ANNUAL QUALITY ASSURANCE REPORT (AQAR)
2015 - 2016

Submitted to

NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL
An Autonomous Institution of the University Grants Commission

P. O. Box. No. 1075, Nagarbhavi, Bangalore - 560 072 India

Submitted by

SREE VIDYANIKETHAN ENGINEERING COLLEGE
(AUTONOMOUS)

(Approved by AICTE, Accredited by NBA, New Delhi and Affiliated to JNTUA, Anantapur)
Sree Sainath Nagar, A. Rangampet, Chandragiri Mandal, Chittoor Dist., Andhra Pradesh – 517 102
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THE ANNUAL QUALITY ASSURANCE REPORT (AQAR) OF THE IQAC

PART – A

1. Details of the Institution

1.1 Name of the Institution

> **Sree Vidyanikethan Engineering College (Autonomous)**

1.2 Address Line 1

> Sree Sainath Nagar, A.Rangampet

Address Line 2

> Chandragiri Mandal, Chittoor District

City/Town

> Tirupati

State

> Andhra Pradesh

Pin Code

> 517102

Institution e-mail address

> svecp@vidyanikethan.edu

Contact Nos.

> 0877 - 3066900, 3066901
> 0877 – 2236711-14 (4 Lines)

Name of the Head of the Institution:

> **Dr. P.C. Krishnamachary**

Tel. No. with STD Code:

> 0877-2236600

Mobile:

> +91-9160999961

Name of the IQAC Co-ordinator:

> **Dr. B. Narendra Kumar Rao**

Mobile:

> +91-9700688450

IQAC e-mail address:

> iqac@vidyanikethan.edu

1.3 NAAC Track ID (For ex. MHCOGN 18879):   APCOGN 15094

1.4 Website address: www.vidyanikethan.edu

Web-link of the AQAR: http://svec.education/wp-content/programs/IQAC/AQAR-Report-2015-16.pdf

For ex. http://www.ladykeanecollege.edu.in/AQAR201213.doc

1.5 Accreditation Details

Sl. No.	Cycle	Grade	CGPA	Year of Accreditation	Validity Period
1	1st Cycle	A	3.11	2013	5 Years
2	2nd Cycle				
3	3rd Cycle				
4	4th Cycle				

1.6 Date of Establishment of IQAC :   DD/MM/YYYY   02-07-2013

1.7 AQAR for the year *(for example 2010-11)*   2015-16

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

  i. AQAR submitted on 30/12/2015

 ii. AQAR submitted on 31/12/2015

1.9 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 ☑

1.10 Type of Faculty/Programme

Arts ☐ ---　Science ☐ ---　Commerce ☐ ---　Law ☐ ---　PEI (Phys Edu) ☐ ---

TEI (Edu) ☐ ---　Engineering ☑　Health Science ☐ ---　Management ☐ ---

Others　(Specify)　　| Master of Computer Applications |

1.11 Name of the Affiliating University *(for the Colleges)*　　| Jawaharlal Nehru Technological University Anantapur (JNTUA), Ananthapuramu, A.P. |

1.12 Special status conferred by Central/ State Government-- UGC/CSIR/DST/DBT/ICMR etc : NA

Autonomy by State/Central Govt. / University　　| UGC, New Delhi |　☑

University with Potential for Excellence　　☐ ---　　UGC-CPE　　☑

| DST Star Scheme | --- | UGC-CE | --- |

| UGC-Special Assistance Programme | --- | DST-FIST | ✔ |

| UGC-Innovative PG programmes | --- | Any other (*Specify*) | --- |

| UGC-COP Programmes | --- |

2. IQAC Composition and Activities

2.1 No. of Teachers | 5 |

2.2 No. of Administrative/Technical staff | 5 |

2.3 No. of students | 2 |

2.4 No. of Management representatives | 1 |

2.5 No. of Alumni | 2 |

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 | 3 |

2.11 No. of meetings with various stakeholders: No. | 1 | Faculty | 1 |

Non-Teaching Staff | 1 | Students | 1 | Alumni | 1 | Others | 1 |

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 | 1

(ii) Themes

> Effective Teaching, Learning and Evaluation through Outcome Based Education

2.14 Significant Activities and contributions made by IQAC

> 1. Academic audit of all the departments
> 2. Setting up of rubrics for Monitoring the performance evaluation of the faculty
> 3. Increasing the interaction of research mentoring committee with the faculty for research funding

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
1. Thorough implementation of OBE principles 2. Orientation for faculty on new teaching-learning methods 3. Continuous evaluation with the focus on attainment of program outcomes 4. Formation of research clusters for promoting inter disciplinary research	YES, Attained

2.16 Whether the AQAR was placed in statutory body   Yes | ✔ | No | --- |

Management | - | Syndicate | -- | Any other body | |

Provide the details of the action taken

> The Governing Body approved the AQAR for the year 2015-16 for submitting it to NAAC.

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	2	-	2	-
PG	8	-	8	-
UG	8	-	8	-
PG Diploma	-	-	-	-
Advanced Diploma	-	-	-	-
Diploma	-	-	-	-
Certificate	-	-	-	-
Others	-	-	-	-
Total	18	-	18	-

Interdisciplinary	-	-	-	-
Innovative	-	-	-	-

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

Core / Professional Elective / Interdisciplinary courses/ Open Courses

(ii)   Pattern of programmes: The Institution follows annual system for I year B.Tech; and semester system for II, III and IV year B.Tech and P.G. Courses.

Pattern	Number of programmes
Semester	16
Trimester	-
Annual	8

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

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

1.4 Whether there is any revision/update of regulation or syllabi, if yes, mention their salient aspects.

Yes, the College has revised the regulations and updated he syllabi of all the UG & PG programs. Introduction of open electives, Professional Elective courses, Interdisciplinary courses and also preparing the curriculum in line with principles of Outcome Based Education.

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

CRITERION – II

2. TEACHING, LEARNING AND EVALUATION

2.1 Total No. of
permanent faculty

Total	Asst. Professors	Associate Professors	Professors	Others
404	346	22	36	--

2.2 No. of permanent faculty with Ph.D.

73

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
66	-	8	-	3	-	-	-	77	-

2.4 No. of Guest and Visiting faculty and Temporary faculty

---	03	---

2.5 Faculty participation in conferences and symposia (2015-16):

No. of Faculty	International level	National level	State level
Attended Seminars/ Workshops	27	492	85
Presented papers	92	58	-
Resource Persons	1	8	22

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

➤ **Additional teaching support through NPTEL lectures, IITM-QEEE, open source software**

Quality Enhancement in Engineering Education (QEEE)

QEEE Phase - V (2015- 16 Even Semester)

S. No.	Offered Course by QEEE	Faculty Name	Relevant Course in SVEC Syllabus	Year & Branch	Local Faculty Name	No. of Student Beneficiaries
1.	**Basic Graph Algorithms - Design and Analysis of Algorithms**	Prof. Sandeep Sen, IITD	Design and Analysis of Algorithms	III-II, IT-A	V. Lokanadham Naidu, Dept. of IT	114
				III-II, IT-B	S. Sreenivasa Chakravarthi, IT	
2.	**Introduction to Signal and Systems**	Prof. Devendra Jalihal, IITM	Signals and Systems	II-II, ECE-B	G. Naresh, Dept. of ECE	71
3.	**Object Oriented Concepts- Classes and Data Abstraction-**	Prof. Rupesh Nasre, IITM	Object Oriented Programming	II-II, CSE-D	B. Gurunadha Rao, Dept. of CSE	106

