



Yearly Status Report - 2018-2019

Part A	
Data of the Institution	
1. Name of the Institution	VELAGAPUDI RAMAKRISHNA SIDDHARTHA ENGINEERING COLLEGE
Name of the head of the Institution	Dr. A. V. Ratna Prasad
Designation	Principal
Does the Institution function from own campus	Yes
Phone no/Alternate Phone no.	08662582333
Mobile no.	9849599497
Registered Email	principal@vrsiddhartha.ac.in
Alternate Email	info@vrsiddhartha.ac.in
Address	Vasanth Nagar, Kanuru, Bandar Road,
City/Town	Vijayawada
State/UT	Andhra Pradesh
Pincode	520007
2. Institutional Status	
Autonomous Status (Provide date of Conformant of Autonomous Status)	27-Oct-2006
Type of Institution	Co-education
Location	Rural
Financial Status	private
Name of the IQAC co-ordinator/Director	Dr. M. V. S. Raju
Phone no/Alternate Phone no.	08662582334
Mobile no.	9885199560
Registered Email	iqac@vrsiddhartha.ac.in

Alternate Email	drmvvsraju@gmail.com
-----------------	----------------------

3. Website Address

Web-link of the AQAR: (Previous Academic Year)

4. Whether Academic Calendar prepared during the year

Yes

if yes, whether it is uploaded in the institutional website: Weblink :

5. Accrediation Details

Cycle	Grade	CGPA	Year of Accrediation	Validity	
				Period From	Period To
1	A	3.17	2013	25-Oct-2013	24-Oct-2018

6. Date of Establishment of IQAC

06-Mar-2014

7. Internal Quality Assurance System

Quality initiatives by IQAC during the year for promoting quality culture

Item /Title of the quality initiative by IQAC	Date & Duration	Number of participants/ beneficiaries
Academic Administrative Audit (AAA)	25-May-2019 2	6000
ISO Certification	11-Jun-2019 2	6000
Participation in NIRF	25-Apr-2019 1	6000
Measures taken to make the campus plastic free	15-Jun-2019 1	6000
Institutionalization of Quality Circles.	09-Nov-2018 1	6000

No Files Uploaded !!!

8. Provide the list of Special Status conferred by Central/ State Government-UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.

Institution/Department/Faculty	Scheme	Funding Agency	Year of award with duration	Amount
Velagapudi Ramakrishna Siddhartha Engineering College	Margadarshan	AICTE	2018 1095	2500000

[View File](#)

9. Whether composition of IQAC as per latest NAAC guidelines:	Yes
Upload latest notification of formation of IQAC	View File
10. Number of IQAC meetings held during the year :	2
The minutes of IQAC meeting and compliances to the decisions have been uploaded on the institutional website	Yes
Upload the minutes of meeting and action taken report	View File
11. Whether IQAC received funding from any of the funding agency to support its activities during the year?	No
12. Significant contributions made by IQAC during the current year(maximum five bullets)	
<input type="checkbox"/> Institutionalization of Quality Circles.	
<input type="checkbox"/> Measures initiated to make the campus 'Plastic Free'	
<input type="checkbox"/> Significant improvement in College Automation	
<input type="checkbox"/> Assessment of comprehensive performance of departments	
<input type="checkbox"/> Revision and approval of Quality Policy	
No Files Uploaded !!!	
13. Plan of action chalked out by the IQAC in the beginning of the academic year towards Quality Enhancement and outcome achieved by the end of the academic year	
Plan of Action	Achievements/Outcomes
Initiatives to make the campus Plastic - Free Zone. Single use plastic is banned in the campus and Canteen.	Plastic usage is reduced in the campus considerably.
Institutionalization of Quality Circles. A training programme was arranged for the benefit of faculty to implement and monitor Quality Circles, by the QCFI. Group of students from top 10 in each class were selected to engage slow learners by clarifying their doubts through discussions during special classes	Improvement in performance of slow learners is achieved
Assessment of comprehensive performance of departments is implemented from 2018 - 2019 to cultivate competitive spirit among the departments.	Healthy competition developed among the departments and resulting in more outcome with respect to many parameters relevant to Quality Assurance bodies
Revision of Quality Policy to meet the current industry requirements.	Quality Policy is revised and approved by the

	academic council and Governing body.
Adoption of Automation system with integrated data base of students and staff.	Complete student data is available online and is accessible by all stake holders as and when required. All Academic and Examination process is made available online.

No Files Uploaded !!!

14. Whether AQAR was placed before statutory body ?	No
15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?	No
16. Whether institutional data submitted to AISHE:	Yes
Year of Submission	2019
Date of Submission	22-Jan-2019
17. Does the Institution have Management Information System ?	Yes
If yes, give a brief description and a list of modules currently operational (maximum 500 words)	<p>YES, Institute currently has three MIS operational modules CMS Software Tool, BEES Examination Tool, Tally accounting software to manage general administration, autonomous system, examinations, student attendance and continuous evaluation process. Decision Making Framework: College Governing Body is the Apex body. Under its direction Academic Council, Boards of studies and Finance Committees perform their respective functionalities. The approval of the governing and other regulatory bodies is required for all the decisions taken by the Principal. The Convener of the college acts as the representative of the management. The Principal wields the power and is responsible for all financial, academic including conducting of examination and administrative matters. Principal periodically holds meetings with the Deans and Heads of departments and takes decisions related to all academic and administrative matters. These decisions align with the decisions of the statutory bodies. The Principal forwards these decisions to the regulating authorities. On their approval the decisions are informed and circulated among the heads of</p>

the departments for execution. HODs coordinate internal activities of their respective departments. General Administration: The College operates in both vertical and horizontal directions. HOD's disburse the information by conducting the faculty meetings/ through email/ SMS to the stake holders which include staff, students and their parents. Each programme is managed by a programme coordinator who works under the HOD. The Administrative Officer looks after the activities executed by clerical, programming, data entry and administrative staff. Tally software is in operation for administrative work (Payment of salaries, accountability of CL's/EL's/ML's etc and Student Records). Autonomous Section and Examination Section: Autonomous Section is headed by Controller of Examinations and is assisted by a Deputy Controller and Assistant Controllers of examinations. BEE's examination Tool Software is in operation for preexamination and postexaminations works. All the monetary transactions (both the receipts and payments) are processed through CMS online software. Student Attendance Continuous Evaluation Process: CMS - College Management Software is in operation with respect to student data, attendance and continuous evaluation process. Selection of courses is (open electives) also done through CMS. Relevant hardware is provided at appropriate places as per the requirements of MIS. Online feedback system has been taken up to foster transparency by inviting innovative ideas / suggestions for improvement in various academic and administration functions.

Part B

CRITERION I - CURRICULAR ASPECTS

1.1 - Curriculum Design and Development

1.1.1 - Programmes for which syllabus revision was carried out during the Academic year

Name of Programme	Programme Code	Programme Specialization	Date of Re
Mtech	M.Tech- CEGT	Geo-Technical Engineering	08/06/2

[View File](#)

1.1.2 - Programmes/ courses focussed on employability/ entrepreneurship/ skill development during the Academic year

Programme with Code	Programme Specialization	Date of Introduction	Course with Code	Date of Intrc
BTech	ECE	10/12/2018	17EC3451	10/12/:
BTech	IT	02/07/2018	17IT3303	02/07/:
BTech	IT	02/07/2018	17TP1306	02/07/:

BTech	IT	02/07/2018	17IT3308	02/07/:
BTech	IT	02/07/2018	17IT3351	02/07/:
BTech	IT	02/07/2018	17HS1352	02/07/:
BTech	IT	10/12/2018	17IT3401	10/12/:
BTech	IT	10/12/2018	17IT3402	10/12/:
BTech	IT	10/12/2018	17IT3404	10/12/:
BTech	EIE	02/07/2018	17EI3303	02/07/:
BTech	EIE	02/07/2018	17EI3304	02/07/:
BTech	EIE	02/07/2018	17HS2305	02/07/:
BTech	EIE	31/07/2018	17TP1306	31/07/:
BTech	EIE	02/07/2018	17EI3352	02/07/:
BTech	EIE	31/07/2018	17HS1353	31/07/:
BTech	EIE	10/12/2018	17EI3401	10/12/:
BTech	EIE	10/12/2018	17EI3402	10/12/:
BTech	EIE	10/12/2018	17EI3403	10/12/:
BTech	EIE	10/12/2018	17EI3404	10/12/:
BTech	EIE	10/12/2018	17TP1405	10/12/:
BTech	EIE	02/07/2018	17EI3306	02/07/:
BTech	EIE	10/12/2018	17EI3451	10/12/:
BTech	EIE	10/12/2018	17EI3452	10/12/:
BTech	EEE	10/12/2018	17EE3452	10/12/:
BTech	EEE	10/12/2018	17EE3451	10/12/:
BTech	EEE	10/12/2018	17EE3403	10/12/:
BTech	EEE	02/07/2018	17EE3352	02/07/:
BTech	EEE	02/07/2018	17EE3351	02/07/:
BTech	EEE	02/07/2018	17EE3303	02/07/:
BTech	EEE	10/12/2018	17TP1405	10/12/:
BTech	CE	02/07/2018	17CE3352	02/07/:
BTech	CE	31/07/2018	17HS1355	31/07/:
BTech	CE	10/12/2018	17CE3401	10/12/:
BTech	CE	10/12/2018	17CE3452	10/12/:
BTech	CE	10/12/2018	17CE3453	10/12/:
BTech	ME	31/07/2018	17TP1306	31/07/:
BTech	ME	02/07/2018	17ME3351	02/07/:
BTech	ME	02/07/2019	17ME3352	02/07/:
BTech	ME	10/12/2018	17ME3451	10/12/:
BTech	ME	10/12/2018	17ME3452	10/12/:
BTech	ME	10/12/2018	17HS1453	10/12/:
BTech	CSE	10/12/2018	17CS3405	10/12/:
BTech	CSE	10/12/2018	17CS3402	10/12/:
BTech	CSE	10/12/2018	17CS3408	10/12/:
BTech	CSE	10/12/2018	17TP1405	10/12/:
BTech	CSE	10/12/2018	17CS3453	10/12/:
BTech	CSE	18/06/2018	17CS3554	18/06/:
BTech	CSE	18/06/2018	17CS2504A	18/06/:

BTech	ECE	02/07/2018	17EC3303	02/07/2018
BTech	ECE	02/07/2018	17EC3304	02/07/2018
BTech	ECE	31/07/2018	17TP1306	31/07/2018
BTech	ECE	02/07/2018	17EC3351	02/07/2018
BTech	ECE	02/07/2018	17EC3352	02/07/2018
BTech	ECE	02/07/2018	17HS3353	02/07/2018
BTech	ECE	31/07/2018	17MC1307A	31/07/2018
BTech	ECE	10/12/2018	17EC3402	10/12/2018

[View File](#)

1.2 - Academic Flexibility

1.2.1 - New programmes/courses introduced during the Academic year

Programme/Course	Programme Specialization	Dates of Introduction
BTech	68 COURSES	02/07/2018

[View File](#)

1.2.2 - Programmes in which Choice Based Credit System (CBCS)/Elective Course System implemented at the level during the Academic year.

