



Yearly Status Report - 2019-2020

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.	0866-2582333
Mobile no.	9849599497
Registered Email	principal@vrsiddhartha.ac.in
Alternate Email	info@vrsiddhartha.ac.in
Address	Vasantha 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	drmvsraju@gmail.com

3. Website Address	
Web-link of the AQAR: (Previous Academic Year)	https://www.vrsiddhartha.ac.in/wp-content/uploads/2020/12/re-submitted-AQAR-2018-19-on-21-12-2020.pdf
4. Whether Academic Calendar prepared during the year	Yes
if yes,whether it is uploaded in the institutional website: Weblink :	https://www.vrsiddhartha.ac.in/wp-content/uploads/2020/12/academiccalendar_2019-20.pdf

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
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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
Online Faculty Development Program (FDP) on computational intelligence and modelling in modern power system	22-Jun-2020 5	184
Ensuring Quality Assurance in Higher Education: Role of Industry and Professional Bodies	01-Jun-2020 1	380
Webinar on writing effective research proposal	27-May-2020 1	248
Awareness Program on career guidance	13-Mar-2020 1	32
Motivational Speech on hard work is key to success	25-Jan-2020 1	120
Training: Naipunya Vikasam under AKSHARADAAN & UNNAT BHARAT ABHIYAN SCHEME (IQAC)	27-Dec-2019 3	30
Research Practice, Presentation and Publication (RPPP)	04-Dec-2019 1	68
One Day Workshop on OBE parameter assessment and evaluation	08-Nov-2019 1	154
Guest Talk on campus to corporate world	21-Aug-2019 1	59
Workshop on International Plastic Bag Free Day, 2019 (IQAC,ACM,CSI)	03-Jul-2019 1	123
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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
V. R. Siddhartha Engineering College	Margdarshan Scheme	AICTE	2018 1095	2500000
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9. Whether composition of IQAC as per latest

Yes

NAAC guidelines:	
Upload latest notification of formation of IQAC	View File
10. Number of IQAC meetings held during the year :	3
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?	Yes
If yes, mention the amount	177855
Year	2018

12. Significant contributions made by IQAC during the current year(maximum five bullets)

1. Initiated and completed the pending syllabus in the even semester of academic year 201920 and conduct of internal examinations online mode to handle the pandemic situation. 2. Provision of free access to COURSEERA MOOCs platform for students and faculty to upgrade their skills during the lockdown period was initiated and succeeded in getting fruitful results. 3. Provision of Hardware and Software facilities to conduct the classwork for 202021 academic year through online mode was initiated. 4. Provision of precautions/measures in the campus against COVID19 unlock was initiated. 5. Initiated extension activity by involving technical expertise under Unnat Bharat Abhiyan. 6. Up gradation of College Website for better visibility 7. Paper setting for online exams to ensure quality 8. substantial increase in PhD registration and Ph.D's obtained

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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	Achivements/Outcomes
Hostel accommodations for girls and boys	In the direction of providing residence to all students with adequate facilities.
Review on further improvement of faculty pursuing PhD & new PhD registration and quality publications.	To reach the targets of '2020-25 strategic plan' of the institution.
Review of Performance Based Appraisal System (PBAS) metrics	To meet the current requirements of HEI

E -content development facilities	To make available the e-Content useful to the students, particularly during the situations like COVID Lockdown.
Effective utilization of Alumni contributions (Research funding/Incubations/Startups/consultancy).	Improvement in R&D, Consultancy, Startups, etc with the support of enthusiastic old students of the Institute.
ARIIA - Atal Ranking of Institutions on Innovation Achievements	For the improvement in Atal Innovation Ranking.
NIRF National Institutional Ranking Framework	For the improvement in NIRF Ranking
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14. Whether AQAR was placed before statutory body ?	Yes
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Name of Statutory Body	Meeting Date
Governing Body	14-Dec-2020

