacher. The end examination shall be conducted with external examiner and laboratory teacher. The external examiner shall be appointed from colleges as decided by the University examination branch. Evaluation of mini projects and main projects is also under the purview of University. The midterm examination marks are to be uploaded to university in the stipulated time mentioned in the academic calendar. University puts together internal marks and university semester end exams and declares the results

6.3.3 Research and Development

- Faculty members are encouraged to pursue research by providing them the facilities like individual system, Wi-Fi connection, digital library, equipments and laboratory. Faculties are encouraged and allowed to avail on-duty leave to attend the seminars, research activities etc.
- Most of the faculties publish research articles in National & International Journals. Institute encourages faculty as well as students by allowing them to present their papers inside and outside countries. Institute encourages innovation among students by providing them incubation facilities. The college has identified areas in its various departments for achieving excellence in Research & Development.

6.3.4 Library, ICT and physical infrastructure / instrumentation

Library:

- The IQAC monitors the regular updating of library resources. The new comers, both staff and students were given an orientation on effective use of library
- Feedback was taken from students and staff and suggestions were put forward to resources. Ample support facilities are made available for the library to improve library services.
- Class rooms, tutorials rooms, seminar halls, laboratories pertaining each department are enabled with ICT tools.
- Physical infrastructure/instrumentation:
 - Effective teaching learning process by making use of resources such as NPTEL videos
 - The campus manager is monitoring the maintenance of academic infrastructure and other

facilities

- The green ambience of the campus is maintained by the campus office

In addition to the space, infrastructure and other required facilities, additional space, infrastructure is provided to expand Library to cater needs of more number of students.

6.3.6 Human Resource Management

- Orientation programmes were given to newly inducted faculty
- Training and development programmes were conducted for the up-gradation of skills and abilities of the non-teaching and ministerial staff, to motivate them and equip them for enhanced performance
- Faculty and staff requirement is forwarded to Recruitment committee consisting of Principal, Dean Academics, HOD, senior faculty and External subject expertise for further action.
- Arranging various orientation programmes for both teaching and non-teaching faculty members for upgrading their skills in their respective fields using latest technology.
- Incentives are given to the faculty members for presenting research papers in reputed Journals / International and National Conferences. Faculty are supported financially

6.3.7 Faculty and Staff recruitment

- Work load distribution and man power planning is carried out by HOD's of all the departments based on the vacancies available the requirement of faculty and staff are projected to the management.
- Based on the SSCE recruitment Policy we recruit new faculty after the requirement is projected by respective HOD's

6.3.8 Industry Interaction / Collaboration

Sri Sivani College of Engineering is having MoUs with leading industries from different sectors. Meeting Regularly on sharing Knowledge Gaps, Industry Expectations, Project hiring, Placements etc. SSCE is having professional membership with CSI, IE (I).

6.3.9 Admission of Students

70 % of the admissions done by the State Government through Centralized Counselling in Category A. 30% of the students admitted under Management Quota / Category B by the college under the guidelines of the APSCHE. / JNTUK and Govt. of Andhra Pradesh.

6.4 Welfare schemes for

Teaching	<ul style="list-style-type: none"> • Free Medical Testing and treatment • Group Medical Insurance • Transport at Subsidiary Charges • Increment and periodic pay for faculty & staff • Subsidy Canteen food
Non teaching	Free Medical Testing and treatment, Transport at Subsidiary Charges
Students	Group Medical Insurance, Free Medical Testing and treatment

6.5 Total corpus fund generated

6.6 Whether annual financial audit has been done

Yes

No

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

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	YES	JNTUK	YES	IQAC
Administrative	YES	JNTUK	YES	IQAC

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 Reforms?

NOT APPLICABLE

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

- The Alumni Association has been meeting from time to time to provide a platform to the students to come in contact with their seniors, who are working in different institutions. These interactions help the students to prepare themselves as per demand in the schools/colleges.
- The association also arrange and organize special lectures/workshops in association with the Training, Counselling and Placement Cell, which also help the students to develop their growth wellbeing.