Name of programmes adopting CBCS	Programme Specialization	Date of implementation CBCS/Elective Course Sys
BTech	B Tech -Civil Engg	02/07/2018
BTech	B Tech -Computer Science Engg	02/07/2018
BTech	B Tech -Electronics and Communication Engg	02/07/2018
BTech	B Tech -Electrical Engg	02/07/2018
BTech	B Tech -Electronics and Instrumentation Engg	02/07/2018
BTech	B Tech -Information Technology	02/07/2018
BTech	B Tech -Mechanical Engg	02/07/2018
Mtech	M.Tech - Structural Engineering	02/07/2018
Mtech	M.Tech -Geo Technical Engineering	02/07/2018
Mtech	M.Tech -CAD / CAM	02/07/2018
Mtech	M.Tech -Thermal Engineering	02/07/2018
Mtech	M.Tech -Computer Science Engineering	02/07/2018
Mtech	M.Tech -Power Systems Engineering	02/07/2018
Mtech	M.Tech -Computer Science & Technology	02/07/2018
Mtech	M.Tech -VLSI design & Embedded systems	02/07/2018
Mtech	M.Tech -Communication Engineering & Signal Processing	02/07/2018
MBA	Master of Business Administration	02/07/2018
MCA	Master of Computer Application	02/07/2018

1.3 - Curriculum Enrichment

1.3.1 - Value-added courses imparting transferable and life skills offered during the year

Value Added Courses	Date of	Number of Stu
---------------------	---------	---------------

	Introduction	Enrolled
Dassault systems lab level A	02/07/2018	70
Dassault systems Lab - Level B	02/07/2018	3
Amazon Web Services Technical Essentials Workshop	02/07/2018	120
Design thinking	23/04/2019	4
Eastern Hemisphere Leadership Meetup , Dubai	02/07/2018	4
Siemens courses (Data given in enclosed file)	02/07/2018	1558
Two week workshop on introduction to the game development	22/10/2018	53
Foundation Training on CLAD Certificate	02/07/2018	30

[View File](#)

1.3.2 - Field Projects / Internships under taken during the year

Project/Programme Title	Programme Specialization	No. of students enrolled for Field Projects / Inte
BTech	ME	180
BTech	CE	197
BTech	CSE	208
BTech	ECE	258
BTech	EEE	235
BTech	IT	95
BTech	EIE	26
MCA	MCA	12
MBA	MBA	59

[View File](#)

1.4 - Feedback System

1.4.1 - Whether structured feedback received from all the stakeholders.

Students	Yes
Teachers	Yes
Employers	Yes
Alumni	Yes
Parents	Yes

1.4.2 - How the feedback obtained is being analyzed and utilized for overall development of the institution? (maximum 500 words)

Feedback Obtained

All the departments of Institute collects the feedback on curriculum aspects students, teachers, employers, alumni, and parents through course end survey program exit survey, employer survey and Department Advisory Board. After collecting the feedback from the stakeholders, the contents of feedback are analyzed and the important suggestions will be forwarded to the academic committees to make possible changes in the course content and structure for the design of next curriculum which will be ratified in the academic council. Feedback on career guidance facilities like training on soft skills and other placement related activities are also collected through Graduate Exit Survey to measure satisfaction level of students and to identify the necessary steps for improvement. Feedback is also collected on institutional resources and services such as class room, laboratory and computer center facilities and also on other supporting facilities and services like library, sports and games and hostels.

consolidated result will be forwarded to the appropriate departments for necessary improvements.

CRITERION II - TEACHING- LEARNING AND EVALUATION

2.1 - Student Enrolment and Profile

2.1.1 - Demand Ratio during the year

Name of the Programme	Programme Specialization	Number of seats available	Number of Application received	Student Enrolment
BTech	BTECH	1140	1160	1000
Mtech	MTECH	180	163	150
MBA	MBA	60	61	55
MCA	MCA	60	58	55

No file uploaded.

2.2 - Catering to Student Diversity

2.2.1 - Student - Full time teacher ratio (current year data)

Year	Number of students enrolled in the institution (UG)	Number of students enrolled in the institution (PG)	Number of fulltime teachers available in the institution teaching only UG courses	Number of fulltime teachers available in the institution teaching only PG courses	Number of teachers teaching UG and PG courses
2018	4996	551	282	51	333

2.3 - Teaching - Learning Process

2.3.1 - Percentage of teachers using ICT for effective teaching with Learning Management Systems (LMS), E-resources etc. (current year data)

Number of Teachers on Roll	Number of teachers using ICT (LMS, e-Resources)	ICT Tools and resources available	Number of ICT enabled Classrooms	Number of smart classrooms	E-resource techniques
333	333	68	68	9	7

No file uploaded.

No file uploaded.

2.3.2 - Students mentoring system available in the institution? Give details. (maximum 500 words)

Yes, 20 students are assigned to a faculty member at the commencement of the program. Mentors meet students and guide them with their studies and extracurricular activities. They also provide advice relating to career guidance and personal problems.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee
5547	333	1 : 20

2.4 - Teacher Profile and Quality

2.4.1 - Number of full time teachers appointed during the year

No. of sanctioned positions	No. of filled positions	Vacant positions	Positions filled during the current year	No. of faculty Ph.D
333	333	Nil	22	112

2.4.2 - Honours and recognition received by teachers (received awards, recognition, fellowships at State, National International level from Government, recognised bodies during the year)

Year of	Name of full time teachers receiving awards from state level, national	Designation	Name of the award, fellowship, received Government or recognized bodies
---------	--	-------------	---

Award	level, international level		
2018	Dr.Praveen naidu	Associate Professor	certificate of outstanding contribution from elsevier,international journal
2019	Dr.B.Venkateswara Rao	Associate Professor	Best paper award in international conference conducted by national institute of technology,rourkela
2019	Dr.S.Ramesh	Associate Professor	Received award from international association of research and development organisation
2019	Dr.Praveen Naidu	Associate Professor	IEEE PIERS CONFERENCE JUDGE
2018	Dr.S.Vasavi	Professor	Best Paper Award IEEE IEMCON 2018 Vancouver, Canada
2018	Dr. A.V.Ratnaprasad	Principal	Certificate of Excellence in teaching services
2018	Dr.P.V.R.L.Narasimham	Professor	Certificate of Excellence in teaching services
2018	Dr.B.Srinivasa Rao	Professor	Certificate of Excellence in teaching services
2018	Dr.B.Srinivasa Rao	Professor	Recognition of the review contribution to the journal
2019	Dr.B.Srinivasa Rao	Professor	Certificate of outstanding contribution in reviewing for journal

[View File](#)

2.5 - Evaluation Process and Reforms

2.5.1 - Number of days from the date of semester-end/ year- end examination till the declaration of results the year

Programme Name	Programme Code	Semester/ year	Last date of the last semester-end/ year-end examination	Date of declaration of result semester-end/ year- end examination
BTech	NA	I Sem	31/12/2018	08/01/2019
BTech	NA	II Sem	24/05/2019	03/06/2019
BTech	NA	III Sem	02/12/2018	11/12/2018
BTech	NA	IV Sem	10/05/2019	23/05/2019
BTech	NA	V Sem	11/11/2018	26/11/2018
BTech	NA	VI Sem	20/04/2019	08/05/2019
BTech	NA	VII Sem	05/12/2018	21/12/2018
BTech	NA	VIII Sem	04/05/2019	13/05/2019

[View File](#)

2.5.2 - Average percentage of Student complaints/grievances about evaluation against total number appeared examinations during the year

Number of complaints or grievances about evaluation	Total number of students appeared in the examination	Percentage
Nil	5479	

2.6 - Student Performance and Learning Outcomes

2.6.1 - Program outcomes, program specific outcomes and course outcomes for all programs offered by the

institution are stated and displayed in website of the institution (to provide the weblink)

<https://www.vrsiddhartha.ac.in/curriculum-and-syllabus/>

2.6.2 - Pass percentage of students

Programme Code	Programme Name	Programme Specialization	Number of students appeared in the final year examination	Number of students passed in final year examination	Per
PG	Mtech	CESE	16	15	
PG	Mtech	CEGT	17	17	
PG	Mtech	ITCS	4	3	
PG	Mtech	CSCS	29	26	
PG	Mtech	ECSP	11	9	
PG	Mtech	ECVE	15	15	
PG	Mtech	EEPS	10	9	
PG	Mtech	CAD/CAM	11	10	
UG	BTech	CIVIL	204	181	88
UG	BTech	CSE	212	199	93
UG	BTech	ECE	277	239	86
UG	BTech	EEE	138	129	93
UG	BTech	EIE	117	93	79
UG	BTech	IT	130	111	85
UG	BTech	ME	206	183	89
PG	MCA	MCA	54	50	92
PG	MBA	MBA	58	56	96

No file uploaded.

2.7 - Student Satisfaction Survey

2.7.1 - Student Satisfaction Survey (SSS) on overall institutional performance (Institution may design the questionnaire) (results and details be provided as weblink)

<https://www.vrsiddhartha.ac.in/student-satisfaction-survey/>

CRITERION III - RESEARCH, INNOVATIONS AND EXTENSION

3.1 - Promotion of Research and Facilities

3.1.1 - The institution provides seed money to its teachers for research

Yes			
Name of the teacher getting seed money	The amount of seed money	Year of receiving grant	Duration of grant
Total Number Teachers: 9	982650	2018	730

[View File](#)

3.1.2 - Teachers awarded National/International fellowship for advanced studies/ research during the year

Type	Name of the teacher awarded the fellowship	Name of the award	Date of award	Awarding agency
International	Dr. Zamer Ahamd	Post Doctoral Fellowship	03/12/2018	Delft University of Technology, Netherland
International	Dr. V. Praveen Naidu	CanSat Leader Training Program	07/07/2018	Nihon University, Chiba, Japan
International	Dr. N. Rajesh	Post doctoral	25/11/2018	TelAviv University

		Fellowship		Israel
International	Dr. G. Surya Narayana	PostDoctoral Fellowship	19/01/2018	Shanghai Jiao University, Shanghai, China

[View File](#)

3.2 - Resource Mobilization for Research

3.2.1 - Research funds sanctioned and received from various agencies, industry and other organisations

Nature of the Project	Duration	Name of the funding agency	Total grant sanctioned	Amount received during the
Major Projects	180	A.P.State Ware Housing Corporation, Vijayawada	7.1	7.1
Minor Projects	30	VC Managing Director, APSCSCL, Vijayawada	0.61	0.61
Minor Projects	30	A.P.State Ware Housing Corporation, Vijayawada	0.82	0.82
Minor Projects	30	A.P. State Ware Housing Corporation, Vijayawada	0.59	0.59
Major Projects	730	Indian Servers	7	7
Major Projects	1095	AICTE	25	12.5
Major Projects	60	AICTE	15.29	15.29
Major Projects	180	RVNL	5	5
Major Projects	180	HCL Technologies Ltd.	6.35	6.35
Minor Projects	60	ACE Urban Hitech City Ltd	3.6	3.6
Minor Projects	60	Grant Thornton India LLP, Hyderabad	1.08	1.08
Minor Projects	30	Sri Durga Malleswara Swamy Varla Devasthanam, Vijayawada	1.19	1.19

[View File](#)

3.2.2 - Number of ongoing research projects per teacher funded by government and non-government agencies during the years

12

3.3 - Innovation Ecosystem

3.3.1 - Workshops/Seminars Conducted on Intellectual Property Rights (IPR) and Industry-Academia Innovative practices during the year

Title of workshop/seminar	Name of the Dept.	Duration
Workshop on 'Energy audit and demand side management 'Organized in collaboration with EESL, Vijayawada IE India Limited.	EEE	13/1
Four day workshop on" Robotics using IOT"	EEE	25/0
One day workshop on 'Recent trends in Electrical Engineering' under Margadarshan Scheme of AICTE	EEE	07/1
Two Day Workshop on "Mobile Application Development"	CSE	03/1