S. No.	Offered Course by QEEE	Faculty Name	Relevant Course in SVEC Syllabus	Year & Branch	Local Faculty Name	No. of Student Beneficiaries
	Operator Overloading-Inheritance			II-II, CSSE-A	P. Suryachandra, Dept. of CSSE	
4.	**Information Security and Cryptography**	Prof. Chester Rebeiro, IITM	Cryptography and Network Security	III-II, CSE-A	K Munivara Prasad, Dept. of CSE	68
5.	**Design of Feedback in Control Systems**	Prof. Tushar Jain, IITMandi	Control Systems	III-II, EEE A&B	I. Kumara Swamy, Dept. of EEE	43
6.	**Process Synchronization - Operating Systems**	Prof. Krishna Sivalingam, IITM	Operating Systems	II-II, IT-A	A. Ram Prakash Reddy	111
				II-II, IT-B	V.S.V.S.S.S.M. Chakradhar	
7.	**Heat Transfer**	**Prof. Aravind Pattamatta, IITM**	Heat Transfer	**III-II, ME-B**	L. Krupakaran, Dept. of ME	70
8.	Deflection of Statically Determinate Structures	Prof. Arghadeep Laskar, IITB	Structural Analysis-I	**II-II, CE-B**	M. Gokulnath, Dept. of CE	76
9.	Fundamental Concepts in Fluid Mechanics - Fluid Mechanics	Dr.Suman Chakraborty, IITKGP	Fluid Mechanics - II	**II-II, CE-A**	D. Sreenivasa Murthy, Dept. of CE	61
					Total	**720**

QEEE Phase - IV (2015- 16 Odd Semester):

S.No.	Offered Course by QEEE	Faculty Name	Relevant Course in SVEC Syllabus	Year & Branch	Local Faculty Name	No. of Student Beneficiaries
1.	Construction Planning and Control	Prof. Koshy Varghese, IITM	Construction Planning and Project Management	III B. Tech I Sem., CE-A&B	Mr. C. Sreenath, CE	142
2.	Site Investigation and Exploration	Prof.V.B.Maji, IITM	Foundation Engineering	IV B.Tech. I Sem., CE-B	Ms. G. Gnana Prasanna, CE	73
3.	Solid State Devices Made Easy	Prof. Shreepad Karmalkar, IITM	Semiconductor Devices and Circuits	II B. Tech I Sem., ECE-C	Dr. N. Padmaja, ECE	71
4.	Program Testing	Prof. Rajib Mall IITKGP	Software Engineering	III B. Tech I Sem., IT A & B	Ms. C. Silpa Mr. A. Ram Prakash Reddy, IT	111
5.	Control Systems	Prof. Anil Kumar Sao, IIT Mandi	Control Systems	III B. Tech, I Sem., EEE-B	Mr. I. Kumara Swamy, EEE	58
6.	Graphs and Strings	Prof. G. Venkatesh, IITM	Design and Analysis of Algorithms	III B. Tech I Sem., CSE-B	Mr. K Munivara Prasad, CSE	70
7.	Engineering Drawing - Machine Drawing	Prof. S. R. Kale IITD	Computer Aided Machine Drawing	II B. Tech I Sem., ME-B	Mr. M Gangaraju, ME	60
					Total	**585**

- ➢ **More emphasis on self learning**
- ➢ **Introduction of project based learning.**

2.7 Total No. of actual teaching days during this academic year | 190 |

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

- Recounting, Revaluation and personal identification
- Question papers based on blooms taxonomy
- Add on formative assessments

2.9 No. of faculty members involved in curriculum restructuring/revision/syllabus development as member of Board of Study/Faculty/Curriculum Development workshop

| 90 | 90 | -- |

2.10 Average percentage of attendance of students | 80% |

2.11 Course/Programme wise distribution of pass percentage:

(2016 passed out batch)

Title of the Programme	Total no. of students appeared	Division				
		Distinction %	I %	II %	III %	Pass %
B.Tech - CE	137	69	39	13	—	88.32
B.Tech - EEE	208	125	61	11	—	94.71
B.Tech - ME	136	95	32	2	—	94.85
B.Tech - ECE	140	97	35	2	—	95.71
B.Tech - CSE	142	69	51	14	—	94.37
B.Tech - EIE	110	54	32	8	—	85.45
B.Tech - IT	110	49	40	13	—	92.73
B.Tech - EConE	46	20	21	-	—	89.13
B.Tech - CSSE	105	56	33	4	—	88.57
M.Tech - CS	24	23	1	—	—	100
M.Tech - EPS	25	22	3	—	—	100
M.Tech - SE	14	12	2	—	—	100
M.Tech - DECS	11	10	1	—	—	100
M.Tech - VLSI	18	18	—	—	—	100
M.Tech - CMS	16	16	—	—	—	100
M.Tech - CNIS	9	7	2	—	—	100
MCA	54	29	25	—	—	100

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

Contribution:

Strong emphasis on the review of concepts given for self learning by the students. Mentoring members of Faculty on training in specialized areas.

Monitotring:

Student results analysis and remedial action. Faculty performance appraisal and metrics

Evaluation:

Feedback system, analysis and remedial action on teachers, facilities, curriculum, program educational objectives and program outcomes.

2.13 Initiatives undertaken towards faculty development

Faculty / Staff Development Programmes	*Number of faculty benefitted*
Refresher courses	64
UGC – Faculty Improvement Programme	35
HRD programmes	-
Orientation programmes	-
Faculty exchange programme	-
Staff training conducted by the university	1
Staff training conducted by other institutions	5
Summer / Winter schools, Workshops, etc.	68
Others	138

2.14   Details of Administrative and Technical staff (2015-16)

Category	Number of Permanent Employees	Number of Vacant Positions	Number of permanent positions filled during the Year	Number of positions filled temporarily
Administrative Staff	68	--	9	--
Technical Staff	111	--	05	--

CRITERION -III

3. RESEARCH, CONSULTANCY AND EXTENSION

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

The IQAC recommends the following:

➢ **Research Mentoring Committee interactions**

Sl. No.	Name of the Research Advisers	Area of Research mentoring	Date(s) of Visit
1	Dr. Lazar Mathew Former Director, DRDO, Advisor, Medical Sciences, Engineering & Technology (Advisor – Research)	Biomedical Instrumentation	13th to 20th June 2016 & 29th Mar. to 2nd Apr 2016 & 23rd to 27th Feb 2016 & 19th to 23rd Jan 2016 & 3rd to 8th Dec. 2015 & 8th - 9th Oct. 2015
2	Dr. Madhusudan Atre, CEO & Founder, Vegashakti Consultants, Bangalore Former Country Head – AMD India. (Adjunct faculty)	Advanced Micro Devices, Applied Materials	7th June, 2016 & 11th Apr 2016 & 14th Mar 2016 & 09th Feb 2016 & 21st Sep. 2015 & 03rd Dec. 2015
3	Dr. Prahlada, Padma Shri Awardee, Advisor, S-VYASA, Former Distinguished Scientist & CC R&D DRDO, Former Director, DRDL. (Professor Emeritus)	Thermal Engineering and Heat Transfer	7th Apr 2016 & 28th to 29th Jan 2016 & 10th Oct. 2015

➢ **Periodic meetings of interdisciplinary Research Clusters**

➢ **Research Audit and Remedial action**

➢ **Organizing Faculty Development Programs on Research Competence in the areas of**

- MEMS
- VLSI & Embedded Systems
- Signal Processing
- Energy Systems
- Computer Vision
- Network Security
- Manufacturing
- Water and Environment

3.2 Details regarding major projects   **(Rs. in lakhs)**

	Completed	Ongoing	Sanctioned	Submitted
Number	1	2	2	7
Outlay in Rs. Lakhs	15	22.93	14.85	14.36

3.3   Details regarding minor projects   **(Rs. in lakhs)**

	Completed	Ongoing	Sanctioned	Submitted
Number	01	01	--	01
Outlay in Rs. Lakhs	0.60	8.9	--	5.0

3.4   Details on research publications

	International	National	Others
Peer Review Journals	139	30	--
Non-Peer Review Journals	30	2	--
e-Journals	108	2	--
Conference proceedings	77	29	--

3.5 Details on Impact factor of publications:

Range | 0.35-5.7 | Average | 1 | h-index | 2 | Nos. in SCOPUS | 36 |

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	2015-16	UGC	6.19	6.19
Minor Projects	--	-	-	-
Interdisciplinary Projects	--	-	-	-
Industry sponsored	--	-	-	-
Projects sponsored by the University/ College	--	-	-	-
Students research projects *(other than compulsory by the University)*	--	-	-	-
Any other(Specify)	--	DBT	8.66	-
Total	--	--	14.85 lakhs	--