6.12 Activities and support from the Parent – Teacher Association

- Periodic Parent Teacher meetings department wise is conducted at the institution. The Parents, Students, Faculty come together to discuss the common issues and specific issues which are recorded and action taken report of the previous meetings are presented. This system serves as a platform for Continuous quality improvement in all aspects of the institution
- Parents are consulted on the possibility of their contributions to the, infrastructure development, well being etc.,

6.13 Development programmes for support staff

- Hands on exercise on computer tools for documentation
- Soft Skills Training program
- Training programme on spoken English
- Personality development programme

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

The following Initiatives taken by the institution to make the campus eco-friendly

- 1) **Public Transport:** The full fledged Transport department functions in college with 16 buses to provide transport facility to students and staff from various places.
- 2) **Pedestrian Friendly roads:** The goal of these Pedestrian friendly roads is to preserve and enhance pedestrians and to encourage walking as an attractive means of transportation as well as for leisure, recreation and health
- 3) **Plastic Free Campus:** Our college encourages students and staff not to use plastic bags. The security guard makes sure that no one enters the college campus with polythene bags. Students must be educated on the harmful effects of plastics. The management should conduct awareness programmes.
- 4) **Paperless Office:** For making paperless office, we are sharing documents using official emails.
- 5) **Landscaping With Trees And Plants:** Environment consciousness is enshrined in the mission of the college and tree plantation is the major concern of the management to maintain the pristine purity and beauty of the college to provide a congenial atmosphere for the academic and non-academic pursuits. Felling of one tree for the construction of building to meet the growing academic requirements is replaced by planting a few trees on the campus. Green audit of the campus is carried out by the staff periodically by supervising the maintenance of the existing trees and locating places for planting new trees. Areas are assigned to NSS Volunteers and the departments for planting, watering, weeding and maintaining the plants, greens, herbs and trees.

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.

Institution has created an ecosystem for innovations including incubation centre and other initiatives for creation and transfer of knowledge.

The SSCE has taken initiative steps towards developing ecosystem for innovations and various knowledge transfer methods. The institute encourages the students and staff, work towards developing their own ideas and share among them and with experts. SSCE has made MOUs for the purpose and encourage, educate the students and staff by means of project works in the curriculum and off the curriculum. The innovative ideas are incubated and experts help is given to realize in terms of nurturing it into reality, like developing proto type working models. This makes the participants go further for start-ups.

7.2 Provide the Action Taken Report (ATR) based on the plan of action decided upon at the beginning of the year

S.No.	Proposed Action	Action Taken
1	Enhancing Research Activities	Conducted research review meetings to create awareness on need of research for teachers, Brain storming sessions on technical issues...etc.
2	Active participation of Alumni interaction with students	Invited and conducted workshops, guest lectures and career guidelines seminars by alumni to present students
3	Publication of a Journal	Many Faculty have Published papers in various international Journals and International Conferences
4	Measures to enhance the teaching skills	Faculty Development Programs were conducted on teaching learning process with Micro teaching sessions
5	Measures to enhance technical skills of Technical staff	Two Training programs were conducted
6	Student feedback analysis and counselling of lecturers	Feed back is taken even before I Mid Examinations and counselling sessions were conducted to teachers who has low performance in certain teachers quality attributes.

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

1. Outcome Based Education (please refer annexure iii)
2. Placement Based training in Engineering Education (please refer annexure iv)

**Provide the details in annexure (annexure need to be numbered as i, ii,iii)*

7.4 Contribution to environmental awareness / protection

The following Initiatives taken by the institution to make the campus eco-friendly

- 1) **Public transport:** The full fledged Transport department functions in college with 16 buses to provide transport facility to students and staff from various places.

- 2) **Pedestrian friendly roads:** The goal of these Pedestrian friendly roads is to preserve and enhance pedestrians and to encourage walking as an attractive means of transportation as well as for leisure, recreation and health
- 3) **Plastic free campus:** Our college encourages students and staff not to use plastic bags. The security guard makes sure that no one enters the college campus with polythene bags. Students must be educated on the harmful effects of plastics. The management should conduct awareness programmes.
- 4) **Paperless office:** For the paperless office, our faculty using hard drive server for data sharing. For making paperless office, we are sharing documents using official emails.
- 5) **Landscaping with trees and plants:** Environment consciousness is enshrined in the mission of the college and tree plantation is the major concern of the management to maintain the pristine purity and beauty of the college to provide a congenial atmosphere for the academic and non-academic pursuits. Felling of one tree for the construction of building to meet the growing academic requirements is replaced by planting a few trees on the campus. Green audit of the campus is carried out by the staff periodically by supervising the maintenance of the existing trees and locating places for planting new trees. Areas are assigned to NSS Volunteers and the departments for planting, watering, weeding and maintaining the plants, greens, herbs and trees.
- 6) **Environmental awareness** is created in the students through a Mandatory Course “Environment Science” in their course structure.
- 7) Power requirement of the Institution met by the renewable energy sources is 6%