15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?	No
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16. Whether institutional data submitted to AISHE:	Yes
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Year of Submission	2020
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Date of Submission	19-Feb-2020
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17. Does the Institution have Management Information System ?	Yes
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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. CMS MODULES 1. Student Module 1.Preadmission, 2. Admission, 3. Scholarships, 4.Student course management including CBCS (various regulations), 5. Student Co Curricular Extra Curricular, 6. Student Discipline Counseling. 2. Faculty - 1. Faculty Roll department wise, 2. Faculty Details,3. 3. Workload, 4. Duties, 5. RD related activities, 6. Conferences, Guest Lectures, Training programmes, 7. FDP, STP etc, 8. Industrial training, internship, 9. Higher qualifications, 10. Resource person, 11. Memberships, 12. Ph.D Status, 13. Ph.D</p>
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guiding/guided, 14. Awards recognitions, 15. Industrial tours, 16. Consultancy, 17. Incentives, 18. Feedback system, 19. Infrastructure up gradation - College and Departmental, 20. Awards / Rewards

3. Examination 1. Pre exam, 2. Post Exam 4. Dashboard 1. Principal, 2. HOD, 3. Admin, 4. Faculty, 5. Students, 6. Parents. 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 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 pre examination and post examinations 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 Revision
Mtech	CEGT	Geo-Technical Engineering	08/06/2019
Mtech	MECC	CAD CAM	08/06/2019
Mtech	METE	Thermal Engineering	08/06/2019
Mtech	CESE	Structural Engineering	08/06/2019
Mtech	CSCS	Computer Science & Engineering	08/06/2019
Mtech	ECSP	Communication Engineering & Signal Processing	08/06/2019
Mtech	ECVE	VLSI design & Embedded Systems	08/06/2019
Mtech	EEPS	Power systems Engineering	08/06/2019

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

Programme with	Programme	Date of Introduction	Course with Code	Date of Introduction
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Code	Specialization			
BTech	Electrical and Electronics Engineering	01/07/2019	17EE3501 17EE3502 17EE3503 17EE2505B 17TP1507 17EE3551 17EE3552 17EE3601 17EE3602 17EE4603 C 17EE2605A 17EE2605B 17TP1606 17EE3651 17EE3652 17EE5653	01/07/2019
BTech	Electronics and communication Engineering	01/07/2019	17EC3501 17EC3502 17EC3503 17EC2504A 17EC2504B 17TP1507 17EC3551 17EC3552 17EC3601 17EC3602 17EC4603/A 17EC4603/B 17EC4603/C 17EC4603/D 17EC4604/A 17EC4604/B 17EC4604/C 17EC4604/D 17EC2605/A 17EC2605/B 17EC3651 17EC3652 17EC5653	01/07/2019
BTech	MECHANICAL ENGINEERING	01/07/2019	17ME3501 17ME3502 (17ME3503) 17ME2504 17ME2504 17ME2505 17ME2505 17ME2506 17ME2506 (17TP1507) (17ME3551) (17ME3552) (17ME3601) (17ME3602) 17ME4603 17ME4603 17ME4603	01/07/2019

			(17HS1604) 17ME2605 17ME2605 (17TP1606) (17MC1607) (17ME3651) (17ME3652) (17	
BTech	Information Technology	01/07/2019	17IT3501 17IT3502 17IT3503 17IT2504A 17TP1507 17IT3509 17IT3551 17IT3552 17IT3601 17IT3602 17IT4603D 17IT4604A 17IT4604B 17IT2605A. 17IT2605B. 17TP1606 17IT3652 17IT3654 17IT5653	01/07/2019
BTech	CIVIL ENGINEERING	01/07/2019	17PH1251 17PH1202 17CE3501 17CE3502 17CE3503 17CE2504 A 17CE2504 B 17CE2505 A 17CE2505 B 17CE2506/A 17TP1507 17CE3509 17CE3601 17CE3602 17CE2605/A 17TP1606 17MC1607 17CE5653	01/07/2019
BTech	COMPUTER SCIENECE ENGINEERING	01/07/2019	17CS3503 17CS2506A 17CS2506B 17CS2506C 17CS2605D 17TP1507 17CS3554 17MC1508 17CS4603A 17CS4603B 17CS4603C 17CS4604A 17CS4604B	01/07/2019