3.7 No. of books published   i) With ISBN No. | - | Chapters in Edited Books | 04 |

ii) Without ISBN No. | - |

3.8 No. of University Departments receiving funds from

UGC-SAP | - | CAS | - | DST-FIST | - |

DPE | - | DBT Scheme/funds | 01 |

3.9 For colleges   Autonomy | ✔ | CPE | - | DBT Star Scheme | - |

INSPIRE | - | CE | - | Any Other (specify) | - |

3.10 Revenue generated through consultancy   Rs. 2,30,800/-

3.11 No. of conferences organized by the Institution

Level	International	National	State	University	College
Number	-	-	-	-	-
Sponsoring agencies	-	-	-	-	

3.12 No. of faculty served as experts, chairpersons or resource persons | 22 |

3.13 No. of collaborations   International | - | National | 20 | Any other | - |

3.14 No. of linkages created during this year | 03 |

3.15 Total budget for research for current year in lakhs:

From Funding agency | -- | From Management of University/College | Rs. 13.5 lakhs

Total | Rs. 13.5 lakhs

3.16 No.of patents received this year

Type of Patent		Number
National	Applied	3
	Granted	1
International	Applied	--
	Granted	--
Commercialised	Applied	--
	Granted	--

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

International	National	State	University	Dist	College
1	6	-	1	-	1

3.18 No. of faculty from the Institution

who are Ph. D. Guides | 10

and students registered under them | 12

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

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

JRF | 1 | SRF | - | Project Fellows | - | Any other | -

3.21 No. of students Participated in NSS events:

University level | 157 | 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 | 1

NCC | -- | NSS | 7 | Any other | --

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

➢ **List of NSS activities**

NSS Regular and Special Camps organized

Regular Camps:

Event	Regular activities conducted	No. of Volunteers participated	Date & Month
1	'**Vanamahothsavam Week'**, Mass Tree Plantation	50	05-07-2015
2	**"Independence Day"** at Govt. High School, A.Rangampet	50	15-08-2015
3	**Sardar Vallabhai Patel's** 140th Birthday Celebrations	50	31-10-2015
4	**Skill Development Program** at SVEC campus.	100	09-01-2016
5	**National Youth Day** at SVEC campus.	85	12-01-2016
6	**"National Voter's Day"** at SVEC campus.	50	25-01-2016
7	**Workshop on Psychological Empowerment for Girls/ Women** at SVEC Campus	250	24-02-2016
8	**"Blood Donation Camp"** at SVEC campus.	100	19-03-2016

Special Camp at Ramireddy Palli 15-03-2016 to 21-03-2016

Day	Day-wise Activity Plan	No. of Volunteers participated	Date & Month

1	Work plan
	    a. Identify Needs, Problems and resources of the Village.
	    b. Planning of events
		50	15-03-2016

2	NSS Volunteers conducted a training session to school children and Villagers exclusively on
	    a. Cleanliness and healthy habits to practice in daily life
	    b. Basic Traffic Practices/ Road Traffic Awareness.
	Display of Posters in the Village about Water Conservation methods like Rainwater Harvesting, Form ponds, & Ground Water conservation.
		50	16-03-2016

3	The following measures were taken on " SWACHHA BHARATH"
	    a. Cleaning of village area.
	    b. Campaigning on Usage of Toilets & avoiding public Urination.
	NSS Volunteers distributed blankets to old people in the village.
		50	17-03-2016

4	NSS Volunteers conducted an awareness program for women on basics of 'SWACHHA BHARATH' • Comprehensive program was conducted by the Girl volunteers to uneducated women in village about their social rights.	50	18-03-2016

5	"Program on creating an awareness for improving the status of Girl Child in Society"
	    a. Career Guidance.
	    b. Creating consciousness among Girl Child in the village about their importance role and future in Society Development.
		50	19-03-2016

6	The following measures were taken by NSS Team on " Environment Enrichment and Conservation"
	    a. Tree Plantation
	    b. Various practices to Prevent Soil Erosion.
		50	20-03-2016

7	NSS Volunteers Distributed student necessities in School.
	    a. Sitting mats/sheets
	    b. Plates/glasses
	    c. Books and stationery
	    "VALEDICTORY FUNCTION".
		50	21-03-2016

➢ **Swachch Bharath**

'Swachh Bharat' program, the brain child of Sri Narendra Modi, Hon'ble Prime Minister of India, was formally inaugurated by Dr. M. Mohan Babu, Hon'ble Chairman, SVET at A.Rangampet, a nearby village. About 12,500 persons comprising of students, members of faculty staff participated in the Program with youthful fervor and commitment.

➢ **Army green**

A Social Service Cell called "Army Green" was established on the stewardship of Sri Vishnu Manchu, CEO, SVET with the noble purpose of extending health care, sanitation and education to rural areas.

➢ **Medical camps**

As an outreach activity under Rural Health Scheme, Medical Camps are organized by SVEC regularly. A Committee of doctors examined and treated nearly 650 people from 5 villages. Free medicines were supplied for Anemia, Arthritis, Diabetes, Eye infections, Hyper Tension, Malaria and skin diseases.

➢ **Blood Donation Camps**

As a prelude to the Annual Day Celebrations of Sree Vidyanikethan Engineering College, Blood Donation Camp was organized in the campus on 19th March, 2016.

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	30.2 Acres	--	Self	30.2 Acres
Class rooms	97	1	Self	--
Laboratories	147	4	Self	--
Seminar Halls	9	-	Self	--
No. of important equipments purchased (≥ 1-0 lakh) during the current year.	**--**	--	Self	--
Value of the equipment purchased during the year (Rs. in Lakhs)	Rs. 9.82	--	Self	--
Others	Rs.4.28	--	Self	--

4.2 Computerization of administration and library

> The Institution is using an ERP solution EzSchool for complete automation of the academic, administrative and financial activities. In this year, few of the operations are switched to new Teaching- learning; attendance; automated through NIVA (Indigenously developed ERP)

4.3 Library Services:

	Existing		Newly added		Total	
	No.	Value (Rs)	No.	Value (Rs)	No.	Value (Rs)
Text Books	89191	21316466	6368	2438040	95559	23754506
Reference Books	15686	3818154	649	248476	16335	3834489
e-Books	-	-	-	-	-	-
Journals	184	257993	188	347115	372	605108
e-Journals	1397	639560	2929	1150754	4326	1790314
Digital Database	1	11500	1	11500	2	23000
CD & Video	2842	497350	96	16800	2938	514150
Others (specify)	NPTEL, DELNET					

4.4 Technology up gradation (overall)

	Total Computers	Computer Labs	Internet	Browsing Centres	Computer Centres	Office	Depart-ments	Others
Existing	1569	1300	185 mbps	-	120	30	119	-
Added	120	120	40 mbps	-	-	-	-	-
Total	1689	1420	185+ 40 mbps	-	-	30	119	-

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

Computers   : 1689

Internet Speed   : 185+ 40 Mbps

NETTLINX (185 Mbps) BSNL (40 Mbps) NMEICT-VPN over broadband

e-Journals   : 1397

(IEEE-ASPP) & POP
NPTEL are provided for faculty and students.

4.6 Amount spent on maintenance in lakhs :

   i) **ICT**   Rs. 175.90 lakhs

   ii) **Campus Infrastructure and facilities**   Rs. 2650.2 lakhs

   iii) **Equipments**   Rs. 151.4 lakhs

   iv) **Others**   Rs. 1318.6 lakhs

                         Total :   Rs. 4296.1 lakhs

CRITERION – V

5. STUDENT SUPPORT AND PROGRESSION

5.1 Contribution of IQAC in enhancing awareness about Student Support Services

The IQAC regularly in its meetings plan and review the quality of services offered in

- Periodic monitoring through anti ragging committee
- Student counselling through mentor-mentee system for enhanced employability and learning outcomes.
- Robust system for addressing disciplinary issues.