Two Day Workshop on "Practical Cyber Security"	CSE	25/0
Guest Talk on "Industry 4.0 Tools"	CSE	17/0
One Day workshop on "Digitization Vs Digital Based Analysis" in collaboration with TCS under AICTE Margadarshan.	CSE	31/1
Three day workshop on "Cloud, Cognitive and IoT Technologies" in collaboration with Miracle Software Systems Ltd	CSE	28/1
Certificate Course on Students Industry Interface	CE	25/0
Artificial Intelligence Deep Learning	IT	28/0
Amazon Web Services Technical Essentials Workshop	IT	01/0
Business process engineering	IT	27/0
Problem solving and design thinking	IT	01/0
Introduction to Game Development	IT	05/0
Design Thinking	IT	07/0
Ethical Hacking and Information Security	IT	05/1
Advanced Technologies	IT	10/1
Tree Based Models and Applications	IT	28/1
Design Thinking	IT	12/1
Machine Learning	IT	26/1
Design Thinking	IT	31/1
Blockchain Technology	IT	31/1
Digitization and Information security	IT	31/1
Web Application Penetration Testing	IT	04/0
AI and Deep Learning	IT	26/0
AI and Machine Learning	IT	01/0
IBM Big Insights	IT	04/0
Recent trends in image and video processing	ECE	11/0

[View File](#)

3.3.2 - Awards for Innovation won by Institution/Teachers/Research scholars/Students during the year

Title of the innovation	Name of Awardee	Awarding Agency	Date of award	Cate
Smart Home	V.S.N. Lokesh, J.Sowndarya	SIDDHARTHA MAHILA KALASALA	05/03/2018	Smart
Make: Magazine, AP Innovation Society, APSCHE IT Hubs	V.S.N. Lokesh	AP Innovation Society, APSCHE IT Hubs	29/07/2018	Make Magazi: Innov Soci: APSCHE Hu
ICT Academy Student Innovator Award Telangana	N.Sravya, V.S.N. Lokesh, M.Parimala	ICT Academy	23/03/2019	ICT Ac Stu Innov Awa Telar
Project Expo - Bluetooth Car	Shaik Irfan, K Vinay	Nipuna Lakireddy Bali Reddy College Of Engineering	02/03/2019	Projec - Blue Ca
Project Expo Hand Voice Gesture Robo	M Krishna Veni, K Vinay	Usha Rama College Of Engineering And	04/01/2019	Projec Hand

		Technology , Telaprolu		Gestur
Project Expo	Y Bhavya Sri, YSravani, V Bhavana, M Keerthana	SRK Institute of Technology	15/02/2019	Projec
IOT Pollution Check Robo	Tanveer Ahmed, M Mano Satvik	VR Siddhartha Engineering College	15/09/2018	IC Pollu Check
Virtual Reality Gaming Using UNITY	M Himakar Sai Chowdary, M Venkata Sai Maneesh	VR Siddhartha Engineering College	15/09/2018	Virt Real Gaming UNI
Gesture And Voice Control Car	Shaik Irfan, K Vinay	VR Siddhartha Engineering College	15/09/2018	Gestur Voi Contrc
Smart Meter	M.Alekhyia, M.Chaitra S.Malathi Y.Tapaswini	Awarded Academic Excellenace By Jnanabheri, Knowledge Summit	20/09/2018	Smart
Xvr	K.Balaji Sk.Tasneem M.Praveen Kumar D.Balavishal	Innovation Day , VRSEC	15/09/2018	Xv
Web Design	B Kalyani, G Sruthi	SRK Institute of Technology	03/01/2019	Web D
Project Expo - Bluetooth Car	ShaikIrfan, K Vinay	JNTUK Kakinada	02/03/2019	Projec - Blue Ca

[View File](#)

3.3.3 - No. of Incubation centre created, start-ups incubated on campus during the year

Incubation Center	Name	Sponsered By	Name of the Start-up	Nature of Start- up	Dat Commer
CE	Hardisa Design Construction Private Limited Web site	Hardisa Design Construction Private Limited Web site	HardisaDesign Construction Private Limited.	Design Construction	31/12
ECE EEE EIE	Aqua SMS	<ul style="list-style-type: none"> • National Instruments Systems India Pvt. Ltd • Linkwell Telesystems Pvt. Ltd • FutureTech Instruments Pvt. • Electronic Industries Association of AP • Bharath Sanchar Nigam Limited • Effftronics Systems Pvt. Ltd 	Aqua SMS	Product Development	01/09
CSE IT	<ul style="list-style-type: none"> • Augmented Reality (AR) based Android Applications, • 	<ul style="list-style-type: none"> • World Vision Technologies, USA • Indian Servers 	NIL	NIL	01/01

IOT based Product Development in the area of Unmanned Aerial Vehicles, • Mobile Applications	Pvt, Ltd • Sedibus Technology		
--	-------------------------------	--	--

[View File](#)

3.4 - Research Publications and Awards

3.4.1 - Ph. Ds awarded during the year

Name of the Department	Number of PhD's Award
Civil Engineering	3
Computer Science Engineering	2
Electronics Communication Engineering	2
Electrical Electronics Engineering	3
Electronics Instrumentation Engineering	1
Mechanical Engineering	5
Computer Applications	1
Business Administration	1

3.4.2 - Research Publications in the Journals notified on UGC website during the year

Type	Department	Number of Publication	Average Impact Factor (any)
Null	Civil Engineering	12	4
Null	Computer Science Engineering	12	2.18
Null	Electronics Communication Engineering	13	1.74
Null	Electrical Electronics Engineering	6	0.62
Null	Electronics Instrumentation Engineering	4	3.8
Null	Mechanical Engineering	27	0.7
Null	Information Technology	12	3.4
Null	Computer Applications	12	2.9
Null	Science Humanities	11	0

[View File](#)

3.4.3 - Books and Chapters in edited Volumes / Books published, and papers in National/International Conference Proceedings per Teacher during the year

Department	Number of Publications
Information Technology	30
Mechanical Engineering	21
Science and Humanities	12
Business Administration	9
Civil Engineering	6
Computer Science Engineering	17
Electronics Communication Engineering	19
Electrical Electronics Engineering	42

Electronics Instrumentation Engineering

31

[View File](#)

3.4.4 - Patents published/awarded during the year

Patent Details	Patent status	Patent Number	Da A
Smart Glove	Published	2017410028	26/0
PA Fiber Reinforced Polyester Composites	Published	2019410015	25/0
Fully Biodegradable Composite tooth brush handle	Published	2019410023	25/0
Smart Stabilizer for Saving Energy	Published	2018410432	08/0
System and Method for detection, Tracking and Speed Measurement in Intelligent Transport System.	Published	2019410068	01/0
Method, System And Device For Protecting The Privacy Of Data	Filed	2018410295	06/0
System And Method For Detection, Tracking And Speed Measurement In Intelligent Transport Systems	Filed	2019410068	10/0
Binderless Interlocking Connector for Frudgeral and Compression Structural Members of a precast single bay frame	Filed	2019410230	11/0
Small Aperture All Metal Vivaldi Antenna For Direction Finding And Phased Array Applications	Filed	2019410260	29/0

[View File](#)

3.4.5 - Bibliometrics of the publications during the last academic year based on average citation index in Scopus Web of Science or PubMed/ Indian Citation Index

Title of the Paper	Name of Author	Title of journal	Year of publication	Citation Index	Institutional affiliation as mentioned in the publication	Number of citations excluding self
1	2018	152 publications	2018	0.94	V R Siddhartha Engineering College	144
2	2019	202 publications	2019	0.12	V R Siddhartha Engineering College	25

[View File](#)

3.4.6 - h-Index of the Institutional Publications during the year. (based on Scopus/ Web of science)

Title of the Paper	Name of Author	Title of journal	Year of publication	h-index	Number of citations excluding self citation	Institutional affiliation
72 papers	faculty of all branches	Advances in Intelligent Systems and Computing668, pp. 561 573 Advances in Intelligent Systems and ComputingKrishna Kishore, G. Rajesh, K. Advances in Intelligent Systems and Computing638, pp. 119 126 ..etc	2018	26	47	V Siddhartha Engineering College
159 papers	faculty of all branches	Ingenierie des Systemes d'Information 24(4), pp. 403410 International Journal of Scientific and Technology Research 8(9), pp. 874882... etc	2019	65	19	V Siddhartha Engineering College

[View File](#)**3.4.7 - Faculty participation in Seminars/Conferences and Symposia during the year**

Number of Faculty	International	National	State
Attended/Seminars/Workshops	30	138	58
Presented papers	171	65	3
Resource persons	1	7	8

[View File](#)**3.5 - Consultancy****3.5.1 - Revenue generated from Consultancy during the year**

Name of the Consultan(s) department	Name of consultancy project	Consulting/Sponsoring Agency	Revenue generated in rupees)
CE/ME/EEE	testing charges of soil samples	VMC	29718451

[View File](#)**3.5.2 - Revenue generated from Corporate Training by the institution during the year**

Name of the Consultan(s) department	Title of the programme	Agency seeking / training	Revenue generated (amount in rupees)
Civil Engineering	Executive Training Program on Total Station	Water Resource Department Assistant Executive Engineers	8000
Civil Engineering	Executive Training Program on Total Station	Water Resource Department Assistant Executive Engineers	8000
Civil Engineering	Two week training program on Quality Aspects in construction of buildings	APEWIDC	64660

[View File](#)**3.6 - Extension Activities****3.6.1 - Number of extension and outreach programmes conducted in collaboration with industry, community Non- Government Organisations through NSS/NCC/Red cross/Youth Red Cross (YRC) etc., during the year**

Title of the activities	Organising unit/agency/ collaborating agency	Number of teachers participated in such activities	Number of participants in such activities
Literacy Day	1 (A) EME COY NCC UNIT, VRSEC, KANURU 1 (A) EME COY NCC UNIT, VRSEC, KANURU	5	150
Awareness Programme On Waste Management Swatchtha Hi Seva	1 (A) EME COY NCC UNIT, VRSEC, KANURU	5	150
Note Books Distribution	ZPH School, Patamata	6	10
Tree Plantation	Anjaneya Swamy Temple, Ganguru	2	20
Diabetic Camp And	VRSEC in Association With	100	50

Seminar	Mohan's Diabetic Hospitals		
Clay Vinayak Ideal Distribution	NSS VRSEC	10	50
Food Donation In Old Age Home	old age home, Kanuru	2	10
Rs. 17,500.00 Worth Note Books Distribution	ECO Club, NSS ZPH School, Tadigadapa	4	10
Old Age Home Visit On The Occasion Of World Old People Day	old age home, Kanuru	2	10
Mega Blood Donation Camp (RedCross)	Red Cross, Stella College Indoor Stadium, Benzcircle	2	60
New Voter Enrollment Drive	NSS, VRSEC	15	30
Seminar On Energy Conservation	Green Energy solutions in association with ECO club and NSS VRSEC	5	30
Blood Donation And Grouping Camp	NEW CITY BLOOD BANK and NSS VRSEC	4	350
Chatrapahti Awards 2019	Swarna Vedika Foundation, Nellore	1	Nil.
Blankets and Food Distribution	NSS, VRSEC	1	10
Geometry Boxes Distribution	ECO club, ZPH School, Patamata	5	Nil.
Old Age Home Visit	Valluri Navaratnam Charitable Trust, Poranki	1	10
CATCV @ Kethanakonda, Vijayawada	3(A) RV NCC UNIT, GANNAVARAM	1	52
Independence Day Celebrations @ Srikakulam 2018	14(A) bn NCC UNIT, VIZAG.	1	2
VRSEC Independence Day Celebrations 2018	1(A) EME COY NCC UNIT, VRSEC, KANURU	40	60