			17CS4604C 17CS2605A 17CS2605D 17CS3651B 17CS3651C 17CS3652B 17CS3652C 17TP606 17CS5653 17CS3654	
BTech	Electronics and Instrumentation Engineering	01/07/2019	17EI3502 *17EI3503 *17EI2504/A *17EI2504/B 17EI2505/B *17EI2506/A *17EI2506/B *17HS1507 *17EI3551 *17MC1507 17EI4603/A *17EI4604/A *17EI4604/D *17EI2605/B *17TP1606 17EI3651 17EI3652 *17EI5653	01/07/2019
Mtech	Data Science	01/07/2019	19ITDS1001 19ITDS1002 19ITDS1003 19ITDS1014A 19ITDS1014B 19ITDS1015A 19ITDS1015B 19MTMC1026 19ITDS1051 19ITDS1052 19ITDS2001 19ITDS2002 19ITDS2003 19ITDS2014A 19ITDS2014B 19ITDS2015A 19ITDS2015B 19ITDS2036 19ITDS2066 19ITDS2051 19ITDS2052	01/07/2019
Mtech	Computer Science and Engineering	01/07/2019	19CSCS1002 19CSCS1003 19CSCS1104A 19CSCS1104B 19CSCS1104C 19CSCS1015A 19CSCS1026 19CSCS1052	01/07/2019

			19CSCS2014C 19CSCS2015A 19CSCS2015B 19CSCS2015C 19CSCS2015D 19CSCS2036 19CSCS2067 19CSCS2052	
Mtech	Geo-Technical Engineering	01/07/2019	19CEGT1014 19CEGT1001 19CEGT1002 19CEGT1003 19CEGT1014 19CEGT1014 19CEGT1015 19CEGT1015 19CEGT1015 19CEGT1051 19CEGT1052 19CEGT2001 19CEGT2002 19CEGT2003 19CEGT2014 19CEGT2014 19CEGT2015 19CEGT2015 19CEGT2051 19CEGT2052	01/07/2019

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1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the Academic year

Programme/Course	Programme Specialization	Dates of Introduction
BTech	Electrical and Electronics Engineering(22 courses)	01/07/2019
BTech	CIVIL ENGINEERING(16 courses)	01/07/2019
BTech	MECHANICAL ENGINEERING(8 courses)	01/07/2019
BTech	COMPUTER SCIENECE ENGINEERING(23 courses))	01/07/2019
BTech	Electronics and communication Engineering(16 courses)	01/07/2019
BTech	Information Technology(26 courses)	01/07/2019
BTech	Electronics and Instrumentation Engineering(18 courses))	01/07/2019
MCA	Master of Computer Applications(5 courses))	01/07/2019

MBA	Master of Business Administration(11 courses))	01/07/2019
Mtech	Data Science (Program)	01/07/2019
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1.2.2 – Programmes in which Choice Based Credit System (CBCS)/Elective Course System implemented at the College level during the Academic year.

Name of programmes adopting CBCS	Programme Specialization	Date of implementation of CBCS/Elective Course System
BTech	All UG programs	01/07/2019
Mtech	All PG programs	01/07/2019
MBA	Master of Business Administration	01/07/2020
MCA	Master of Computer Application	01/07/2020

1.3 – Curriculum Enrichment

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

Value Added Courses	Date of Introduction	Number of Students Enrolled
Robotic Process Automation(RPA) -UiPath	08/07/2019	124
AWS(Amazon Web Services) - APSSDC	09/09/2019	11
Web Development (Web Technologies India Pvt Ltd)	09/09/2019	98
Programming Essentials in C (CISCO Networking Academy)	02/01/2020	128
Introduction to Cyber Security(CISCO Networking Academy)	30/03/2020	128
Introduction to IoT(CISCO Networking Academy)	30/03/2020	128
Computational Intelligence (World Vision Technologies)	09/09/2019	25
Labview core-I, core -II	16/03/2020	26
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1.3.2 – Field Projects / Internships under taken during the year