5.2 Efforts made by the institution for tracking the progression

The Institution monitors the progression of students through
- Continuous assessment systems comprising of formative and summative assessment systems
- Day to day evaluation in laboratories
- Periodic academic counselling
- Remedial sessions

5.3 (a) Total Number of students

UG	PG	Ph. D.	Others
5285	381	1	-

(b) No. of students outside the state

--

(c) No. of international students

--

No	%	
3469	61.21	Men

No	%	
2198	38.76	Women

Last Year						This Year					
General	SC	ST	OBC	Physically Challenged	Total	General	SC	ST	OBC	Physically Challenged	Total
2525	557	172	2054	-	5308	2695	607	180	2185	-	5667

Demand ratio   Dropout % **Nil**

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

Large database of study material for national and state level competitive exams

- Flexible curriculum planning to provide time for preparation for competitive exams
- Provision of Financial support for coaching to students for civil services examinations

No. of students beneficiaries   170

5.5 No. of students qualified in these examinations

NET	-	SET/SLET	-	GATE	30	CAT	03

IAS/IPS etc	-	State PSC	-	UPSC	-	Others	91

5.6 Details of student counselling and career guidance

The mentor-mentee system facilitates the counselling of all the students in academic and personal issues. Also teacher provide career guidance during counselling.

the list of pre placement talks given by the companies

No. of students benefitted   5667

5.7 Details of campus placement

On campus			Off Campus
Number of Organizations Visited	Number of Students Participated	Number of Students Placed	Number of Students Placed
24	1028	512	--

5.8 Details of gender sensitization programmes

➢ **Composition of women's cell**

Constitution of Internal Complaints Committee (ICC) for women

1. Dr. M.S. Sujatha, Professor, EEE Dept.	-	Chairperson
2. Dr. V.R. Anitha, Professor, ECE Dept.	-	Member
3. Ms. A. Sumera, Asst. Professor, GEBH Dept	-	Member
4. Ms. P. Sreedevi, Library Asst.	-	Member
5. Ms. R. Meera	-	Member (NGO)

➢ **Celebration of national and international women's commemoration days**

International Womens' Day was organized by the lady faculty members of the College on 8th March, 2015. The speakers cited several instances where the women have made an impact on gender justice and quality of life of women in the society.

➢ **Counselling of girl students**

➢ **Periodic activities conducted**

5.9 Students Activities

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

State/ University level | 156 | National level | 26 | 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	327	Rs.44,38,350
Financial support from government	2902	Rs. 14,34,65,100
Financial support from other sources (AICTE / TEQIP-II)	GATE – 32 TEQIP - 53	Rs. 43,39,000 Rs.55,04,000
Number of students who received International/ National recognitions	--	--

5.11 Student organised / initiatives

Fairs   : State/ University level [-]   National level [01]   International level [-]

Exhibition: State/ University level [-]   National level [-]   International level [-]

5.12 No. of social initiatives undertaken by the students | 8 (Through Technical Associations) |

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 one of the Nations's premier Engineering Colleges by achieving the highest order of excellence in Teaching and Research.

Mission: Through multidimensional excellence, we value intellectual curiosity, pursuit of knowledge building and dissemination, academic freedom and integrity to enable the students to realize their potential. We promote technical mastery of Progressive Technologies, understanding their ramifications in the future society and nurture the next generation of skilled professionals to compete in an increasingly complex world, which requires practical and critical understanding of all aspects.

6.2 Does the Institution has a management Information System

Yes, the Institution is using an ERP solution called EzSchool for automation. Also a new ERP solution is developed and implemented phase-wise.

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

6.3.1 Curriculum Development

- Practice of Outcome education principles
- Internalizing the concepts of blooms taxonomy for student development and evaluation
- Periodic feedback on curriculum from stakeholders such as expert from academia, industry, alumni, students and teachers

6.3.2 Teaching and Learning

- More emphasis on self and experiential learning
- Technology assisted teaching learning practices
- Continuous faculty capacity building
- Students focus groups and clubs for peer learning

6.3.3 Examination and Evaluation

- Continuous evaluation
- Diagnostic tests
- Formative tests
- Summative tests
- Assignments
- Internal and external evaluation

6.3.4 Research and Development

➢ Guidance through research mentoring committees

➢ Formation of Research clusters

S. No.	Name of the Cluster	Focus Areas	Department
1.	MEMS	• Micro Cantilevers • Bio Sensors • Energy Harvesting • Carbon Nanotubes • Gas Sensors • RF MEMS	ECE (Inter-disciplinary)
2.	VLSI & Embedded Systems	• System-on-chip Design • Reconfigurable Computing • Intelligence Systems for on board Data Processing & Control • Automotive Systems • Smart Cities, Medical & Military Applications	ECE
3.	Signal Processing	• Digital Image Processing • Radar and Lidar Signal Processing • Bio-signal Processing • Speech Signal Processing	ECE
4.	Energy Systems	• Solar, Wind & PV Integration. • Energy storage and management systems. • Energy Harvesting; • Renewable / Alternate energy • Solar Thermal Energy Technology and Energy Material Development	EEE
5.	Computer Vision	• Video Analytics • Image and Video retrieval Process	Computer Science
6.	Network Security	• Improvement of Quality of Service (QoS) • Analysis of cyber security issues • Protection method of Cyber security • Forensics analysis on Cyber attacks	Computer Science
7.	Manufacturing	• Micromachining • Tool Design • Additive Manufacturing • Development of Metal Matrix composites • Optimization Techniques	ME

S. No.	Name of the Cluster	Focus Areas	Department
		• Industrial automation • Mechatronics • Robotics	
8.	Water and Environment	• Water Resources Engineering & Management • Environmental Engineering • Water Treatment • Remote sensing and GIS	CE

➢ Research talks

Sl. No.	Faculty Name	Research Topic
1.	Dr. D.V.S. Bhagavanulu	Wall Jets
2.	Dr.K.C.Varaprasad	Micro Machining in Nano Materials
3.	Dr A.V.Satyanarayana	Wind Energy: Latest Trends and Issues
4.	Dr T.Hariprasad	Nucleate Pool boiling and various Regims
5.	Dr B.K.C. Ganesh	Applications of Rapid Prototype Technology
6.	Dr.T.Hari Prasad	Recent Power train Technology Trends & Development through Computer Aided Engineering (CAE)
7.	Dr.K.C.Varaprasad	Automation Through Pneumatics –A Paradigm Shift
8.	Sri E. Radha Krishna	Novel Refrigeration Methods
9.	Sri D.Raghurami Reddy	Optimization Techniques and case studies
10.	Mr. D. Raghurami Reddy	Advances in Heat Transfer
11.	Mr. D. Madhusudan Reddy	Industrial Automation & Robotics
12.	Mr. V. Lalithendra Nadh	Decision Making Technique for Software Architectural Design
13.	Mr. P. Dhanalakshmi	Weblog Usage Mining
14.	Mr. Ashraf Ali Shaik	Computational Thinking
15.	Mr. B. Narendra Kumar Rao	Decision making in software Design Alternatives
16.	Ms. T. Kavitha	Congestion control in MANETs using Active Queue Management
17.	Mr. B. Narendra	A Talk on Research
18.	Mr. D. N. Kartheek	Software Defined Networks
19.	Ms. C. Sushama	Top 10 tips for writing a paper
20.	Ms. N. Sri Pravalika	Psi shaped loaded meta-material Antenna for Wireless Applications
21.	Ms M Bharathi	Ex-OR link method based reversible Code converter circuits for Low Power Applications
22.	Dr. V. R Anitha & Ms.K. Sudha	Design of efficient Antennas and Guided systems
23.	Ms K Neelima & Ms M Bharathi	Low Power system on chip design using FPGA
24.	Mr. R Nagendra	Scheduling in 4G Wireless Communication Systems