[View File](#)

3.6.2 - Awards and recognition received for extension activities from Government and other recognized bodies during the year

Name of the activity	Award/Recognition	Awarding Bodies	
Awaewness program on Sanitation	Received recognition from LBRZP Girls High School, Patamata	LBRZP Girls High School, Patamata	
donating note books worth of Rs 17,500/	Received recognition from ZP High School, Tadigadapa	ZP High School, Tadigadapa	
Voluntary Blood Donations Social Service Activities	CHATRAPATHI AWARD to Dr. K.Narendra , NSS Programme officer of V R Siddhartha Engineering College.	Shivaji Youth Foundation, Sri Potti Sriramulu Nellore Dist, A.P	
Donating note books, pens and	Received recognition from KBCZP High School (Boys)	KBCZP High School (Boys)	

pencils worth of Rs 24,000/			
Awaewness program on Sanitation	Received recognition from KBCZP High School (Boys)	KBCZP High School (Boys)	

[View File](#)

3.6.3 - Students participating in extension activities with Government Organisations, Non-Government Organisations and programmes such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the year

Name of the scheme	Organising unit/Agency/collaborating agency	Name of the activity	Number of teachers participated in such activities	Number of students participated in such activities
Awareness Rally On "Swatchtha Hi Seva"	1 (A) EME COY NCC UNIT, VRSEC, KANURU	Awareness Rally On "Swatchtha Hi Seva"	5	15
International Yoga Day	NSS VRSEC	International Yoga Day	50	60
Unnat Bharat Abhiyan 2.0	PACS, China Ogirala	Unnat Bharat Abhiyan 2.0	12	16
Unnat Bharat Abhiyan 2.0	PACS, , China Ogirala	Unnat Bharat Abhiyan 2.0	12	16
Unnat Bharat Abhiyan 2.0	Excutive officer, Kanuru	Unnat Bharat Abhiyan 2.0	12	18
Unnat Bharat Abhiyan 2.0	Panchayat Secretary, Kasaranenivaripalem	Unnat Bharat Abhiyan 2.0	12	14
Unnat Bharat Abhiyan 2.0	Panchayat Secretary, Chodavaram	Unnat Bharat Abhiyan 2.0	10	15
Sanitary Napkins Distribution And Awareness Program	Eco Club, VRSEC and ZPH School, Patamata	Sanitary Napkins Distribution And Awareness Program	14	12
Sanitary Napkins Distribution And Awareness Program	NSS Vrsec, ZPH School, Patamata	Sanitary Napkins Distribution And Awareness Program	12	5
Seminar On Girls Health Problems	VRSEC Girls Hostel in Association with Anu Hospitals	Seminar On Girls Health Problems	10	5
Swachh Bharat Abhiyan 2.0	Panchayat Secretary, Ameenapuram	Swachh Bharat Abhiyan 2.0	20	45
World Restart A Heart Day	Nagarjuna Hospital and Indian society for Enestatia, VRSEC	World Restart A Heart Day	20	50
Sanitary Napkins Distribution And Awareness Program	Eco Club, VRSEC, ZPH School, Tadigadapa	Sanitary Napkins Distribution And Awareness Program	10	30
Voter Awareness Drive	NSS, VRSEC	Voter Awareness Drive	50	50
Guest Lecture On Women Wellness	Dr. Sudeepthi Vardhan, NSS VRSEC	Guest Lecture On Women Wellness	60	25
Young Voter	In association with	Young Voter	25	50

Awareness Program In Association With Eanadu	EENADU, ,VRSEC	Awareness Program In Association With Eanadu	
--	----------------	--	--

[View File](#)

3.7 - Collaborations

3.7.1 - Number of Collaborative activities for research, faculty exchange, student exchange during the year

Nature of activity	Participant	Source of financial support	D
Research	Faculty of All Branches	Institute	
Student Exchange	Students	Institute self	

[View File](#)

3.7.2 - Linkages with institutions/industries for internship, on-the- job training, project work, sharing of res facilities etc. during the year

Nature of linkage	Title of the linkage	Name of the partnering institution/ industry /research lab with contact details	Duration From	Duration To	Pa
Internships/field trips	Industry Institution Interaction	KCP Sugars, Vuyyuru, 086762 32001 Kusalava International Ltd, Autonagar , Vijayawada, 0866 247 1384 APSRTC, Zonal Workshop, Vijayawada, 08662416168 Pratap Industries Ltd, Vijayawada, 0866 284 2259 Kumar pumps motors Tenali Dr.N.T.T.P.S, ..etc	01/07/2018	30/06/2019	Li

[View File](#)

3.7.3 - MoUs signed with institutions of national, international importance, other institutions, industries, cor houses etc. during the year

Organisation	Date of MoU signed	Purpose/Activities	Number students/ particip under
ISIE, India	13/05/2019	Electric bike design and development from 21052019 to 04062019	10
OLD DOMINION UNIVERSITY, Norfolk, Commonwealth of Virginia	10/10/2018	Higher Education in Old Dominion University 13th July 2018	50
New Mexico State University	01/11/2018	Higher Education in US Universities 03082018	50
The Sedibus, Vijayawada	09/11/2018	the startups/ideas incubated at the TBI, to set up the sedibus technology business incubator	4
Teaching and Learning Center IIT, Hyderabad	25/02/2019	to promote and enhance academic interest between IITH VRSEC, to promote research and continuing education activities	Nil

K J System	20/12/2018	Training for students, Internship.	Nil
Cyber Fox Technology	04/12/2018	Training for students, Internship.	25
Pantech Proed Pvt Ltd	05/09/2018	1. IOT using ARDUINO on 10082018 2. Machine Learning using Python on 28092018 and 12102018 3. Ronotics using ARDUINO on 26th to 29th Jan 2019	54
M/S Pennar Engineering Building systems Limited	09/05/2019	Technical resource support/ faculty interaction, Internship for UG students.	Nil

[View File](#)

CRITERION IV - INFRASTRUCTURE AND LEARNING RESOURCES

4.1 - Physical Facilities

4.1.1 - Budget allocation, excluding salary for infrastructure augmentation during the year

Budget allocated for infrastructure augmentation	Budget utilized for infrastructure develop
766.41	284.08

4.1.2 - Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Added
Others	Newly Added
Number of important equipments purchased (Greater than 1-0 lakh) during the current year	Newly Added
Value of the equipment purchased during the year (rs. in lakhs)	Newly Added
Seminar halls with ICT facilities	Exist
Classrooms with LCD facilities	Exist
Seminar Halls	Exist
Laboratories	Exist
Class rooms	Exist
Campus Area	Exist

No file uploaded.

4.2 - Library as a Learning Resource

4.2.1 - Library is automated {Integrated Library Management System (ILMS)}

Name of the ILMS software	Nature of automation (fully or patially)	Version	Year of autor
Libsys	Fully	Nil	2019

4.2.2 - Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	69383	20965223	617	398355	70000	2136
Reference Books	3789	2040000	10	9500	3799	2049
e-Books	105	837533	405	112500	510	950
Journals	125	254036	2	4500	127	258
e-Journals	3	887125	2	755148	5	1642
Digital Database	4	Nil	2	Nil	6	Ni
CD & Video	950	47500	50	2500	1000	500

Library Automation	1	610450	1	415360	2	102!
Others (specify)	47	50000	15	18000	62	680

[View File](#)

4.2.3 - E-content developed by teachers such as: e-PG- Pathshala, CEC (under e-PG- Pathshala CEC (Under G SWAYAM other MOOCs platform NPTEL/NMEICT/any other Government initiatives & institutional (Learning Management System (LMS) etc

Name of the Teacher	Name of the Module	Platform on which module is developed	Date of launching e content
Dr.M.Sunetha	LMS VRSEC	Moodle	02/07/2018
Dr.D.Rajeswara Rao	LMS CSE	Moodle	02/07/2018

[View File](#)

4.3 - IT Infrastructure

4.3.1 - Technology Upgradation (overall)

Type	Total Computers	Computer Lab	Internet	Browsing centers	Computer Centers	Office	Departments	Available Bandwidth (MBPS/GBPS)
Existing	1283	920	1283	70	120	53	120	130
Added	317	317	317	0	0	0	0	130
Total	1600	1237	1600	70	120	53	120	260

4.3.2 - Bandwidth available of internet connection in the Institution (Leased line)

260 MBPS/ GBPS

4.3.3 - Facility for e-content

Name of the e-content development facility	Provide the link of the videos and centre and recording facility
Audio System: Four JBL Control X speakers, Ahuja SPA-250M 250 Watts High Power PA Amplifier, aersons 350 wireless collar mic	https://www.vrsiddhartha.ac/content-development/
Recording Facility: Panasonic HDC-MDH1 AVCHD PAL Camcorder, Tripod, Collar Mike and Centralised Storage system. 1.92 megapixel (Video), 2.16 megapixel (Image) with MOS image sensor 16.8x Optical Zoom f/1.8 - f/2.6 Aperture 2.7 inch Wide LCD Touch	https://www.vrsiddhartha.ac/content-development/
Software Used : pc pro video editor	https://www.vrsiddhartha.ac/content-development/
Media Center: Plex Media Server (Server-Client Media player)	https://www.vrsiddhartha.ac/content-development/
Smart Boards : Altop Interactive Whiteboard - Projector, Cables, Projector Mounting Kit, Slim CPU, Control panel Key Board, Cabinet, Speaker, Slim UPS, Recording Tools, Snapshot from Running Video capabilities are available	https://www.vrsiddhartha.ac/content-development/
Lecture Capturing System (LCS): Hikvision LAN camera Audio and Video with NVR System	https://www.vrsiddhartha.ac/content-development/

4.4 - Maintenance of Campus Infrastructure

4.4.1 - Expenditure incurred on maintenance of physical facilities and academic support facilities, excluding component, during the year

Assigned Budget on academic facilities	Expenditure incurred on maintenance of academic facilities	Assigned budget on physical facilities	Expenditure incurred on maintenance of physical facilities
406.45	426.51	707	427.13

4.4.2 - Procedures and policies for maintaining and utilizing physical, academic and support facilities - labor library, sports complex, computers, classrooms etc. (maximum 500 words) (information to be available in institutional Website)

MAINTENANCE SECTION: There is a centralized maintenance section which is headed by a Maintenance engineer and supported by skilled technicians. This section takes the care of maintenance of infrastructural facilities which includes plumbing works, electrical, carpentry, masonry and sewage works. The section receives maintenance requirements from the departments and other sections and undertakes the necessary work following internal operating procedures under the directions given by the concerned head of the department.

1. INFRASTRUCTURAL MAINTENANCE: Infrastructural maintenance includes maintenance of buildings, furniture and electrical facilities.

- Maintenance of the water pipe lines, sanitary fittings and minor masonry works are carried out following the internal operating procedure.
- The Department of Mechanical Engineering maintains the central workshop and fabrication facility which provides the required carpentry and other services including fabrication of cabinets, desks, counter tops and the installation of doors and windows.
- Maintenance of electrical equipment such as Generator, UPS, and Batteries is checked periodically and the condition / status of equipment are recorded in the Log Book. The suppliers/service providers are approached in case of any major fault.
- General electrical maintenance works like lighting, fans and motors in the campus are carried out following the internal operating procedure.
- Any major maintenance or replacement works related to infrastructure are executed by external people on contract basis.