7.5 Whether environmental audit was conducted? Yes No

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

STRENGTHS

- Sri Sivani College of Engineering is in the same group where we have a Pharmacy College are existing and its an advantage for our students to carryout Interdisciplinary research activities and 11.1 Acres of land with pollution free environment.
- Regular and free medical checkups and treatment for Employees and students help in maintaining good health of staff members.
- College is very well connected with Government and College transport Facilities.
- Well educated and Visionary Management and Well connected with all means of transports like railway, Road and air.

WEEKNESSES

- Lack of good quality research
- Tuition fee of 60% of the students is being received from Government of Andhra Pradesh and the delay of these receivable keeps the college in a tight financial difficulty.
- Alumni network needs to be strengthened.

OPPORTUNITIES

- Plenty of opportunities for Industrial Collaboration
- Deemed University Status
- Implementation of Latest Technology Labs in respective branches with the help of AICTE / UGC through MODROBS.

THREATS

- Sudden spurt of Educational Institutions and Private Universities in and around North Coastal region and Andhra Pradesh State has created a tough competition.

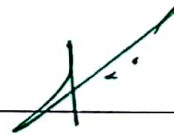
8. Plans of institution for next year

- To obtain good number of paper publications in International Journals and conferences.
- To perform regular Academic Audits
- Improve the student's success rate
- To make College and Outcome Based Educational Centre in the region.
- Implementation of Life Skills Program for all Year students thereby achieving 100% Employability.
- To further Improve Industry Institute Interaction.
- To Strengthen R & D consultancy.
- To establish Centre of Excellence for every department.

Name Dr. G. S. CHANDRA SEKHAR Name Dr. B. Murali Krishna



Signature of the Coordinator, IQAC



Signature of the Chairperson, IQAC

ANNEXURE-I

ACADEMIC CALENDERS(2017-18)

Grams: "TECHNOLOGY"
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Directorate of Academic & Planning
JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA
KAKINADA-533003, Andhra Pradesh, INDIA
(Established by AP Government Act No. 30 of 2008)

Lr. No. JNTUK/DAP/Aca.Cal/1st MBA/2017-18

Date: 31-08-2017

Dr. Ch. Satyanarayana
M.Tech, Ph.D.,
Director, Academic & Planning.

To
All the Principals of affiliated colleges,
JNTUK, Kakinada.

**REVISED ACADEMIC CALENDAR FOR
MBA I YEAR - 2017 BATCH**

MBA I Year I Semester			
Description	From	To	Weeks
Commencement of Class Work	04-09-2017		
I Unit of Instructions	04-09-2017	28-10-2017	8W
I Mid Examinations	30-10-2017	04-11-2017	1W
II Unit of Instructions	06-11-2017	30-12-2017	8W
II Mid Examinations	01-01-2018	06-01-2018	1W
Preparation & Practicals	08-01-2018	13-01-2018	1W
End Examinations	16-01-2018	27-01-2018	2W
Commencement of Class Work	29-01-2018		
MBA I Year II Semester			
Commencement of Class Work	29-01-2018		
I Unit of Instructions	29-01-2018	24-03-2018	8W
I Mid Examinations	26-03-2018	31-03-2018	1W
II Unit of Instructions	02-04-2018	26-05-2018	8W
II Mid Examinations	28-05-2018	02-06-2018	1W
Preparation & Practicals	04-06-2018	09-06-2018	1W
End Examinations	11-06-2018	23-06-2018	2W
Project Work	25-06-2018	28-07-2018	5W
Commencement of III Semester Class Work	30-07-2018		