25.	Mr. T Ravi Kumar Naidu	An Multilevel Approach of Robust High Capacity Audio Steganography and Cryptography using LSB Algorithms
26.	Dr. N Padmaja	Analysis of Atmospheric Radar Signals using Matched Filter
27.	Mr. D. Suresh Babu Asst. Professor	Performance Index based Contingency Ranking under Line-Outage condition incorporating IPFC
28.	Mr. U. Kamal Kumar Asst. Professor	Intelligent Technique based Fault Analysis and Location in a Distribution System
29.	Dr. M S Sujatha Professor	On-Line Monitoring of Transmission Line using Wireless Technology
30.	Mr. M.Srikanth	COMSOL 5.1 & Application Builder
31.	Ms. A.Yasmine Begum Mr.G.Hemanth Kumar	Advanced Control Engineering
32.	Dr. M.Saravanan Mr. G.V.Sunil Kumar	Recent Trends in VLSI Signal Processing
33.	Mr. C.Ravindra Murthy	Advanced Application Of MATLAB In Engineering
34.	Mr.K.Ayyappa Swamy	Short Course on Applied Digital Signal Processing
35.	Ms.P. Ratna Kamala	Effect of Coder / Decoder Circuits Failure on Performance of Linear Block Codes
36.	Mr. D. Ganesh	Improving Network Performance in Wireless Sensor Networks"
37.	Mr. B. Gurunadha Rao	Big Data Analytics
38.	Mr. K. Srinivasulu	Dynamic Shortest Path for Hyper Graphs
39.	Mr. M.V.R. Purna Kumar	Cache Scheduling Scheme for Improving Performance in Multi-Threaded Processor
40.	Mr. M. Mahendra	Reliability based routing strategy for performance optimization in distributed mobile computing through clustering
41.	Mr. V. Lokanadham Naidu	Image Processing Memory Optimization for Multi-camera Based Advanced Driver Assistance Systems
42.	Ms. V. Jyothsna	Design of Integrated Vulnerabilities Database for Computer Networks Security Analysis
43.	Mr. Shaik Munwar	Enhancing cloud computing reliability using efficient scheduling by providing reliability as a service
44.	Mr. P. Bhasha	Swapping Strategy to Improve I/O Performance of Mobile Embedded Systems Using Compressed File Systems
45.	Mr. A. Srinivasulu	Research on data mining models for the internet of things
46.	Dr. K. Ramani	An adaptive image processing system based on incremental learning for industrial applications
47.	Mr. P. Srinivasa Reddi	miniFPGA: An educational app for teaching partitioning, placemnent and routing on Andriod devices
48.	Mr. O. Obulesu	Prominence of MapReduce in Big Data Processing
49.	Mr. K. Srinivasulu	Dynamic ShortestPath for Hyper Graphs
50.	Mr. M. Mahendra	Collusive Piracy Prevention in P2P CDNs

➢ **Incentivizing faculty for better research performance**

The following guidelines are followed for offering research incentives:

a) **For Projects with provision for Institutional overhead charges**

Research Projects where there is a provision for institutional overhead charges, the Principal Investigator of the Project will be given an incentive equivalent to 50% of overhead charges by the Management.

b) For Projects without provision for Institutional overhead charges

Research Projects where there is no provision for institutional overhead charges, the Principal Investigator of the Project will be given one time incentive at the rate of 2% of Project amount sanctioned.

Incentives worth Rs.2,06,600/- were given to four deserving faculty members.

6.3.5 Library, ICT and physical infrastructure / instrumentation

- Smart class rooms
- Modern equipment and software for research.

6.3.6 Human Resource Management

- Self appraisal of faculty
- Objective metrics to assess faculty performance
- Workload distribution as per UGC/AICTE norms with consideration to administration and research besides academic work

6.3.7 Faculty and Staff recruitment

- Applicants from Benchmarked institutions are only scrutinized for recruitment
- Emphasis on research competence of the aspirants
- Recruitment through expert selection committees
- Process includes demonstration and interviews

6.3.8 Industry Interaction / Collaboration

➢ **AICTE – CII Survey**

Sree Vidyanikethan Engineering College has been participating in the AICTE (All Indian Council for Technical Education) – CII (Confederation of Indian Industry) survey of industry linked technical institutes. The outcome of the survey is mentioned below:

Year	Status	Remarks
2015	Attained **Gold status** in Engineering disciplines. Attained **Gold Status** in Emerging Engineering Institutes category	Total number of participating institutes - 2160

➢ List of expert lectures delivered by Industry experts

Sl. No.	Department	Name of the Activity Expert Lectures/ Seminars	Name of the Expert with Address	Date (s)	No. of Beneficiaries
1	ECE	Digital Communications	Mr. Dinesh Gutha, Asst. Project Leader, Auckline Communications, Bangalore.	20-01-2016	200
2	ECE	Automotive Electronics	Mr. C. Raghuram Raju, CEO, High Cloud Solutions, USA.	30-01-2016	105
3	ECE	Electromagnetic Field Theory & Transmission Lines (EMTL)	Dr. Balamati Choudhury, Scientist, CSIR, NAL.	19-02-2016	290
4	ECE	Awareness on PSU Opportunities	Mr. P. Jeeva, Sub Divisional Engineer, BSNL, Tirupati.	17-03-2016	157
5	CSSE	Frameworks in Web Technologies	Mr. Raghu Ram J, Analyst System Developer, Verizon Data Services India Pvt Ltd., Hyderabad.	12-03-2016	87
6	CSSE	Importance of SMAC & VUCA in Cloud Computing	Sathyanarayana Kola, Sr. Functional Manager Business Process Management & Operations Leader, Hewlett-Packard Global E Business, Bangalore.	05-03-2016	103
7	CSSE	Open source Automation tools and Test	Mr. Mummareddy Mahesh, Senior Software Engineer, Inmobi, Bangalore.	27-02-2016	77
8	IT	Text and Web Mining Techniques	Dr. R. C. Saritha Senior Technical Officer (E-II), C-DAC, Bangalore.	27-02-2016	993
9	IT	Web Design using ASP.NET	Mr. K. Srihari Associate Consultant, Siemens Technology and Services Pvt. Ltd., Bangalore.	26-09-2015	131
10	IT	Career Opportunities and Interview Tips	Mr. C.S.R.S. Srinivas Application Architect, ADP Pvt. Ltd., Hyderabad.	25-02-2016	110
11	ME	Recent Power Train Technology Trends & Development through Computer Aided Engineering (CAE)	Dr. Anand Gurupatham, Senior Section Manager-R&AE, Power Train Technology Development, Renault Nissan Technology & Business Center India.	10-10-2015	246
12	ME	Automation Through Pneumatics –A Paradigm Shift	Mr. E. Muralidharan, SMC Pneumatics, Thada.	12-10-2015	400
13	ME	Advances in Heat Transfer	Mr.Pankaj Kumar Singh, IOFS IES Officer, Works Manager, Heavy Vehicles Factory, Avadi, Chennai.	23-01-2016	332
14	ME	Industrial Automation & Robotics	Mr. K. Abiram Kumar Application Engineer, Axis Global Automation, Chennai.	09-02-2016	210
15	ME	Recent trends in power Plant Industries & its Expectations	Mr. A.B.J. Ravi MERC Training Academy, Chennai.	27-08-2015	300