2. MAINTENANCE OF IT FACILITIES:

- The functioning of college intranet and internet facility is monitored and maintained by the hardware technicians in association with Network administrator.
- Any issues/problems related to cabling/ testing of wired network and WiFi will be attended by Hardware Technicians from Computer Science department.
- Fiber Optic cable installation will be taken care by the external agency NetLinx.
- Any up gradations or modification of the existing Network Model will be carried out by external agency following central purchase procedure under the direction of CSEHOD.
- Issues related to Telephone intercom will be serviced by the technician from EC department.
- Any major maintenance works related to IT infrastructure are executed by external people on contract basis.

3. ACADEMIC FACILITIES MAINTENANCE • The Department has a faculty incharge who will periodically check the condition of class room/laboratory amenities like benches, chairs, black boards, fans, lights and LCD's. The in charge will resolve the problem following the internal operating procedure.

- Equipment in the laboratories is maintained regularly without any disturbance to the academic schedules. The inhouse maintenance and repairs are addressed by the respective department technicians who are qualified and trained.
- Computers and software in the laboratories are maintained by system/network administrators in each department.
- Major problems and repairs will be attended after consultation with the suppliers following the central purchase procedure.

MAINTENANCE OF SUPPORTING FACILITIES:

- Adequate man power is employed to maintain the cleanliness of the campus so as to provide a congenial learning environment.
- Classrooms, Staffrooms, Seminar halls and Laboratories, etc are cleaned and maintained regularly. Wash rooms and rest rooms are well maintained.

https://www.vrsiddhartha.ac.in/wp-content/uploads/2019/12/MAINTENANCE_OF_INFRASTRUCTURAL_FACILITIES.pdf

CRITERION V - STUDENT SUPPORT AND PROGRESSION

5.1 - Student Support

5.1.1 - Scholarships and Financial Support

Name/Title of the scheme	Number of students	Amount in Rupees

Financial Support from institution	Siddhartha Sahaya Scholarship	130	2090
Financial Support from Other Sources			
a) National	CSSS SCHEME	77	770
b) International	North South Foundation	41	810

[View File](#)

5.1.2 - Number of capability enhancement and development schemes such as Soft skill development, Remedial coaching, Language lab, Bridge courses, Yoga, Meditation, Personal Counselling and Mentoring etc.,

Name of the capability enhancement scheme	Date of implementation	Number of students enrolled	Agencies involved
Yoga and meditation	20/07/2018	199	Yoga trainer, Vijayawada
Personal Counselling	25/07/2018	4052	In house training
Guidance for competitive examinations	15/10/2018	646	In house training
Career Counseling	15/07/2018	1283	T and P, In house training, CONNECT CORPORATE, HYDERABAD
Soft skill development	20/07/2018	2194	In house training and TP
Remedial coaching	25/09/2018	178	In house training
Communication Skills Development	15/07/2018	1284	In house training
Bridge Courses	20/09/2018	112	In house training

[View File](#)

5.1.3 - Students benefited by guidance for competitive examinations and career counselling offered by the institution during the year

Year	Name of the scheme	Number of benefited students for competitive examination	Number of benefited students by career counseling activities	Number of students who have passed in the comp. exam	st
2018	Career Counselling/Placements/Higher Education	646	1283	82	

[View File](#)

5.1.4 - Institutional mechanism for transparency, timely redressal of student grievances, Prevention of sexual harassment and ragging cases during the year

Total grievances received	Number of grievances redressed	Avg. number of days for grievance redressal
Nil	Nil	Nil

5.2 - Student Progression

5.2.1 - Details of campus placement during the year

On campus			Off campus		
Name of organizations visited	Number of students participated	Number of students placed	Name of organizations visited	Number of students participated	Number of students placed

101	956	702	74	350	6
-----	-----	-----	----	-----	---

[View File](#)

5.2.2 - Student progression to higher education in percentage during the year

Year	Number of students enrolling into higher education	Programme graduated from	Depratment graduated from	Name of institution joined	Name of program admitted to
2018	84	B.TECH	CE/CSE/ECE/EEE/IT	THE UNIVERSITY OF ADELAIDE AUSTRALIA NICMAR HYDERABAD NICMAR PUNE, etc	MS (CONSTRUCTION MANAGEMENT) (CONSTRUCTION MANAGEMENT), M (STRUCTURES)

[View File](#)

5.2.3 - Students qualifying in state/ national/ international level examinations during the year (eg: NET/SET/SLET/GATE/GMAT/CAT/GRE/TOFEL/Civil Services/State Government Services)

Items	Number of students selected/ qualifying
NET	Nil
SET	Nil
SLET	Nil
GATE	58
GMAT	2
CAT	1
GRE	34
TOFEL	3
Civil Services	Nil
Any Other	68

[View File](#)

5.2.4 - Sports and cultural activities / competitions organised at the institution level during the year

Activity	Level	Nur Part
Intramural Competitions 68	Institutional	
Intramural Competitions 68	Institutional	
Annual Festival of Siddhartha Engineering College AFOSEC2019 Cultural Events 68	Regional	

[View File](#)

5.3 - Student Participation and Activities

5.3.1 - Number of awards/medals for outstanding performance in sports/cultural activities at national/inter level (award for a team event should be counted as one)

Year	Name of the award/medal	National/ Internaional	Number of awards for Sports	Number of awards for Cultural	Student ID number	Name of the student
2018	FIRST PLACE 371TH	National	1	Nil	178W1D2001 168W5A1018	A VAMSI RAJU A KUMAR T SURE

	POSITION INDIVIDUAL				168W5A0347 188W1A01G4 168W1A01G4 168W1A01	SANDEEP K P SAINISHITH K J
2018	M S SubbaLakshmi Award	National	Nil	1	158w1A04M0	P. Sri Hamsi
2018	PARTICIPATION	National	Nil	Nil	168W1A0251	S SEK HAR
2018	PARTICIPATION	National	Nil	Nil	168W1A0251	S SEK HAR
2018	PARTICIPATION	National	Nil	Nil	178WA1035	NNDS MANIDE
2018	PARTICIPATION	National	Nil	Nil	168w1a05g0	P SAHITH CHZ
2018	PARTICIPATION	National	Nil	Nil	178WA1035	NNDS MANIDE
2018	PARTICIPATION	National	Nil	Nil	178W1A0404	P TULASI
2018	PARTICIPATION	National	Nil	Nil	178W1A0190	PRANEETH I
2018	PARTICIPATION	National	Nil	Nil	178W5A1025	P HAREESH
2018	PARTICIPATION	National	Nil	Nil	158W1A03C1	B VENUDEE

[View File](#)

5.3.2 - Activity of Student Council & representation of students on academic & administrative bodies/commi the institution (maximum 500 words)

The college involves the students who are its primary stakeholders to the ut possible extent in most of the facets of its functioning and in such sphere activity which are statutorily permissible. It's not only for listening to v of the students but also to make them an integral part of the very functioni the units in varying degrees based on the kind of the functional unit. Level student involvement □ Academic and Administrative planning □ Discipline regul Monitoring unit □ Functioning related to career oriented activities, college Amenities Facilities □ Units of Co Extracurricular planning execution I. Aca and Administrative Planning: 1. Internal Quality Assurance Cell (IQAC) The In Quality Assurance Cell (IQAC) which looks into various quality enhancement me has the representation of student members. Different academic and studen development matters are discussed with the active participation of the stude (Excerpts of the Minutes copy enclosed) 2. Department Advisory Boards (DAB) S members have been inducted into Department Advisory Boards (DAB) in order to to their voice as far as curricular modification/ up gradation and overall development of the department is concerned. The suggestions put forward by students in the said matters with respect to curricular up gradation are take reckoning while the respective departments conduct higher rung curricular mee (Excerpts of Minutes copy enclosed) 3. Central Library: Library committee cor of student representatives. Students are given an opportunity to discuss t requirements regarding the availability of digital content, accessibility fa and such other advancement related matters, and digital up gradations ar undertaken in tune with the expectations of the students. (Excerpts of the Mi copy enclosed) II Discipline Regulatory Monitoring Unit Anti - Ragging Coordi committee Students have representation in the Anti - Ragging committee consti as per the guidelines of the UGC with internal and external members (Reven Police officials and Elite of the society) in order to ensure ragging fre environment in the college. Students are encouraged to present the stark real without any fear or favour. III Functioning related to career oriented activi College level Amenities Facilities 1 Training Placement: Students are involv TP Coordinators for assisting the Placement Cell during the recruitment driv Canteen committee: Student members are involved in Canteen Committee in orde take first hand feedback regarding the functions of the canteen. Suggestions invited from students pertaining to quality, cost , variety, etc. 3 Hostel me ambience Students take a lead role in running the mess and in overseeing t ambience of the hostels. IV Co Extracurricular planning execution: Whenever activities are organized, student committees are constituted in order that al

events get conducted in a fitting manner. When the Literary, Cultural, Sports, Technical and Nontechnical activities like the following IV (a) Cocurricular Annual Festival of Siddhartha Engineering College (AFOSEC): It is a National Technocultural festival organized during Jan/Feb every year in which students play an active role in hospitality,

5.4 - Alumni Engagement

5.4.1 - Whether the institution has registered Alumni Association?

Yes

I. Fledging and Growth Alumni Association of V.R. Siddhartha Engineering College had a modest beginning in late nineties and fortified its wings in 2003. The year marked the period of regularization in terms of its registration as a society named as VR Siddhartha Engineering College Old Students Association (VRSEOSA). The first alumni meet with a large participation was held in the college in the first month of June 2003. From 2006, every year a grand Silver Jubilee event of the respective passed out batch is being celebrated in the last week of December. Reciprocation to the Alma mater: □ The Alumni have created a corpus fund of INR 2.9 Crores, the interest of which is being utilized for various activities in the college. □ Alumni Association initiated a Scholarship programme "SIDDHARTHA SAHAAYA". Under this programme, meritorious and economically poor students are being identified and selected in the first year of their Engineering programme. Each student is awarded Rs.15,000/ per year towards the living expenses and continued for four years of the programme. Siddhartha Sahaaya scholarships started with 7 students during the academic year 200910 reached 130 students by the year 201819. III. Academic and Professional Support Alumni support the students academically and professionally in many ways like i) Permitting the students to visit their industry(entrepreneurs) ii) Internships iii) Placement iv) Curriculum development by participating in meetings of DAB, BOS Academic Council v) Delivering Lectures/Lecdemos to the students in their areas of expertise

5.4.2 - No. of registered Alumni:

9100

5.4.3 - Alumni contribution during the year (in Rupees) :

692000

5.4.4 - Meetings/activities organized by Alumni Association :

5 meetings organised

CRITERION VI - GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 - Institutional Vision and Leadership

6.1.1 - Mention two practices of decentralization and participative management during the last year (maximum 200 words)

The college practices the participative management and decentralized administrative systems with a balance between transparency and confidentiality. Each of the functionaries has specific roles and responsibilities confining to the policies of the institution. 1) Practicing decentralisation and participative management in the institution. 2) College Academic Committee (CAC) A Case Study on the Process of Curriculum Design :The process of curriculum design and review is established in consultation with the stake holder. Steps in Curriculum Design Process 1. Constitution of Boards of Studies 2. Constitution of department level committees namely Program Assessment Committee (PAC) and Department Advisory Board (DAAB) 3. Involvement of stakeholders in the design process 4. Put up all the curriculum and programme structures for the approval of Academic Council. 5. Dissemination of curriculum and programme structure The details of the process are given below: (1) Constitution of Board of Studies (BoS) Each department constitutes a BoS chaired by the HOD to review and recommend appropriate Programme structure, curricula syllabi designed by PCC and DAB. All faculty members of the department and members from Industry, Academia, chaired by HOD (i) The BoS

undertakes required deliberations and the minutes are referred to the Academic Council for ratification. (ii) Based on the decision taken at the Academic Council, Principal directs the departments to release the schema of instruction and Assessment (iii) If any reconsiderations or modifications suggested by academic council are referred back to the BOS for clarifications (iv) Consent on ratification by the academic council, the course structure and the related documents are submitted for final approval to the Governing Body (v) Implementation gets underway with the approval by the Governing Body (2) Program Assessment Committee (PAC) and DAB (Department Advisory Board) is constituted as follows. The PCC and DAB consists of 23 senior faculty members of the department and members from Alumni, Industry, Academia and Management, chaired by HOD (ii) on the deliberations of PAC DAB, new requirements are identified including infrastructural requirements, courses, and content and credit variations, (3) Involvement of stakeholders in the review process. Every department in college takes into cognizance the feedback of all the stakeholders such as students, alumni, parents, staff, employers, academic peers and RD organizations and invites suggestions. The curriculum proposed by the Boards of Studies is presented to the next Academic Council Meeting for approval. Any suggestions/changes in curriculum are incorporated with intimation to all members. The curriculum is finally submitted to the Governing Body for final approval. The new curriculum is implemented from the coming academic year. The above process ensures and transparency, participative management and decentralization at every level.