Director, Academic and Planning

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Grams: "TECHNOLOGY"
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Directorate of Academic & Planning
JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA
KAKINADA-533003, Andhra Pradesh, INDIA
(Established by AP Government Act No. 30 of 2008)

Lr. No. JNTUK/DAP/Aca.Cal/ B.Tech/B.Pharm -II Year/2017-18

Date: 07-06-2017

Dr. Ch. Satyanarayana
M.Tech, Ph.D.,
Director, Academic & Planning

To
The Principals of All Affiliated Colleges,
JNTUK, Kakinada

ACADEMIC CALENDAR FOR
B.TECH/ B.PHARM II YEAR
2016 BATCH

B.TECH/ B.PHARM II YEAR I Semester			
Description	From	To	Weeks
Commencement of Class Work	12-06-2017		
I Unit of Instructions	12-06-2017	05-08-2017	8W
I Mid Examinations	07-08-2017	12-08-2017	1W
II Unit of Instruction	14-08-2017	07-10-2017	8W
II Mid Examinations	09-10-2017	14-10-2017	1W
Preparation & Practicals	16-10-2017	21-10-2017	1W
End Examinations	23-10-2017	04-11-2017	2W
Commencement of Class Work	20-11-2017		
B.TECH/ B.PHARM II YEAR II Semester			
Commencement of Class Work	20-11-2017		-
I Unit of Instructions	20-11-2017	13-01-2018	8W
I Mid Examinations	15-01-2018	20-01-2018	1W
II Unit of Instruction	22-01-2018	17-03-2018	8W
II Mid Examinations	19-03-2018	24-03-2018	1W
Preparation & Practicals	26-03-2018	31-03-2018	1W
End Examinations	02-04-2018	14-04-2018	2W
Commence of Class work	11-06-2018		


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(Established by AP Government Act No. 30 of 2008)

Lr. No. JNTUK/DAP/Aca.Cal/B.Tech/B.Pharm-III Year/2017-18

Date: 07-06-2017

Dr. Ch. Satyanarayana
M.Tech, Ph.D.,
Director, Academic & Planning

To
The Principals of All Affiliated Colleges,
JNTUK, Kakinada

ACADEMIC CALENDAR FOR
B.TECH/ B.PHARM III YEAR
2015 BATCH

B.TECH/ B.PHARM III YEAR I Semester			
Description	From	To	Weeks
Commencement of Class Work	12-06-2017		
I Unit of Instructions	12-06-2017	05-08-2017	8W
I Mid Examinations	07-08-2017	12-08-2017	1W
II Unit of Instruction	14-08-2017	07-10-2017	8W
II Mid Examinations	09-10-2017	14-10-2017	1W
Preparation & Practicals	16-10-2017	21-10-2017	1W
End Examinations	23-10-2017	04-11-2017	2W
Commencement of Class Work	20-11-2017		
B.TECH/ B.PHARM III YEAR II Semester			
Commencement of Class Work	20-11-2017		-
I Unit of Instructions	20-11-2017	13-01-2018	8W
I Mid Examinations	15-01-2018	20-01-2018	1W
II Unit of Instruction	22-01-2018	17-03-2018	8W
II Mid Examinations	19-03-2018	24-03-2018	1W
Preparation & Practicals	26-03-2018	31-03-2018	1W
End Examinations	02-04-2018	14-04-2018	2W
Commence of Class work	11-06-2018		


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(Established by AP Government Act No. 30 of 2008)

Lr. No. JNTUK/DAP/Aca.Cal/Ist M.Tech/2017-18

Date: 15-09-2017

Dr. Ch. Satyanarayana
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To
All the Principals of affiliated colleges,
JNTUK, Kakinada.

ACADEMIC CALENDAR FOR
M.Tech I YEAR - 2017 BATCH

M.Tech I Year I Semester			
Description	From	To	Weeks
Commencement of Class Work	18-09-2017	-	-
I Unit of Instructions	18-09-2017	11-11-2017	8W
I Mid Examinations	13-11-2017	18-11-2017	1W
II Unit of Instructions	20-11-2017	13-01-2018	8W
II Mid Examinations	16-01-2018	20-01-2018	1W
Preparation & Practicals	22-01-2018	27-01-2018	1W
End Examinations	29-01-2018	10-02-2018	2W
Commencement of Class Work	12-02-2018		
M.Tech I Year II Semester			
Commencement of Class Work	12-02-2018	-	-
I Unit of Instructions	12-02-2018	07-04-2018	8W
I Mid Examinations	09-04-2018	14-04-2018	1W
II Unit of Instructions	16-04-2018	09-06-2018	8W
II Mid Examinations	11-06-2018	16-06-2018	1W
Preparation & Practicals	18-06-2018	23-06-2018	1W
End Examinations	25-06-2018	07-07-2018	2W
Commencement of II Year Class Work	09-07-2018	-	-