Project/Programme Title	Programme Specialization	No. of students enrolled for Field Projects / Internships
BTech	civil engineering	31
BTech	Computer science and Engineering	100

BTech	Electronics and communication	162
BTech	Electrical and Electronics engineering	214
BTech	Electronics and Instrumentation Engineering	52
BTech	Information Technology	173
BTech	Mechanical Engineering	2
MCA	Master of computer applications	24
MBA	Master of Business administration	56
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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
<p>All the departments of Institute collects the feedback on all aspects from 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 the 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. A consolidated result will be forwarded to the appropriate departments for necessary improvements.</p>

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	Students Enrolled
MCA	PG	63	140	60
MBA	PG	63	148	63

Mtech	PG	180	190	109
BTech	UG	1140	16070	1133
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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 both UG and PG courses
2019	4640	732	277	56	46

2.3 – Teaching - Learning Process

2.3.1 – Percentage of teachers using ICT for effective teaching with Learning Management Systems (LMS), E-learning 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-resources and techniques used
333	321	77	77	9	7

[View File of ICT Tools and resources](#)

[View File of E-resources and techniques used](#)

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 their students and guide them with their studies and extracurricular activities. They also provide advice relating to career guidance and personal problems. Parents of the students are timely informed wherever the necessity arises such as lack of attendance, poor academic performance and psycho-social problems. It manages student personal information, academic performance, participation in Curricular and Co-curricular activities and employment information

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
5372	333	16:01

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 with Ph.D
333	333	Nil	18	130

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 Award	Name of full time teachers receiving awards from state level, national level, international level	Designation	Name of the award, fellowship, received from Government or recognized bodies
2020	Dr. A.V. Ratna Prasad	Principal	Level 5 Certificate in Management

			Leadership from CMI, UK
2019	Dr. B. Panduranga Rao	Dean	ICI (Vijaywada Centre) - Ultratech Award 2019 -Outstanding Concrete Engineer Award. Concrete Day 25.10.2019
2019	Dr.M.Suneetha	Professor	Active Participation Women Award 2017-2019, Computer Society of India.
2019	Mr.Y. Kalyan Chekravarthy	Assistant Professor	Active Participation (Youth) of Vijayawada Chapter at 2017-2019, Computer Society of India.
2020	Dr. S. Vasavi	Professor	Best Going through in 2020 Women in Engineering WIE IEEE
2019	Dr Ch Rupa	Professor	Reviewer Award Elsevier
2019	Ch. Mukesh	Assistant Professor	UTHAMA ACHARYA PURASKAR, National Award from Indian Servers
2019	Dr. A. Jhansi Rani	Professor	UTHAMA ACHARYA PURASKAR, National Award from Indian Servers
2019	Dr. M. Padmaja	Professor	UTHAMA ACHARYA PURASKAR, National Award from Indian Servers
2020	Dr.S.Ramesh	Associate Professor	International Innovative Researcher in IoT Networking, RULA Awards 2020
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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 during the year

Programme Name	Programme Code	Semester/ year	Last date of the last semester-end/ year-end examination	Date of declaration of results of semester-end/ year- end
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				examination
BTech	UG	IV-Sem	07/12/2019	18/12/2019
BTech	UG	III-Sem	25/11/2019	12/12/2019
BTech	UG	II-Sem	04/12/2019	21/12/2019
BTech	UG	I-Sem	22/01/2020	28/01/2020
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2.5.2 – Average percentage of Student complaints/grievances about evaluation against total number appeared in the examinations during the year

Number of complaints or grievances about evaluation	Total number of students appeared in the examination	Percentage
Nil	5598	0

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	Pass Percentage
PG	Mtech	MTech	117	96	82.05
PG	MCA	MCA	74	68	91.89
PG	MBA	MBA	56	55	98.21
UG	BTech	Mechanical engineering	198	162	81.82
UG	BTech	infomation technology	124	113	91.13
UG	BTech	Electronics and instrumentation engineering	108	74	68.52
UG	BTech	Electrical and Electronics Engineering	133	120	90.23
UG	BTech	Electroninca and communication engineering	277	242	87.36
UG	BTech	Computer science and engineering	202	192	95.05
UG	BTech	Civil engineering	200	165	82.50

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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

Dr N Vamsi Krishna and Dr. B. G. Tilak V.