6.1.2 - Does the institution have a Management Information System (MIS)?

Yes

6.2 - Strategy Development and Deployment

6.2.1 - Quality improvement strategies adopted by the institution for each of the following (with in 100 words)

Strategy Type	Details
Research and Development	Every department has an incubation centre/ Student Project Room with necessary software and hardware facilities to encourage the students towards model/product development. The facility is open to the students beyond the college working hours. Students are also encouraged to present their innovations in the national level competitions held at premier institutes like IIT's, NIT's, Universities etc.
Examination and Evaluation	1. The courses are evaluated direct methods and indirect methods. In direct methods the evaluation is carried out on considering performance in internal examinations (2 Assignment Examination, Mid Term Examinations, Home Assignment). 3. In indirect assessment course end survey collected from the students is used which includes feedback on course outcomes. 4. Term Paper, Mini Project and Major Projects are evaluated through presentations and viva. Grades are awarded using the project rubrics framed by the department. Program outcomes are evaluated using the performance of these courses. 6. Finally, PEO's and PSO's are evaluated using the performance of program outcomes, Graduate Exit survey and Stakeholder's feedback.
Teaching and Learning	Internal Quality Assurance Cell (IQAC) is responsible for upholding and upgrading the quality standards in teaching and learning, evaluation, placements, resources, research and environmental sustenance. It initiates, plans and supervises all the above activities. IQAC audits all academic, administrative and research activities periodically. The college institutionalizes IQAC initiatives and corrective measures. Two such practices institutionalized as a result of IQAC initiatives are: 1. Barcode and automation in the examination process Examination section procured the automation software from Bees Software solutions in

	<p>year 2014. The software possesses pre post examination module automate the tasks such as Hall ticket generation, Barcode generation on OMR sheet, Scanning of marks from OMR sheet, Publishing of results in web portal and Printing of marks memos. Outcome: The barcode system improved the confidentiality of the evaluation process scanning of marks and publishing of results in the web portal reduced the time to declare the semester end examination result Institutionalization of Online Certification Courses IQAC suggested introducing certification courses in the year 2013. This was implemented in the year 2014. Students are motivated to take up online courses offered by various MOOCs platforms such as NPTEL, COURSEERA, edx, CISCO, ORACLE etc. to gain the domain and interdisciplinary knowledge. In the VR14 regulations, students are given an option to get their credits on completion of these courses. This will improve the selfstudy skills of the students and help them improve their creativity and originality. IQAC is motivating the faculty to get certified in advanced courses in their domain knowledge and in the field of outcome based education. Outcome based continuous effort of IQAC towards certification courses has resulted in receiving all India 7th rank in NPTEL. Faculty are also participating in the online certification courses both by mentoring the students and also undergoing certification.</p>
Curriculum Development	<p>1. Introduction of choice based credit system. 2. Introduction of inter disciplinary electives and selflearning electives in the curriculum. Students can complete the selflearning elective through approved MOOC platform such as NPTEL. 3. Internship is made mandatory in the curriculum. Students who are unable to attend internship can complete the Industry offered course in the department or complete the domain specific global certifications offered by industry. 4. Term paper was introduced to train the students in conducting literature survey. 5. Mini Project was introduced to develop the hardware models in the seventh semester apart from Major project in the eighth semester.</p>
Industry Interaction / Collaboration	<p>For improving the skills of students by involving industry experts and advanced technologies</p> <ol style="list-style-type: none"> 1. Siemens Centre of Excellence in collaboration with Siemens India. 2. IBM collaborative Lab in collaboration with IBM India. 3. Oracle collaborative Lab in collaboration with Oracle India. 4. CISCO Networking Academy in collaboration with CISCO India. 5. Smart Sensors and Process Laboratory (SSPL) in collaboration with University of West Alabama, Livingston, Alabama, USA. 6. Texas Instruments Microcontroller in collaboration with Texas Instruments, India. 7. NI Academy in collaboration with National Instruments India.

6.2.2 - Implementation of e-governance in areas of operations:

E-governance area	Details
Planning and Development	<p>Institute currently has three MIS operational modules CMS Software Tool, BEES Examination Tool, Tally accounting software to manage general administration, autonomous system, examinations, student attendance and continuous evaluation process. The Principal holds the power and is responsible for all financial, academic and administrative matters. The Principal is conducting of examination and administrative matters. The Principal periodically holds meetings with the Deans and Heads of departments and takes decisions related to all academic and administrative matters. These decisions align with the decisions of the statutory bodies. The Principal forwards these decisions to the regulatory authorities. On their approval the decisions are informed and circulated among the heads of the departments for execution. The Principal coordinate internal activities of their respective departments.</p>
Administration	<p>The College operates in both vertical and horizontal directions.</p>

	HOD's disburse the information by conducting the faculty meet through email/ SMS to the stake holders which include staff students and their parents. Each programme is managed by a pro coordinator who works under the HOD.
Finance and Accounts	Tally software is in operation for administrative work (Payme salaries, accountability of CL's/EL's/ML's etc and Student Rec
Student Admission and Support	The Administrative Officer looks after the activities execute clerical, programming, data entry and administrative staff. (College Management Software is in operation with respect to st data, attendance and continuous evaluation process. Selectio courses is (open electives) also done through CMS. Relevant ha is provided at appropriate places as per the requirements of Online feedback system has been taken up to foster transparen inviting innovative ideas / suggestions for improvement in va academic and administration functions.
Examination	Autonomous Section is headed by Controller of Examinations ar assisted by a Deputy Controller and Assistant Controllers examinations. BEE's examination Tool Software is in operatio preexamination and postexaminations works. All the monetar transactions (both the receipts and payments) are processed th CMS online software.

6.3 - Faculty Empowerment Strategies

6.3.1 - Teachers provided with financial support to attend conferences / workshops and towards membership professional bodies during the year

Year	Name of Teacher	Name of conference/ workshop attended for which financial support provided	Name of the professional body for which membership fee is provided
2018	V N Prudhvi Raj	AICTE Stake Holders Workshop, Chennai	NA
2018	Dr K Naga Malleswara Rao	One day conference on Developing Entrepreneurship at Vishakapatnam	NA
2018	Ch Raghavendra	presentation at Interna national conference inside India	NA
2018	Ch Baby Rani	International Conference Participated presidency university at Bangalore 67,2018	NA
2018	P Satyanarayana	paper presentation at International confrenece inside India	NA
2018	B Venkateswara Rao, M V Rajesh	IEEE conference organised by GRT institute of engineering and technical, Chennai during 7/9 8/9/18	NA
2018	Dr B Hari Babu	2nd International coference on research trends in Engineering, applied science and management on 23/9/2018	NA
2018	A Mallikarjuna Rao	International Conference on Intelligent Computing (ICIC2018, Organizing by Amrita School of Eng. Bangalore on 25 27/10/2018	NA
2018	Ch SVS Phani Kumar	presenting paper in IEEE conference	NA
2018	A Veera Reddy	IEEE international confrence on Electronics, Communication and aerospace technology held on 29/3 31/3/18	NA

2018	Gudapati S P Kumar	international confrence organised by PSCMR college of engineering Technology, Vijayawada	NA
2018	Dr V Srinivasa Rao	International conference at Tirupathi, Dept of CSE.	NA
2018	Dr N V Seshagiri Rao	international conference (IC Mag MA 2018) was held at National Institute of Science Education and research (NISER Bhuvanesar) during 9/12/18 to 13/12/18	NA
2018	A R V Pratap	paper accepted for Scopus index journal at CMR institute of Engineering Technology, Hyderabad on 21.12.18 22.12.18	NA
2018	P Yogananda Reddy	international conference on recent trends in electronics, information communciation technology (RTEICT2018)	NA
2018	K Narendra	attending confrence for oral presentation of recent trends in material science organised by Physics, Annamalai University, Chennai on 19/12 20/12	NA
2018	Ch Kavitha	attending confrence for oral presentation of recent trends in material science organised by Physics, Annamalai University, Chennai on 19/12 20/12	NA
2018	M D Bhavani	attending confrence for oral presentation of recent trends in material science organised by Physics, Annamalai University, Chennai on 19/12 20/12	NA
2018	M Sri Lakshmi	attending confrence for oral presentation of recent trends in material science organised by Physics, Annamalai University, Chennai on 19/12 20/12	NA
2018	J V D Prasad	International conference on advances in computing communication technologies ICACCT 2018 held in CMR institution	NA
2018	Y Sandeep	international confrence in big data analytics from 18/2 to 21/2/19 by NIT Warangal	NA
2018	J Ranga Rao	international confrence on Electrical communication, Electrincs, instrumentation company (ICECEIC2019) by Chandrasekharendra saraswathi viswa	NA
2018	Dr B Hari Babu	2nd international confrence on emerging trends in engineering science management (ICEESM2018) at RGM college at Nandyal on 21/12 22/12/18	NA
2018	J Hari Krishna	International conference at PBSIT on Recent Innovations in computer science technology (ICRICT 2019) on 25/1/2019	NA
2018	B Lakshmi	International conference at PBSIT on Recent Innovations in computer science technology (ICRICT 2019) on 25/1/2019	NA
2018	Premchand	IEEE International conference at SVS college of Engineering, Coimbatore from 20/2 to 22/2/19 on Tapened slot Antenna Covering 618 GHz for electronic warfare applications	NA

2018	Durga Prakash	IEEE International conference at IIT Hyderabad on Modeling of systems circuits and devices at IIT Hyderabad	NA
2018	S P Kumar	2nd International conference on contemporary engg technology 2018 organized by PSCMR college of engg Tech,	NA
2018	A Sumalatha	workshop on smart systems on 21/3 to 23/3 at AN College, Visakhapatnam	NA

[View File](#)

6.3.2 - Number of professional development / administrative training programmes organized by the Colleges teaching and non teaching staff during the year

Year	Title of the professional development programme organised for teaching staff	Title of the administrative training programme organised for non-teaching staff	From date	To Date	Number of participants (Teaching staff)	Number of participants (Non-teaching staff)
2018	WORKSHOP/FDP/SEMINAR/GUEST LECTURE/JOB ORIENTED COURSE etc.	VRSECONLINE AUTOMATION SOFTWARE TRAINING	24/08/2018	25/04/2019	5060	

[View File](#)

6.3.3 - No. of teachers attending professional development programmes, viz., Orientation Programme, Refresher Course, Short Term Course, Faculty Development Programmes during the year