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KAKINADA-533003, Andhra Pradesh, INDIA
(Established by AP Government Act No. 30 of 2008)

Lr. No. JNTUK/DAP/Aca.Cal/M.Tech&M.Pharmacy-II/2017-18

Date: 29-05-2017

Dr. Ch. Satyanarayana
M.Tech, Ph.D.,
Director, Academic & Planning

To
The Principals of affiliated colleges,
JNTUK, Kakinada.

ACADEMIC CALENDAR FOR
M.TECH/M.PHARMACY II YEAR
2016 BATCH

III & IV Semesters			
Description	From	To	Weeks
Commencement of Project Work	05-06-2017		
III Semester	05-06-2017	04-11-2017	22W
IV Semester	06-11-2017	07-04-2018	22W
Thesis submission duration	09-04-2018	30-06-2018	12W


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Directorate of Academic & Planning
JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA
KAKINADA-533003, Andhra Pradesh, INDIA
(Established by AP Government Act No. 30 of 2008)

Lr. No. JNTUK/DAP/Aca.Cal/MBA/2017-18

Date: 29-05-2017

Dr. Ch. Satyanarayana
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To
All the Principals of affiliated colleges,
JNTUK,
Kakinada.

ACADEMIC CALENDAR FOR
MBA II YEAR - 2016 BATCH

III Semester			
Description	From	To	Weeks
Commencement of Class Work	03-07-2017		
I Unit of Instructions	03-07-2017	26-08-2017	8W
I Mid Examinations	28-08-2017	04-09-2017	1W
II Unit of Instruction	05-09-2017	28-10-2017	8W
II Mid Examinations	30-10-2017	04-11-2017	1W
Preparation & Practicals	06-11-2017	11-11-2017	1W
End Examinations	13-11-2017	25-11-2017	2W
Commencement of Class Work	27-11-2017		
IV Semester			
Commencement of Class Work	27-11-2017		
I Unit of Instructions	27-11-2017	20-01-2018	8W
I Mid Examinations	22-01-2018	27-01-2018	1W
II Unit of Instruction	29-01-2018	24-03-2018	8W
II Mid Examinations	26-03-2018	31-03-2018	1W
Preparation & Practicals	02-04-2018	07-04-2018	1W
End Examinations	09-04-2018	21-04-2018	2W


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(Established by AP Government Act No. 30 of 2008)

Lr. No. JNTUK/DAP/Aca.Cal/MCA III Year/2017-18

Date: 21-06-2017

Dr. Ch. Satyanarayana
M.Tech, Ph.D.,
Director, Academic & Planning.

To
All the Principals of affiliated colleges,
JNTUK, Kakinada.

ACADEMIC CALENDAR FOR
MCA III YEAR - 2015 BATCH

V Semester			
Description	From	To	Weeks
Commencement of Class Work	12-06-2017		-
I Unit of Instructions	12-06-2017	05-08-2017	8W
I Mid Examinations	07-08-2017	12-08-2017	1W
II Unit of Instructions	14-08-2017	07-10-2017	8W
II Mid Examinations	09-10-2017	14-10-2017	1W
Preparation & Practicals	16-10-2017	21-10-2017	1W
End Examinations	23-10-2017	04-11-2017	2W
VI Semester			
Commencement of Project Work	06-11-2017	31-03-2018	21W
Viva Voce	02-04-2018	14-04-2018	2W


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ANNEXURE-II

STAKEHOLDER'S FEEDBACK ANALYSIS

1. Feedback from alumni

Feedback on curriculum is obtained from Alumni, when they come to the college to get their original Certificates / Degrees on completion of the course and attend the Alumni Meet arranged by the department concerned periodically. Based on the feedback, the necessary recommendations are proposed in the Board of Studies for discussion and approval. Alumni are also a member in the Board of studies. The recommendations made by the alumni, subsequently discussed and approved by the BOS.