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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.Gunnam Surya Narayana	Post Doctoral Fellowship	01/07/2019	Shanghai Jiao Tong University, Shanghai, China
International	Dr. Zameer Ahmad	Post Doctoral Fellowship	01/07/2019	Delft University of Technology, Netherlands.

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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 year
Minor Projects	30	APSWHC.	0.99	0.99
Minor Projects	30	APSWHC.	0.65	0.65
Minor Projects	60	RVNL Vijayawada	4	4
Minor Projects	90	South Central Railways	2.81	2.81
Minor Projects	182	South Central Railways	1.48	1.48
Major	730	DST-SERB	23.91	17

Projects		(SRG)		
Minor Projects	180	The Institution of Engineers (India)	0.17	0.17
Major Projects	180	Naval Science Technological Laboratory (NSTL), Visakhapatnam, (DRDO laboratory)	6	6
Minor Projects	30	APUIAML	4	4
Major Projects	1440	DRDO	66.52	3.39
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3.2.2 – Number of ongoing research projects per teacher funded by government and non-government agencies during the years

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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.	Date
Two Day FDP on "Blockchain Essentials"	CSE	10/12/2019
Two Week Certification Training Program on "Foundations of Blockchain " in collaboration with EMURGO Global	CSE	16/12/2019
One Day Seminar on "PEGA Infinity Studio" in Collaboration with Talentsprint, Hyderabad Certified PEGA Instructors	CSE	20/12/2019
One Week FDP on Oracle Programming Using PL/SQL	CSE	24/02/2020
One Day Workshop on "Intellectual Property Rights Innovations"	CSE	22/02/2020
Workshop on Intellectual property Rights	CE	22/02/2020
Four Day Workshop on Cloud based AWS	IT	24/07/2019
Guest Lecture on Big	IT	08/05/2019

Data Intelligence		
Guest Lecture on Big Data Intelligence	IT	26/08/2019
Two Day FTP on Blockchain	IT	13/09/2019
Two Day FTP on Blockchain	IT	13/09/2019
Workshop on Machine Learning Artificial Intelligence	IT	13/09/2019
Guest Lecture on Enhancing Skills in Problem Solving	IT	31/08/2019
Workshop on Problem Solving and Programming in Python Phase - I	IT	14/10/2019
Faculty Development Programme on Technology Adoption and Implementation Towards a Smart Society	IT	04/11/2019
Seminar on Space Technologies and Applications	IT	06/11/2019
Workshop on Essentials of Business Intelligence using Tableau Software, CarbyneTechpvt. Ltd	IT	30/11/2019
Workshop on Python using Machine Learning	IT	17/12/2019
Guest Lecture on Emerging Technologies(AI,ML and NLP)	IT	01/04/2020
Workshop on Robotics Process Automation	IT	21/01/2020
Seminar on Deep Learning Applications	IT	16/05/2020
FDP on Cyber Security	IT	23/05/2020
One Week FDP on "PALOALTO - CYBERSECURITY INFRASTRUCTURE CONFIGURATION"	CSE	12/08/2019
One Day Workshop on Blockchain Technologies	CSE	09/12/2019
Seminar under ACM What Is Software Engineering Anyway? Reflections on 50 Years of Software Engineering and the Road	IT	16/05/2020