Title of the professional development programme	Number of teachers who attended	From Date	To date
WORKSHOP/FDP/FTP/SEMINAR etc.	Nil	05/07/2018	22/06/2019

[View File](#)

6.3.4 - Faculty and Staff recruitment (no. for permanent recruitment):

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
333	333	142	142

6.3.5 - Welfare schemes for

Teaching	Non-teaching	Students
<input type="checkbox"/> Health card issued to the employees to get treatment at Pinnamaneni Siddhartha Institute of Medical Sciences, Gannavaram (Sister concerned institution) at discounted prices <input type="checkbox"/> Laptops are provided to faculty members with a subsidized price <input type="checkbox"/> Facilitated Employee's cooperative society for credit and thrift which provides loans up to 5 Lakhs at low interest rate. <input type="checkbox"/> All the regularised teaching staff members covered under	<input type="checkbox"/> Health card issued to the employees to get treatment at Pinnamaneni Siddhartha Institute of Medical Sciences, Gannavaram (Sister concerned institution) at discounted prices. <input type="checkbox"/> 50 contribution for Synd Arogya scheme for a policy of Rs.1 Lakh is provided by the institute. <input type="checkbox"/> Facilitated Employee's cooperative society for credit and thrift which provides loans up to 2 Lakhs at low interest rate. <input type="checkbox"/> All the regularised staff members are covered under Employees Provident Fund Scheme and gratuity <input type="checkbox"/> Siddhartha Kalapeetham scholarship is provided for children of	<input type="checkbox"/> Siddhartha Sahasrabudhi is provided for poor meritorious students <input type="checkbox"/> Subsidized food canteen <input type="checkbox"/> Medical Treatment Pinnamaneni Siddhartha Institute

<p>Employees Provident Fund Scheme and Group savings linked insurance scheme (GSLI). <input type="checkbox"/> Maternity Leave for female staff members <input type="checkbox"/> Halfpay medical leave for staff members <input type="checkbox"/> Special casual leaves are sanctioned for attending conferences and workshops <input type="checkbox"/> Study leave is granted for higher education and qualification improvement <input type="checkbox"/> Providing Registration fees, Dearness allowance, Travel grants for faculty attending conferences and workshops. <input type="checkbox"/> Incentives for RD activities. <input type="checkbox"/> Subsidized food at canteen</p>	<p>nonteaching staff whose parental annual income is Rs.1 Lakh. <input type="checkbox"/> In the event of death of an employee in service, his/her dependant will be considered for employment on compassionate grounds, depending upon the merit of the case, limited to the cadre Junior Assistant, subject to eligibility of the individual concerned and the availability of vacant posts. <input type="checkbox"/> Maternity Leave for female employees <input type="checkbox"/> Halfpay medical leave for staff members <input type="checkbox"/> Employee Staff Insurance (ESI) scheme is provided for the staff members having salary less than 21,000/ per month. <input type="checkbox"/> Uniform is provided at free of cost to the class - IV employees. <input type="checkbox"/> Subsidized food at canteen.</p>	<p>Med: Scier Ganna (Si: conce instit a disco pri</p>
--	---	---

6.4 - Financial Management and Resource Mobilization

6.4.1 - Institution conducts internal and external financial audits regularly (with in 100 words each)

The institute conducts internal and external audits on the financial transaction every year. Internal audits are conducted twice in a year. College has full Sr. Accountant to maintain annual Income and expenditure statements and balance sheet. M/s Rajeswar and Co., Vijayawada is the appointed external auditors for college. External audit is conducted once in a year.

6.4.2 - Funds / Grants received from management, non-government bodies, individuals, philanthropies during year(not covered in Criterion III)

Name of the non government funding agencies /individuals	Funds/ Grants received in Rs.	Purpose
<p>1. M/S Power Mech Foundation, Vijayawada 2. Sri Myneni Ranga Rao Smt. Myneni Prasunamba 3. Dr. Narla Tata Rao Memorial Scholarship 4. V.Venkata Ramaiah and A.Ramakrishna Rao Memorial Cash award 5. Siddhartha Sashay Scholarship 6. Siddha</p>	2201250	<p>1. Veerla Eswar Kumar 2. Galla Varshita Marks in 3/ 4 B.Tech Mechanical) Kota R Shankar Best Outgoing Student in CSE) T.I (Best Outgoing Student in EEE) 1. Yendan Deemanth (Highest Percentage of Marks in B.Tech Mechanical) 2. Bommadevara Prudh (Highest Percentage of Marks in 1/4 B.T Mechanical) 130 students (Given to children nonteaching staff , Those are best in academics Given to merit students whose parents income less than 12000</p>

[View File](#)

6.4.3 - Total corpus fund generated

0

6.5 - Internal Quality Assurance System

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

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	Yes	Nil	Yes	HOD and ISO 1 AUDITORS
Administrative	Yes	ISO (TUV SUD) South Asia External Experts	Yes	HOD and ISO 1 AUDITORS

6.5.2 - Activities and support from the Parent - Teacher Association (at least three)

- 1) Annual informal meetings to identify the issues related to students 2) Re meetings with parents for improving quality of students 3) Identification problems and counseling of students

6.5.3 - Development programmes for support staff (at least three)

- 1) Training programme on MIS Online software

6.5.4 - Post Accreditation initiative(s) (mention at least three)

Post accreditation initiatives in Academic Enhancement

1. Curriculum a. Introduction of choice based credit system. b. Introduction of inter discipl electives and self learning electives in the curriculum. Students can comple self learning elective through approved MOOC platform such as NPTEL. c. Internships is made mandatory in the curriculum. Students who are unable to internship have to complete the Industry offered course in the department complete the domain specific global certifications offered by the industry Term paper was introduced to train the students in conducting literature su e. Mini Project was introduced to develop the hardware models in the sever semester apart from the Major project in the eighth semester.
2. Evaluation courses are evaluated by direct methods and indirect methods. In direct met the evaluation is carried out on considering the performance in interna examinations (2 Assignment Examinations, 2 Mid Term Examinations, Home Assignment). b. In indirect assessment course end survey collected from t students is used which is a feedback on course outcomes. c. Term Paper, M Project and Major Projects are evaluated through presentations and viva. Gr are awarded using the project rubrics framed by the department. d. Progr outcomes are evaluated using the performance of these course outcomes. e. Fi PEO's and PSO's are evaluated using the performance of program outcomes, Gra Exit survey and Stake holder's feedback.
3. Incubation Centres/Student Pro Room a. Every department has an incubation centre/ Student Project Room w necessary software and hardware facilities to encourage the students towa model/product development. b. The facility is open to the students beyond college working hours. c. Students are also encouraged to present their innovations in the national level competitions held at premier institutes IIT's, NIT's, University Colleges etc.
4. Industry Collaborative Labs a. Si Centre of Excellence in collaboration with Siemens India. b. IBM collaborati in collaboration with IBM India. c. Oracle collaborative Lab in collaboratio Oracle India. d. CISCO Networking Academy in collaboration with CISCO India Smart Sensors and Processing Laboratory (SSPL) in collaboration with Univers West Alabama, Livingston, Alabama, USA. f. Texas Instruments Microcontrolle in collaboration with Texas Instruments, India. g. NI Academy in collabora with National Instruments India.
5. Quality of Publications Faculty are enco to publish the papers in the journals indexed in SCI, SCOPUS, DBLP database UGC recognised journals. A total of journals were published by our faculty reputed journals indexed in the above databases. The incentives are provide the faculty for their quality publications.
6. Placements a. The college strong by industry relations and placement department to assist

6.5.5 - Internal Quality Assurance System Details

a) Submission of Data for AISHE portal	3
b) Participation in NIRF	3
c) ISO certification	3
d) NBA or any other quality audit	3

6.5.6 - Number of Quality Initiatives undertaken during the year

Year	Name of quality initiative by IQAC	Date of conducting IQAC	Duration From	Duration To	Nurr parti
2019	Participation in NIRF	25/04/2019	25/04/2019	25/04/2019	6

2019	ISO Certification	11/06/2019	11/06/2019	11/06/2019	6
2019	Academic Administrative Audit (AAA)	25/05/2019	25/05/2019	25/05/2019	6
2018	Institutionalization of Quality Circles	09/11/2018	09/11/2018	09/11/2018	6
2019	Measures taken to make the campus	15/06/2019	15/06/2019	15/06/2019	6

No file uploaded.

CRITERION VII - INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 - Institutional Values and Social Responsibilities

7.1.1 - Gender Equity (Number of gender equity promotion programmes organized by the institution during t

Title of the programme	Period from	Period To	Num Parti
			Fema
Women wellness program	30/03/2019	30/03/2019	54
Women's day celebrations	08/03/2019	08/03/2019	90
Feminine hygiene products awareness program	25/02/2019	25/02/2019	15
Anti eve teasing awareness programme with She team and Shakti team	22/02/2019	22/02/2019	150
Self confidence and self defence orientation programme for girls with She team and Shakti team	22/02/2019	22/02/2019	210
Stress management for working women	02/02/2019	02/02/2019	44
Behaviour and life skills for girl students	31/01/2019	31/01/2019	45
Ladyoo 2019	29/12/2018	29/12/2018	200
Pharmacists for a Healthy India	22/11/2018	22/11/2018	150
Depression in School/College students by SPARSH (Students of PSIMS to achieve Awareness and Reach out to Social and Sustainable Health)	05/11/2018	05/11/2019	500
Seminar on Girls Health Problems	08/09/2018	08/09/2018	86
Adolescent care and personal hygiene Awareness	06/09/2018	07/09/2018	92

7.1.2 - Environmental Consciousness and Sustainability/Alternate Energy initiatives such as:

Percentage of power requirement of the University met by the renewable energy sources
Power requirement met by renewable energy sources: 4,44,256 kWh Total power requirement kWh: 10,54,856 Renewable energy source: Solar Percentage of power by renewable energy source 42.16

7.1.3 - Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of bene
Braille Software/facilities	No	Nil
Rest Rooms	Yes	21
Scribes for examination	Yes	5
Special skill development for differently abled students	No	Nil
Physical facilities	Yes	21
Provision for lift	Yes	500
Ramp/Rails	Yes	21

7.1.4 - Inclusion and Situatedness

Year	Number of initiatives to address locational advantages and disadvantages	Number of initiatives taken to engage with and contribute to local community	Date	Duration	Name of initiative	Issues addressed	Nur parti stude s
2018	1	1	23/08/2018	1	Diabetic camp and seminar	To improve quality of diabetes care, particularly in relation to maternal health during pregnancy, as well as diabetic foot care. In addition the project also aims to address prevention through health promotion at the workplaces, schools and in commu	
2018	1	1	15/09/2018	1	Engineers day celebrations	To inculcate the habit of developing technical models and exhibit them for local school and college students to expose their talents and skills	
2019	1	1	30/03/2019	1	ITAAP Amaravathi IT Fest	Around 96 companies and 78stalls are arranged for 10,000 participants	1
2018	1	1	29/11/2018	1	Seminar on Energy Conservation	The main aim is to create awareness on reducing electric power consumption using different energy conservative methods	
2018	1	1	23/10/2018	1	World Restart A Heart Day	A FIRST AID on a heart attack is a medical emergency. The sooner the	

						person gets first aid, the better the chance of survival. Prompt medical treatment to reduce the amount of heart damage.
--	--	--	--	--	--	--

No file uploaded.

7.1.5 - Human Values and Professional Ethics

Title	Date of publication	Follow up(max 100 words)
Code of conduct Handbook for students, teaching and administration	10/10/2019	Handbook was initially published 5/3/1981. There after handbook periodically updated.
Core values of the Institution	10/10/2019	Handbook was initially published 5/3/1981. There after handbook periodically updated.