2. Feedback from Parents

During Parents' Meeting, parents meet the faculty to know about the academic performance, regularity, conduct and behaviour of their wards and they provide such information about the usefulness or suitability of the programme of their wards.

3. Feedback from Peers

The College gets feedback from the Subject Experts, Resource Persons, Members of Inspection Team and External Examiner for conducting Viva-voce, Special invitees to the seminars, symposium and workshops arranged in the College campus to enrich the curriculum.

Based on the feedback, the necessary recommendations are proposed in the Board of Studies for discussion and approval. Some of the recommendations made by the Peer Team, subsequently discussed and approved by the Board of Studies.

4. Industrial Experts

Each Department advisory committee is represented by a noted person from Industry. His / Her elucidations on the requirements of industry with regard to subject knowledge and skill are faithfully taken for consideration while revising / updating the curriculum.

Based on the feedback, the necessary recommendations are proposed in the Department Advisory Committee for discussion and approval. Some of the recommendations made by the industrial experts subsequently discussed and approved by the Department Advisory Committee.

ANNEXURE-III**BEST PRACTISE-1**

Title of the Practice: OUTCOME BASED EDUCATION

Objectives of the Practice:

- To focus classroom instruction on the accomplishments i.e. skills/competencies those students must demonstrate when they exit.
- To provide instruction in order to enable students to understand the interrelationships among the social and cultural bases of human behavior.
- To equip students with knowledge of research methods appropriate to investigations in engineering and socio-cultural settings.
- To provide students with sufficient opportunities to practice using the new knowledge and skills that they gain, so that, under the faculty's guidance, they can explore and experiment with their new learning, correct errors, and adjust thinking.

The Context

The outcome based education model prescribes a core curriculum and other basic requirements. It defines the basic parameters for the outcomes of the program and more on specific outcomes and objectives. It requires the measurement of outcomes, looking for evidence that these measurements have been used to foster a quality improvement process. It is student centric and focuses on the outcomes achieved by the students. All stake holders are consulted prior to curriculum development: Faculty, Students, Industry, Management, Alumni, Parents, Government, Special interest groups. It encourages continuous improvement in curriculum. It assesses graduates in knowledge, skills and attitudes to be industry ready.

The Practice

The SSCE has introduced Outcome Based Education which focuses on measuring student performance based on the resources that are available to the students. OBE gives recognition to the students for the knowledge, skills and attitudes they have acquired.

- The college clearly defines vision, mission, objectives, outcomes and strategies.
- The college implements OBE based learning in all the programs by defining respective program objectives, program outcomes and program specific outcomes.
- All the courses in each program are defined with a set of course objectives and outcomes.
- Each faculty will prepare course file for each course which contains Department vision, mission, course syllabus, individual time table, program objectives, program outcomes, various mapping matrices, unit plan, lesson plan, course plan, unit wise material, direct and indirect assessments, student grading sheet, surveys/feedbacks collected from students and CO-PO attainment sheet.
- Each faculty take responsibility as a mentor, counselor, facilitator, guide, assessor, evaluator, learner, and finally as a teacher in OBE system.
- The college collects the feedback from the students on course structure, infrastructure, faculty, information resources, evaluation, and on the overall OBE system, to establish quality and continuously improve the program.

The assessment of student learning begins with educational values and is most effective in understanding of learning as multidimensional, integrated, and revealed in performance over time.

The course outcomes were prepared by the action verbs of blooms taxonomy. The assessment of course outcomes are as follows:

Direct assessment:

1. Internal Mid Examinations and Assignments

Two Mid Examinations are conducted for students as prescribed by the university norms. There shall be 2 midterm examinations (each for 25 marks), along with 2 assignments in a similar pattern as above [1st mid shall be from 3 units, 2nd shall be from remaining 3 units], and the average marks of the two examinations secured (each evaluated for a total of 30 marks) in each subject shall be considered as final marks for the internals. Each question in the mid exam is mapped to the course outcomes. It is expected that a student should score at least 70% of Maximum marks of the course for the attainment.