Sl. No.	Department	Name of the Activity Expert Lectures/ Seminars	Name of the Expert with Address	Date (s)	No. of Beneficiaries
16	EIE	Latest Techniques in Biosignal Processing & Biopac Systems	Mr. Muktesh Sharma, Sales & Service Engineer, Gentech Marketing & Distribution (P) Ltd, New Delhi.	28-01-2016	102
17	EIE	Trends in Digital Signal Processors: Fundamentals to Advances	Mr. G.S. Prudvi Raj Staff Firmware Engineer Sandisk India Pvt. Ltd. Bangalore.	05-03-2016	104
18	EIE	Instrumentation Systems in Basic Science Research: Role of Engineering	Mr. K.V. Thulasi Ram Scientific Officer (E) Dept. of Nuclear and Atomic Physics, Tata Institute of Fundamental Research, Mumbai.	29-01-2016	124
19	CSE	Machine Learning and its applications in Research	Mr. Biswajith Paul, Scientist, CAIR(DRDO), Bangalore.	12-12-2015	70
20	CSE	Business Analytics & Strategy in Industry Practices	Mr. Bibekananda choudhary Associate partner, Business analytics and strategy, Global base services, Asia Pacific,IBM Bengaluru.	02-01-2016	140
21	CSE	Business education in overseas and job market insights	Mr.K.Gopi Krishna Associate Director Enrollment for South Asia, Hult International Business school Boston.	20-01-2016	260
22	CSE	Introduction and Real world of cloud computing	Mr. E. Pradeep Kumar Cloud Lead and Architect IBM India Pvt. Ltd, Hyderabad.	27-02-2016	98
23	CSE	Higher Education Opportunities for Engineering Graduates	Mr. Ch. V. Krishna Kishore TS Transco HYDERABAD.	02-04-2016	260
24	CIVIL	Assessment of Groundwater Pollution	Dr. VVS. Gurunadha Rao, Scientist, Deputy Director (Retd.), NGRI, Hyderabad.	04-03-2016	140
25	CIVIL	Self Leadership	Mr. S. Srinivasa Murthy, Chief Coach, I Power, Coimbatore.	28-03-2016	140
26	EEE	Career opportunities after Engineering	Mr. K. Barath Kumar, Executive Engineer, Crompton Greaves, Mumbai.	07-04-2016	400
27	EEE	Industry trends in Electrical Engineering	Mr. D. R. Mahammed Rafi, Executive engineer ONGC, Kumbakonam, Tamilanadu.	22-02-2016	392
28	EEE	Incubation and Startup	Mr. Sreevatsav R S S D, Software Designer,ALSTOM Transport India Ltd., Bangalore.	09-01-2016	100
29	EEE	Smart Grid and Smart Meters	Mr. D.V. Chalapathi DE, APSPDCL, Tirupathi.	01-10-2015	225
30	ECE	Innovation, Entrepreneurship and Commercialization (Seminar)	Mr. Glen Robinson, Asst. Director (IC)^2 institute , Texas university, Austin, USA.	11-03-2016	450

- ➢ **List of companies visited for placement**

  - WIPRO Technologies, Hyderabad
  - Tech Mahindra, Bangalore
  - GlobalEdge Software Ltd., Bangalore
  - SoCtronics (Off Campus)
  - Polaris Consulting and Services Ltd., Chennai
  - iDisha Info Labs Pvt. Ltd., Bangalore
  - CGI Information Systems and Management Consultants Pvt. Ltd., Hyderabad
  - CDK Global, Hyderabad
  - Amazon, Hyderabad
  - WIPRO Technologies , Hyderabad (MCA Pool Campus)
  - Mphasis, Chennai
  - Uni Tech Transfer, Germany
  - Sunrise Biztech Systems, Bangalore
  - Genpact, Hyderabad
  - VEDA IIT, Hyderabad
  - Focus Academy for Career Enhancement (FACE), Hyderabad
  - Hyundai Motor India Engineering Centre, Hyderabad
  - Syntel, Chennai
  - Uni Tech Transfer (German Centre for Automation and Robotics)

- ➢ **List of student internships/inplant training in the industry**

S.No	Company Name	Date From	Date To	No of Students
1	TTD TRANSPORT DEPARTMENT, TIRUPATI	27/06/2016	02/07/2016	6
2	ELECTRIC LOCO SHED, ARAKKONAM	22/06/2016	27/06/2016	5
3	MEENAKSHI ENERGY POWER PLANT, TIRUPATI, AP	18/06/2016	28/06/2016	1
4	MAHINDRA MOTORS, ANANTHAPUR,AP	16/06/2016	30/06/2016	1
5	BHEL, VIZAG,AP	16/06/2016	30/06/2016	4
6	ELECTRIC LOCO SHED, ARAKKONAM	16/06/2016	21/06/2016	10
7	HINDUSTAN COCA COLA BEVERAGE PVT LTD.,	10/06/2016	24/06/2016	32
8	APSPDCL, SPM SECTION, RENIGUNTA	08/06/2016	08/07/2016	5
9	SRIKALAHASTHI PIPES LIMITED, SRIKALAHASTHI MANDAL, AP	07/06/2016	14/06/2016	6
10	BHARATHI CEMENT CORPORATION PVT LTD., KADAPA .	06/06/2016	16/06/2016	6
11	VIZAG SEAPORT,VISAKHAPATNAM,AP	06/06/2016	08/06/2016	7
12	BHARATHI CEMENT CORPORATION PVT LTD., KADAPA .	06/06/2016	15/06/2016	6
13	ANDHRA PRADESH POWER DEVELOPMENT COMPANY LIMITED	06/06/2016	08/06/2016	5
14	RAYALASEEMA THERMAL POWER PLANT, KADAPA	04/06/2016	25/06/2016	4

S.No	Company Name	Date From	Date To	No of Students
15	PROMARG CONSULTANTS PRIVATE LIMITED HYDERABAD	01/06/2016	30/06/2016	15
16	VISION INDIA DAIRY PRODUCTS,MADANAPALLI	01/06/2016	15/062016	5
17	CRS RAILWAYS,RENIGUNTA	01/06/2016	15/062016	4
18	NTTPS, VIJYAWADA,AP	01/06/2016	15/06/2016	4
19	SRIKALAHASTHI PIPES LIMITED, SRIKALAHASTHI MANDAL, AP	01/06/2016	15/06/2016	12
20	HERITAGE FOODS (INDIA) LIMITED CHITTOOR (DIST.)	01/06/2016	15/062016	20
21	APGENCO,NELLORE	01/06/2016	15/062016	8
22	AMARA RAJA BATTERIES,TIRUPATHI	01/06/2016	15/062016	8
23	HERITAGE WINE INDUSTRY,BANGLORE	01/06/2016	15/062016	16
24	RAYALASEEMA THERMAL POWER PLANT,KADAPA	01/06/2016	15/062016	12
25	APGENCO,VIJAYAWADA	01/06/2016	15/062016	11
26	SRIKALAHASTI PIPES PVT LIMITED,SRIKALAHASTI	01/06/2016	15/062016	8
27	NELCAST, CHENNAI	01/06/2016	15/062016	4
28	SUJAL PIPES ,NANDYALA	01/06/2016	15/062016	4
29	VTPS,VIJAYAWADA	01/06/2016	15/062016	8
30	BHEL,HYDERABAD	01/06/2016	15/062016	4
31	GRINDWELL, TIRUPATHI	01/06/2016	15/062016	4
32	BHARATHI CEMENTS,KADAPA	01/06/2016	15/062016	4
33	VTPS,VIZAG	01/06/2016	15/062016	4
34	LARSEN & TOUBRO CONSTRUCTIONS	01/06/2016	30/06/2016	1
35	TGP & GNSS CIRCLE, TIRUPATHI	01/06/2016	30/06/2016	3
36	TIRUMALA TIRUPATI DEVASTHANAMS (TTD) TIRUMALA	30/05/2016	30/06/2016	10
37	MY HOME CONSTRUCTIONS (P) LIMITED, HYDERABAD	30/05/2016	30/06/2016	8
38	STARWORTH INFRASTRUCTURE & CONSTRUCTION LTD., BENGALURU	30/05/2016	30/06/2016	9
39	L&T CONSTRUCTIONS CHENNAI	27/05/2016	30/06/2016	1
40	EICHER HITECH MOTORS,TIRUPATI,AP	25/05/2016	01/06/2016	1
41	NCC-MAYATAS_ZVS (JV) CONSTRUCTION COMPANY LTD. HYDERABAD	25/05/2016	30/06/2016	6
42	ANDHRA PRADESH POWER DEVELOPMENT COMPANY LIMITED	25/05/2016	28/05/2016	10
43	NATIONAL INSTITUTE OF TECHNOLOGY KARNAKATAKA, SURATHKAL, MANGALORE	25/05/2016	28/05/2016	5
44	EPR CONSTRUCTIONS, KURNOOL	23/05/2016	30/06/2016	1
45	PSR BUILDERS AND DEVELOPERS, BENGALURU	23/05/2016	30/06/2016	6
46	ANDHRA PRADESH POWER DEVELOPMENT COMPANY LIMITED	23/05/2016	30/06/2016	4
47	SDSC-ISRO, SRIHARIKOTA, NELLORE.	23/05/2016	30/06/2016	3
48	SIBAR AUTOPARTS LIMITED,TIRUPATI	23/05/2016	28/05/2016	10
49	AP TRANSCO, MRT & TRE DIVISION, ANANTPURAMU	23/05/2016	30/06/2016	5
50	APGENCO, DR. NARALATATARAO THERMAL POWER STATION, IBRAHIMPATNAM	23/05/2016	30/06/2016	9
51	BHARATHI CEMENT CORPORATION PVT LTD., KADAPA .	22/05/2016	02/06/2016	6
52	SOUTHERN REGION FARM MACHINERY TRAINING AND TESTING INSTITUTE, GARLADINNE, ANANTHAPUR, AP	30/05/2016	24/05/2016	4
53	ANDHRA PRADESH POWER GENERATION	30/05/2016	12/06/2016	8