Guest Lecture on Emerging Technologies(AI,ML and NLP)	IT	23/05/2020
FDP on Blockchain Security and Smart Contracts	IT	15/06/2020
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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	Category
Smart Power Sprayer	S.M.HARSHITH.K	National Institute of Rural Development and Panchayat Raj (NIRDPR), Hyderabad-500030, Phone: 91-40-24008526	01/07/2019	Smart Power Sprayer
Design of alarms Management and analytics (GAIL)	Bodapati Surendra Babu, Bhanu Prakash Bhimarati, Zaheer, Dharani, Rekha Madhuri, S.Krishna Sai Anjana	MHRD- Smart India Hackathon 2020.	01/07/2019	Design of alarms Management and analytics (GAIL)
Serving Robo	Chinni Nagasai Mudgala, Achanta Satya Deepika	Innovation Day-2019, Velagapudi Ramakrishna Siddhartha Engineering College.	01/07/2019	Serving Robo
Eye gaze system to operate virtual keyboard	K.Nishitha Sai Sree, S.Sravani, M.Rekha Madhuri, M.Vasavi Vineela	Ideathon, Vasireddy Venkatadri Institute of Technology.	01/07/2019	Eye gaze system to operate virtual keyboard
Farm's Umbrella	Barma Divya Sri, Lekhya Sahithi Panchumarthi	Innovation Day-2019, Velagapudi Ramakrishna Siddhartha Engineering College.	01/07/2019	Farm's Umbrella
Smart Doorbell	K.Saketh, N.Dhruithi, N.Raja Rajeswari	Innovation Day-2019, Velagapudi Ramakrishna Siddhartha Engineering College.	01/07/2019	Smart Doorbell

Robo for Covid patients	Chinni Nagasai Mudgala, Achanta Satya Deepika	National Level Online Project Competition, Maharashtra Institute Of Technology,	01/07/2019	Robo for Covid patients
SMS controlled variable speed monitoring device	Matsa Divya	speCSEr, JNTUK Narasaraopet	18/12/2019	SMS controlled variable speed monitoring device
Web Development	Lahari B Sana Sk.	APSSDC Zonal Level at VVIT Guntur	26/02/2020	Web Development
AWS task	Sai Pravallika G	APSSDC Zonal Level at VVIT Guntur	26/02/2020	AWS task
View File				

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

Incubation Center	Name	Sponsored By	Name of the Start-up	Nature of Start-up	Date of Commencement
Nil	Nil	Nil	NPHSAT SYSTEMS PVT LTD	Aerospace based startup	11/01/2019
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 Awarded
Civil Engineering	2
Computer Science Engineering	2
Electronics Communication Engineering	2
Electrical Electronics Engineering	3
Electronics Instrumentation Engineering	1
Information Technology	1
Mechanical Engineering	2
Computer Applications	2
Business Management	1
Science Humanities	1

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

Type	Department	Number of Publication	Average Impact Factor (if any)
International	Civil Engineering	29	4
International	Computer Science and Engineering	60	2.18

International	Electronics Communication Engineering	65	1.74
International	Electrical and Electronics Engineering	25	0.62
International	Electronics and Instrument engineering	17	3.8
International	Information Technology	56	3.4
International	Mechanical Engineering	57	0.7
International	MCA	9	2.9
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 Publication
Mechanical Engineering	14
MBA	4
Mathematics	4
Information Technology	9
Electronics and Instrument engineering	6
Computer Science and Engineering	7
Civil Engineering	6
Electrical Electronics Engineering	33
View File	

3.4.4 – Patents published/awarded during the year

Patent Details	Patent status	Patent Number	Date of Award
System And Method For Data Security Using DNA Cryptography Based Encryption	Published	201941039845	18/10/2019
Method For Secure Location Aware Routing Of Intermittently Connected Mobile Ad Hoc Network	Published	201941043841	03/11/2019
Method For Healthcare Big Data Processing Related Management Thereof	Published	201941041495	25/10/2019
Method For Maximum Energy	Published	201941040703	18/10/2019