2. End Semester Examination

For theory subjects the distribution shall be 30 marks for Internal Evaluation and 70 marks for the End Examination. It is expected that a student should score at least 40% of Maximum marks of the course for the attainment of course outcomes. The marks scored by the students in Internal Examinations, Assignments and End Semester exams are used to assess the attainment level of the whole course and the course outcome attainment level.

3. Labs

For Labs, there shall be a continuous evaluation during the year for 25 internal marks and 50 end examination marks. Out of 25 marks for the Internal, day to day work in the Laboratory shall be evaluated for 15 marks and internal examination shall be evaluated for 10 marks conducted by the concerned laboratory Faculty. The end examination shall be conducted with external examiner and laboratory teacher.

Evidence of Success

The college has clearly stated all program outcomes, program specific outcomes and course outcomes for all programs.

- The faculty, industry and alumni are actively involved in preparing program outcomes, program specific outcomes and course outcomes of all programs in the college.
- The course outcomes of all the programs are made known to the students and staff by displaying in the website of the college.
- Individual copies of the regulation book are distributed to all the students which contain details of the course outcomes.
- Regulation books are also available in the library for student access.
- Orientation program for all the new students is conducted every year at the beginning of the academic year to educate about all course outcomes.
- At the beginning of the academic year all the faculty members will prepare the course files and laboratory manuals.

Problems Encountered and Resources Required

- OBE is also called performance based education it emphasize in measuring out comes rather than inputs.
- OBE organize everything in a Educational system with a clear picture of curriculum, instruction and assessment to make sure the learning ultimately happens.
- OBE is an approach of planning, delivering and evaluating instruction that requires administrators, teachers and students to focus their attention and efforts on the desired results of education.
- OBE is underpinned by three basic premises:
 - i. All students can learn and succeed, but not all in the same time or in the same way.
 - ii. Successful learning promotes even more successful learning.
 - iii. Institutes and faculty control the conditions that determine whether or not students are successful at institutional learning.
- OBE oriented teachers think about the individual needs of each student and give opportunities for each student to achieve outcomes at a variety of levels.
- Though it is claimed the focus is not on inputs, yet OBE is criticized for being used to justify increased funding requirements, increased graduation and testing requirements, extra burden on faculty, students and educational institutions, additional preparation, home work and increasing the amount of time spent by students, parents and faculty in supporting learning.

ANNEXURE-IV

BEST PRACTISE-2

Title of the Practice

Placement Based training in Engineering Education

Goal

The main objective of this practice is to improve the academic standards and to provide all the academic facilities to the students based on today's need of the Software industry/hardware Industry into which the students enter after they complete the course. The purpose of the **Training and Placement** is to guide students to choose right career and to give knowledge, & skilled manpower which requirements of the Industry standards.

The Context

The institute thrives to achieve the standards in both academic and administrative aspects in order to see that students may leave the campus with excellence in all constructive dimensions after completion of their course. CRT is found to be the best practice in most of the organizations to improve the placement of the students. Mostly the training programs start in the final year in many organizations; in our institute we train the students from pre-final year onwards which will help them to enhance their both technical & interpersonal skills for their placement drives. Companies no longer just look for academic excellence, aptitude and group discussion. Yes, they are the corner stone of an interview but more and more companies are looking at how well your students are prepared to work in an industry. Your training should be focused n real world problem and what the industry currently requires.

The Practice

The practice involves all students & several faculty members. Who have industry experience those faculty members have training to the students. Campus recruitment training at Sri Sivani College is designed to aid candidates in their preparation for recruitment through campuses or outside campuses (i.e on campus or off campus). Students in their final step of engineering studies or qualified candidates looking for placement in reputed organizations can make use of this training to get trained to deliver their best in the selection processes of organizations such as Infosys, Wipro, TCS . We aspire to be a professional trainer for the students who are appearing in campus placements to improve their logical thinking, interview skills and aptitude levels which are key points in campus Placements. The candidates will be trained thoroughly in the following areas.

- Aptitude Tests
- Group Discussion process
- Interview Process

Evidence of Success:

Number of students placed in the quality organisation has increased.

Problems Encountered and Resources Required

Initially we had encountered a problem with the verbal training. After refining the problem in many dimensions, finally we resolved the issue