S.No	Company Name	Date From	Date To	No of Students
	CORPORATIONLIMITED			
54	DR ENTERPRISE AUTOMOTIVE PVT LTD.,UTHUKOTTAI , TIRUVALLURDIST, TN	27/05/2016	07/06/2016	6
55	HITECH MOTORS, TIRUPATI	25/05/2016	01/06/2016	6
56	BHARATHI CEMENT CORPORATION PRIVATE LIMITED, NALLAINGAYAPALLI, KAMALAPURAM, KADAPA	23/05/2016	30/05/2016	5
57	SAI BALAJI AGRO FOODS PATTABIRAMAPURAM, NATIONAL HIGHWAY, TIRUTTANI	23/05/2016	30/05/2016	5
58	SC RAILWAY, 132/27 KV TRACTION SUB-STATION, RENIGUNTA	23/05/2016	30/06/2016	10
59	SRIKALAHASTHI PIPES LIMITED,SRIKALAHASTHI MANDAL, AP	21/05/2016	28/05/2016	7
60	SRIKALAHASTHI PIPES LIMITED,SRIKALAHASTHI MANDAL, AP	20/05/2016	28/05/2016	1
61	STUP CONSULTANTS, BENGALURU	20/05/2016	30/06/2016	5
62	BSNL, HYDERABAD.	17/05/2016	31/06/2016	6
63	AMAZON.	29/02/2016	19/08/2016	2
64	BSNL, CHENNAI	15/02/2016	15/03/2016	3
65	SHAR/ISRO, SRIHARIKOTA	10/02/2016	07/03/2016	1
66	ECIL, HYDERABAD	03/02/2016	02/03/2016	8
67	ECIL, HYDERABAD	03/02/2016	01/03/2016	4
68	VISTEON, TAMILNADU	01/02/2016	29/02/2016	4
69	VIZAG STEEL, VISHAKAPATNAM	01/02/2016	02/03/2016	13
70	IITM, CHENNAI	28/01/2016	01/03/2016	4
71	ECIL, HYDERABAD	28/01/2016	29/02/2016	4
72	ISTRAC, BANGLORE	26/01/2016	26/02/2016	4
73	BSNL, TIRUPATI	25/01/2016	22/02/2016	5
74	DLRL, HYDERABAD	19/01/2016	29/02/2016	12
75	AMARA RAJA BATTERIES PVT. LTD.	18/01/2016	18/3/2016	4
76	AMAZON, INDIA	01/01/2016	07/02/2016	2
77	DEFENCE RESEARCH & DEVELOPMENT LABORATORY (DRDL), HYDERABAD.	16/01/2016	12/03/2016	5
78	ISRO TELEMETRY, TRACKING AND COMMAND NETWORK (ISTRAC), BANGALORE.	16/01/2016	12/03/2016	4
79	ELECTRONICS CORPORATION OF INDIA LIMITED (ECIL), HYDERABAD.	16/01/2016	12/03/2016	4
80	BHARAT SANCHAR NIGAM LIMITED (BSNL), CHENNAI .	16/01/2016	12/03/2016	3
81	INDIAN INSTITUTE OF TECHNOLOGY MADRAS (IIT, CHENNAI).	16/01/2016	12/03/2016	4
82	VISTEON, CHENNAI.	16/01/2016	12/03/2016	4
83	BHARAT SANCHAR NIGAM LIMITED (BSNL), TIRUPATI.	16/01/2016	12/03/2016	4
84	DEFENCE ELECTRONICS RESEARCH LABORATORY (DLRL), HYDERABAD.	16/01/2016	12/03/2016	4
85	VISAKHAPATNAM STEEL PLANT.	16/01/2016	12/03/2016	13
86	SATISH DHAWAN SPACE CENTRE (SHAR), SRIHARIKOTA.	16/01/2016	12/03/2016	1
87	ELECTRONICS CORPORATION OF INDIA LIMITED (ECIL), HYDERABAD.	16/01/2016	12/03/2016	12
88	DEFENCE RESEARCH & DEVELOPMENT LABORATORY (DRDL), HYDERABAD.	16/01/2016	12/03/2016	3
89	CONTRIBE TECHNOLOGIES PRIVATE LIMITED, HYDERABAD.	15/01/2016	15/03/2016	1
90	ALT+ T LABS, BANGALORE.	18/01/2016	31/03/2016	3
91	ALT+T LABS, INDIA.	16/01/2016	30/04/2016	3
92	BINATE TECHNOLOGIES PVT LTD., MADHANAPALLI	28/12/2015	11/07/2016	2

S.No	Company Name	Date From	Date To	No of Students
93	IDISHA INFO LABS, BANGALORE.	14/12/2015	15/03/2016	2
94	AMPHENOL INTERCONNECT INDIA PVT. LTD., BHOSARI INDUSTRIAL AREA, PUNE.	16/11/2015	15/11/2016	5
95	RELIANCE JIO, HYDERABAD.	03/11/2015	15/06/2015	1
96	SUFFIX TREE TECHNOLOGIES, BANGALORE.	03/11/2015	15/06/2015	2
97	VEDA IIT, HYDERABAD.	03/11/2015	15/06/2015	1
98	VIKRAM SARABAHAI SPACE CENTRE (VSSC), THIRUVANANTHAPURAM, KERALA.	03/11/2015	15/06/2015	1
99	AVANTTEC MEDICAL SYSTEMS (P) LTD. CHENNAI.	1/11/2015	30/05/2016	1
100	BINATE TECHNOLOGIES PVT. LTD., MADANAPALLI.	1/11/2015	30/05/2016	2
101	IBM, BANGALORE.	1/10/2015	31/12/2015	3

➢ **MoUs signed**

- IBM, Bangalore

- INFOSYS, Bangalore

- WIPRO Technologies, Banglore.

- The State Of Andhra Pradesh For Implementation of TEQIP – II Project

- TATA Consultancy Services, Mumbai

- COMP-INDIA Infotech Pvt.Ltd

- RAMP Information Technology Inc, Secunderabad

- CIVIL-AID Technoclinic Private Limited, Bangalore.

- MY HOME Constructions (P) Limited,

- SATYAVANI Projects and Consultants Private Limited,

- Quality Enhancement in Engineering Education (QEEE)

- CII - Confederation of Indian Industry.

- DEXTEROUS Technologies, Dynamics, Controls & Automation Engineering,

- Knowledge Incubation for Technical Education Centre, Indian Institute of Technology, Hyderabad

- Ravands Controls, an ISO 9001:2000 Certified Company,Chandragiri, 517101, Tirupathi, Andhra Pradesh, India

- Indian School of Business, Hyderabad &Andhra Pradesh Society for Knowledge Networks for Technology Entrepreneurship Program

- Indian Institute Of Technology Bombay

- Indian Telecom Innovation Hub- Tbi(Itih-Tbi)

- NASSCOM & APSSDC

- High Cloud Solutions, Inc. USA.

6.3.9 Admission of Students

All admissions into all courses of study in category – A and B, offered are strictly made as per the guidelines of APSCHE with due weightage to meritocracy.

6.4 Welfare schemes for

Teaching	✓ Group Insurance Policy
Non teaching	✓ 50% of fee waives in campus for employee of SVEC.
Students	✓ Student Welfare Fund for fee waivers and concession. ✓ One way travel allowance for attending conferences & workshops.