7.1.6 - Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Nu part
International Yoga Day	21/06/2019	21/06/2019	
Mud Vinayaka idol distribution in VRSEC. Prepared by EIE and CE volunteers	12/09/2018	12/09/2018	
World youth skills day (WYSD)	15/07/2018	15/07/2018	
Induction Programme for First Years	10/07/2018	28/07/2018	

No file uploaded.

7.1.7 - Initiatives taken by the institution to make the campus eco-friendly (at least five)

• Solid Waste Management - Establishment of Compost Pit
• Plastic Free Campus
• Increase in Plantation greenery area
• Replacing the conventional electrical energy with solar energy
• Rainwater harvesting
• Environmental Audit was done in April 2019

7.2 - Best Practices

7.2.1 - Describe at least two institutional best practices

Best Practicel 1. Title of the Practice : Performance Based Appraisal Sys
Performance Based Appraisal System (PBAS) is an open, formal, and systema
procedure designed to assist both employer and employees in planning, manag
evaluating and realizing performance improvement in organization with an ai
achieving organizational goals. The college has developed PBAS to confident
evaluate the annual academic and Professional contributions of faculty and
implemented since 201314. 2. Objectives of the Practice • To measure th
performance of employees, provide feedback and assist them to improve the
potential. • To maintain records for the consideration of pay enhancemen
promotions, special incentives etc. • To identify distinctive academic taler
nurture it towards further advancement. • To improve teaching learning proc

student projects, model developments and Innovation. • To obtain better Indu and sponsored research and quality publications • To improve faculty acade qualifications and certification through online courses. • To improve i participation and organising Conferences/STTP/FDP/Seminar/ Workshop in assoc with premier institutions /research organisations and industry. • Participat administrative activities both at department, institute level and also i Cocurricular and Extracurricular Activities. 3. The Context The rapid technological advancements in academic and research environment of highe educational Institutions demand multidimensional participation of facult; Industry and regulatory body requirement, UGCCAS promotional guidelines have considered in the design. • Ineffective use of ICT Tools and online certific for effective Teaching learning process • Less III and no. of MOU's with Ind • Less number of publications in peer reviewed journals. • Less participati faculty in CEP's outside the institutes. • To improve motivation for RD prop • Some faculty are reluctant to participate in administrative acitivities. following are the contextual features addressed in the design and implement of PBAS. • Accountability: Individual employee is accountable for his/he performance and resources allocated for each activity. • Participation: Inv employee in the process of setting up of objectives and achieving the target • Motivation: Through the evaluation of employees, performance and efficienc be determined by the targets achieved. This very well motivates a person improve further. • Documentation: Helps the employee to generate require evidences for submission to PBAS which in turn will help the department maintain records. • Goal setting: PBAS helps the employee to understand his role thus creating commitment in achieving personal as well as organizatio goals. 4. The Practice PBAS evaluation is based on various parameters such Curricular, CoCurricular, Extracurricular, RD and Administrative activitie 1000 point scale. The weightage taken into consideration during the assessme evaluation of these parameters varies depending on the cadre of the faculty. format is updated periodically based on the expectations of regulatory bod Departmental Faculty Assessment committee (DFAC) is constituted by the Prin with four faculty members from different departments with a chairmanship of professor. This committee evaluates all the faculty in the college and the f have to submit the necessary evidences during evaluation of the filled forma filled PBAS forms are scrutinized meticulously by the Appraisal Screenin Committee (ASC) comprising of Principal as the Chairman, the DEANS as member the Chairman DFAC as the member and submitted to the Faculty Assessment Bc (FAB). Principal generally concurs with the DFAC committee's API score unl there is an obvious, abnormal and deliberate hike or lowering of API score receives a representation from the faculty member seeking justice. If the f score falls below the minimum level the faculty is counselled for improve Evidence of Success This practice made all the faculty to be alert and du conscious in fulfilling the guidelines and satisfying the goals. It also mot to become good teachers. In addition the college is experiencing • Improv academic culture among the faculty and participation in research and administrative activities. • Use of ICT tools and MOODLE for effective tea learning process. • Initiation of Innovative model development practices. • than 120 faculty are NPTEL certified and institute received all India 7th ra NPTEL. • Considerable improvement is observed in Research publications in reviewed indexed journals during last 5 years. • Most of the faculty ar participating and organising FDPs, Workshops, Seminars, Guest lectures a Conferences. • Faculty along with students are participating in extension societal activities like Blood donation camps, Tree plantation, donations t age home and orphanages, social awareness camps in nearby villages. • Th Institutional ranking and accreditation is the evidence of successful implementation of PBAS since 201314. 6 Problems Encountered and Resources Re Problems Encountered • Manual evaluation of huge number of faculty involves time and effort. Resources Required • Automation is needed to reduce the ti every step. Best Practice - 2 1. Title of the Practice: Technical Model Development "An ounce of action is much worth than a ton of theory". The a saying is much relevant to Engineering Education. The students of VRSEC a

encouraged to transform their innovative ideas into technical models and exhibit in Engineers day /Innovation day celebrations organised in the institute annually. The identified best models are promoted to exhibit in the events organised at national level prominent outside institutions/organisations.

2. Objectives of Practice

- To improve the technical skills of a student and enhance creativity and innovation.
- To apply knowledge and skills to identify and solve societal and industrial related problems.
- To convert the prototype into a commercial model leading to entrepreneurship development.

3. The Context The revolutionary change in Science, Engineering and Technology has completely changed the measure of success of a student from theoretical to applied knowledge. There is a huge transformation from theoretical/analytical projects to projects leading to solutions of real time problems. These aspects direct the technical institutes to extend the teaching learning process towards more practically oriented courses/activities. Innovation, incubation and IPRs are becoming the key performance indicators for the national / global recognition of technical institutes. In the present scenario, to meet the objectives of National Education Policy 2020, Make In India, the students need to acquire both product development and entrepreneurship skills.

- Lack of solutions for societal Problems.
- To bring out the inherent talent (or) IQ

4. The Practice

- Students from the 2nd year are identified to develop or fabricate innovative technical models under the guidance of faculty members.
- Idea churning sessions are organised by inviting industry experts and Alumni Entrepreneurs.
- The major uniqueness in this practice is the faculty and student together to update their knowledge.
- The faculty will help to guide the students to develop the innovative models. The students are encouraged to plan and prepare proposals in the field of their interest.
- Encourages student to work beyond the syllabus in every laboratory course.
- Majority of laboratories are equipped with latest tools for implementation.
- All the completed projects are examined by a team of faculty members.
- Viable projects are financially supported for fabrication, testing and also for patenting.

Departmental research groups help in taking up mini/major projects by students in developing working models.

- Incubation centres are established for model making with required facilities in every department.
- Provision in Budget proposal for financial support for model making.
- At least two models may lead to Patent each dept. in a year from this Platform.
- The same labs may be extended to other departments.

5. Evidence of Success

- 40% of the student projects are practically oriented than theoretical studies.
- Students and faculty are oriented to solve and provide feasible solutions for the society's real time problems.
- Students are participating in industry driven National / Global level student Competitions like TCS - CODEVITA, NATIONAL INSTRUMENTS The Annual Student Design Contest (NIYANTRA), CISCO Global Problem Solver Challenge, TEXAS INSTRUMENTS Hackthons etc., and getting rewards and job opportunities.

6. Problems Encountered and Resources Required

Problems Encountered

- Inadequate modern and advanced equipment
- Less expertise in advanced areas.
- Better coordination among departments is needed which leads to develop interdisciplinary models.

Resources Required

- Modern tools and equipment are to be procured.
- Training for faculty and students by experts from industry.
- Additional financial support in the form of seed money.
- Encouragement / Incentives to both supporting faculty and student prize winners
- Creating awareness to students by inviting experts from relevant fields
- Departmental Faculty mentors to guide, encourage and support the students.
- College Cell Coordinator updates the information of competitions through Notice boards / Web site

Upload details of two best practices successfully implemented by the institution as per NAAC format in the institution website, provide the link

<https://www.vrsiddhartha.ac.in/wp-content/uploads/2019/12/INSTITUTIONALBESTPRACTICES.pdf>

7.3 - Institutional Distinctiveness

7.3.1 - Provide the details of the performance of the institution in one area distinctive to its vision, priority thrust in not more than 500 words

INSTITUTIONAL DISTINCTIVENESS: Industry Collaborative laboratories Centres

Excellence The Institute has set up industry collaborative labs and centre Excellence under Industry Institute interaction program for training, skill upgradation and placement of students in thrust areas to realise the objective Outcome Based Education. A total of 17 different laboratories were established the details of laboratories and the training activities involved are described below.

INDUSTRY COLLOBARATIVE LABORATORIES

- 1. CISCO NETWORKING ACADEMY**
Department of Computer Science and Engineering in collaboration with Cisco Networking Academy is providing a unique opportunity for our students to earn Industry recognized certifications. Cisco Netacad is offering selfpaced instructorled and career oriented certification courses in Cyber security Essentials in Python and LINUX. These courses are offered periodically for a duration of 30 to 90 hours. Over 1100 students and 20 faculty were certified during last 3years.
- 2. IBM SOFTWARE LAB FOR EMERGING TECHNOLOGIES.** IBM software Lab for Emerging Technologies is established to provide training on essential Big data with Hadoop using IBM infosphere, application development for cloud deployment using IBM Bluemix and a fundamental course on identity management the training activities are of 32 hours of duration and over 250 students and faculty were certified.
- 3. DASSAULT SYSTEMS:** Department of Mechanical Engineering established a 3D Experience center supported by APSSDC to provide training Mechanical Engineering students in Modelling software CATIA, Analysis software SIMULIA and Manufacturing software - DELMIA and conduct online examinations Global Certification in the first level. In the second level, they can opt for training in the domain of Automotive, Aerospace, Defence Ship building etc, which is very useful for students in the global competitive world. This laboratory established in 2018 and so far over 240 students and 14 faculty were trained. 56 students were certified for a duration of 30 to 160 hours.
- 4. ORACLE CORPORATION:** The institute has established Oracle Technologies Laboratory in 2018 and running Oracle licensed software for developing applications. Faculty members were trained at Oracle Corporation on different technologies to train our students. During last three years 46 students were certified as Oracle Certified Associate Java SE 8 Programmer, 1Z0808 and 26 students were certified in Oracle Database SQL 1Z0071 SQL Fundamentals.
- 5. APPLE AUTHORIZED TRAINING CENTER EDUCATION (AATCE)** APPLE Training centre was established in 2019 to provide training on developing apps related to IOS Operating System and SWIFT Program. Specialized IOS Trainers from APPLE Company will provide initially training to faculty and the trained faculty will train the students. In the first phase faculty were trained on "Introduction to Swift Programming" for four days. Addon Certificate Course will be offered by the trained faculty for III Year Students in the second phase and will be completed during August, 2019.

Provide the weblink of the institution

<https://www.vrsiddhartha.ac.in/wp-content/uploads/2019/12/INSTITUTIONALDISTINCTIVENESS.pdf>

8.Future Plans of Actions for Next Academic Year

- Plastic free Campus.
- Upgradation of College website
- Increase in quality research publications.
- Recording facility and Lecture Capturing System.
- S (Sewage Treatment Plant) to treat the liquid waste generated and reuse of the treated waste for plantation and greenery in the campus to maintain zero disc
- Promoting students to National/ International Industry driven competitions.
- Improvement in Library resources utilization.
- Establishment of Industry Incubation Centres