6.5 Total corpus fund generated   **Rs. 93.25 lakhs**

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	SVEC
Administrative			Yes	SVEC

6.8 Does the University/ Autonomous College declares 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?

- Revaluation
- Recounting
- Grading System
- External Evaluation
- Early publication of results online

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 contributions:**

- **Alumni interactions**

- **List of alumni chapters and meeting dates**

    About 400 alumni who are well placed in industry and corporate attended the *Recall* (12th Alumni Meet) of the College on 09th January, 2016.

    Recall Hyderabad Chapter was held on 10-10-2015.

    Recall Bangalore Chapter was held on 15-08-2015.

- **List of Alumni in Board of Studies for curriculum development**

Name of the Department	Alumni Member
Electrical and Electronics Engineering	Mr. K. Ramanjulu R & D Engineer, QUADIO Devices, Pune
Electronics and Communication Engineering	Mr. K. Sagar Product & Test Engineer, Analog Devices, Bengaluru
Electronics and Instrumentation Engineering	Mr.A.Jaswanth Competent Design Engineer, Intel India Pvt. Ltd., Bangalore
Computer Science and Engineering	Mr. Thota Madan Mohan Vice-President, Goldman Sachs Pvt.Ltd, Bangalore.
Computer Science and Systems Engineering	Mr. Krishna Prashanth T Systems Engineer, TCS, Bangalore
Information Technology	Mr. P. Sai Rahul Reddy Manager Engineering, Veveo (India) Private Limited, Bangalore
Master of Computer Applications	Mr. Krishna Pradeep Project Manager, ADP Wilco India Pvt. Ltd., Hyderabad
Civil Engineering	Mr. J. Manikanta Civil Engineer, Civil-Aid Technoclinic Private Limited, Hyderabad

6.12 Activities and support from the Parent – Teacher Association

- Parents' Meet was conducted on 27th April, 2016. About 400 parents attended the programme and interacted with the respective Student Counselors and HODs.

- Feedback on facilities

- Feedback on student progression

- Inputs on student and parent aspirations

6.13 Development programmes for support staff

> ➢ Staff Development programs in skills and communications

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

- Rain water harvesting by providing sinks in various places on the campus.
- Recycled water from the Sewage treatment plant is used for watering the trees and lawns on the campus.
- Periodic Energy audit
- Solar power units

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.

Starting of Incubation centers for start-up culture

Alumni Start-up: Alt+T Labs

Anti-Ragging Awareness Program for ragging free campus

With the theme "To respect the fellow being in a society is humanity" Dr. M. Mohan Babu, Hon'ble Chairman, Sree Vidyanikethan Educational Trust presided over the Anti-ragging Awareness Programme held on 26th August, 2015.

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

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

1. Title of the Practice: Self Learning

Objectives of the Practice:

- To enhance the learning outcomes of the student through independent learning
- To cultivate the habit of becoming a lifelong learner
- To introduce concepts at the threshold of the syllabus to make the student more updated with the current knowledge and research oriented

The Context:

The engineering education is expected to result in a career or research where the individual has to practice and solve the current real time issues. Hence the student should be a lifelong learner which can be acquired only through practice of self learning.

The Practice:

- The teachers need to be continuously develop to meet the challenge
- Continuous assessment of self learning through formative assessments

Evidence of Success:

- Increase in program outcome attainment
- Greater employability of students
- Student increased interest in higher education and research

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Problems Encountered and Resources Required

Resources Required

- Access to Online journals
- High speed internet
- Advanced computing facilities

Notes: It is increasing becoming an essential factor to really develop students to succeed in this fast changing research and industry demands.

2. **Title of the Practice:** Formation of domain/interdisciplinary research clusters

Objectives of the Practice:

- To promote interdisciplinary research in the domains of varied engineering disciplines
- To encourage researchers of different disciplines to undertake projects with external funding
- To encourage the group to publish and obtain IPR for quality research outcomes

The Context:

Today there are very less research outcomes that are contributing to the economic development of the nation. Hence the concept of interdisciplinary research to produce products and processes is highly necessary.

The Practice:

- Recruitment of teachers with experience in research
- Forming clusters of related and allied fields for interdisciplinarity
- Focus on national, regional requirements

Evidence of Success:

- Members of faculty submitting and securing projects from Central funding agencies
- Quality publications
- Filing of patents

Problems Encountered and Resources Required

Less number of members of faculty available with competence in research

Notes:

The academic research conducted at the institution not only enhances the quality of the institution but also it will have a lot of quality impact on teaching learning process

7.4 Contribution to environmental awareness / protection

Army green activities : Noble purpose of extending health care, sanitation and education to rural areas.

NSS activities on tree plantations

Event	Regular activities conducted	No. of Volunteers participated	Date & Month
1	**'Vanamahothsavam Week'**, Mass Tree Plantation	50	05-07-2015
2	Environment Enrichment and Conservation - Tree Plantation	50	20-03-2016

7.5 Whether environmental audit was conducted?   Yes | --- | No | ✔ |

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

- Institutional of Endowment Gold Medals for class toppers
- 38 Prathibha awards were bestowed to students for their outstanding academic achievement on 14th Nov. 2015. Awards included a cash prize, a certificate and a memento.
- The 4th Graduation Day of Sree Vidyanikethan Engineering College was organized on 25th July, 2015. Dr. G. Satheesh Reddy, Scientific Advisor to Defence Minister, who was the Chief Guest presented the Provisional Pass certificates under Autonomous regulations to the fourth batch of 134 M.Tech students and the Second batch of 870 B.Tech students.
- Mohana Mantra, a National Techno-Cultural Fest, was organized in SVEC Campus and about 30,000 students participated and shared their skills and expertise in various co-curricular and extracurricular activities.
- Sadhguru Jaggi Vasudev, the founder of Isha Foundation, a spiritual mystic gave an enlightening discourse amidst 1000's of students, faculty, staff, earnest seekers of truth, and various print and electronic media on 4th January, 2016. His insightful discourse ranged from scientific explorations to the depths of the human consciousness.
- **Engineers' Day:** Forty Eighth Engineers' Day was celebrated on 15th September 2015 in a befitting manner. The invaluable services by Bharat Ratna Sir Mokshagundam Visvesvaraya for Nation's Development were recalled on the occasion.
- **Yoga Awareness Program:** Yoga Awareness Program was conducted in collaboration with 'Art of Living Foundation' from 08th to 10th June, 2016 at TGR Auditorium. Most of the faculty and staff were benefited by the program.

➤ The Management extends financial support to the poor and deserving students. During 2015-16, fee concessions and waivers to the tune of Rs. 33,09,835/- were given by the Trust and about 264 students got benefited.

8. Plans of institution for next year

Extension of Autonomy:

The Autonomy for SVEC was sanctioned by UGC, New Delhi for 6 years (2010-16) and proposal for extension of autonomy was submitted on 26-11-2015.

the UGC 'Expert Committee' inspection to evaluate the performance and academic attainments for the 'Extension of Autonomous Status' for the period 2016-17 to 2021-22 is Awaited

Extension of approval By AICTE

The following proposals were submitted to AICTE, New Delhi for the academic year 2016-17 seeking:

Extension of Approval for the Existing Programs

Continuing supernumerary seats for PIO

Continuing seats for sons / daughters of NRIs

AICTE has accorded approval for the above proposals for the academic year 2016-17.

SIEMENS TSDi

The College applied for the establishment of Skill Development Entrepreneurship & Innovation in collaboration with Andhra Pradesh State Skill Development Corporation (APSSDC), Hyderabad.

In this connection, the AP State Government has selected and approved our college as one of the Technical Skill Development Institutions (TSDIs).

6 labs are going to be established shortly by APSSDC in our Campus.

Dr.B.NARENDRA KUMAR RAO
Coordinator, IQAC
Sree Vidyanikethan Engineering College
(Autonomous)
Sree Sainath Nagar, A.Rangampet

Dr. P.C. KRISHNAMACHARY
Principal & Chairman, IQAC
Sree Vidyanikethan Engineering College
(Autonomous)
Sree Sainath Nagar, A.Rangampet

Signature of the Coordinator, IQAC

Signature of the Chairperson, IQAC
Dr. P.C. KRISHNAMACHARY
B.Tech., M.E., Ph.D.
PRINCIPAL
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