Utilization In Internet Of Thing Networks			
Computer Implemented Method For Information Extraction From Electroencephalogram (EEG) Signals	Published	201941040582	18/10/2019
System For Real-Time Predicting And Detecting Heart Attack Using Iot Sensors Cloud Computation	Published	201911040601	18/10/2019
Method Of Efficient Self Scheduling Energy-Management In Big Data Transmission For Iot Applications	Published	201941036127	20/09/2019
CSFB - Material - Cold Setting Fly Ash Building Construction Materials	Published	202041000844	17/01/2020
Method Of Energy Saving Routing With Path Exploration Using Bio- Inspired Techniques	Published	201941042554	18/10/2019
Computer-Implemented Method Of Privacy-Preserving Probabilistic Routing With Adopted Techniques Of Intermittently Connected Mobile Networks	Published	201941042461	18/10/2019
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 citation
Thermal and mechanical properties of waste	Ramanaiah, K., AV Ratna Prasad,	Materials Design 40 (2012): 103-108	2020	58	V R Siddhartha Engineering College	58

grass broom fiber-reinforced polyester composites	and K. Hema Chandra Reddy.					
Loop based pseudo hamming values—I testing isomorphism and rating kinematic chains	Rao, A. C., and C. N. Rao.	Mechanism and Machine Theory 28.1 (1993): 113-127	2020	68	V R Siddhartha Engineering College	68
Influence of Al ³⁺ ions on luminescence efficiency of Eu ³⁺ ions in barium borophosphate glasses	Kalpana, T. Brik, M. G. Sudarsan, V. Naresh, P. Ravi Kumar, V. Kityk, I. V. Veeraiah, N.	Journal of Non-Crystalline Solids, Volume 419, p. 75-81.	2020	48	V R Siddhartha Engineering College	48
Thermal conductivity characterization of bamboo fiber reinforced polyester composite	M Mounika, K Ramaniah, AVR Prasad	J. Mater. Environ. Sci 3.6 (2012): 1109-1116	2020	74	V R Siddhartha Engineering College	74
Excess parameters of binary mixtures of anisaldehyde with o-cresol, m-cresol and p-cresol at T(303.15, 308.15, 313.15, and 318.15) K	K Narendra, C Srinivasu, S Fakruddin	The Journal of Chemical Thermodynamics 43.11 (2011): 1604-1611.	2020	84	V R Siddhartha Engineering College	84
Tensile properties of elephant	KMM Rao, AVR Prasad, MNV R Babu, KM	Journal of materials science 42	2020	83	V R Siddhartha Engineering College	83

grass fiber reinforced polyester composites	Rao	.9 (2007): 3266-3272.				
Application of the hamming number technique to detect isomorphism	Rao, A. C., and D. Varada Raju	Mechanism and Machine Theory 26.1 (1991): 55-75.	2020	150	V R Siddhartha Engineering College	150
Fabrication and testing of natural fibre composites: Vakka, sisal, bamboo and banana	KMM Rao, KM Rao, AVR Prasad	Materials Design, 2010 - Elsevier	2020	268	V R Siddhartha Engineering College	268
Mechanical properties of natural fibre reinforced polyester composites : Jowar, sisal and bamboo	AVR Prasad, KM Rao	Materials Design 32. 8-9 (2011): 4658-4663.	2020	336	V R Siddhartha Engineering College	336
Extraction and tensile properties of natural fibers: Vakka, date and bamboo.	K. Murali Mohan Rao K. Mohana Rao	Composite structures 77.3 (2007): 288-295.	2020	520	V R Siddhartha Engineering College	520
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 as mentioned in the publication
Extraction and tensile properties	K. Murali Mohan Rao K. Mohana Rao	Composite structures 77.3 (2007):	2020	25	520	V R Siddhartha Engineering College V R

of natural fibers: Vakka, date and bamboo.		288-295.				Siddhartha Engineering College
Mechanical properties of natural fibre reinforced polyester composites : Jowar, sisal and bamboo	AVR Prasad, KM Rao	Materials Design 32.8-9 (2011): 4658-4663.	2020	25	336	V R Siddhartha Engineering College
Fabrication and testing of natural fibre composites: Vakka, sisal, bamboo and banana	KMM Rao, KM Rao, AVR Prasad	Materials Design, 2010 - Elsevier	2020	25	268	V R Siddhartha Engineering College
Application of the hamming number technique to detect isomo	Rao, A. C., and D. Varada Raju	Mechanism and Machine Theory 26.1 (1991): 55-75.	2020	25	150	V R Siddhartha Engineering College
Tensile properties of elephant grass fiber reinforced polyester composites	KMM Rao, AVR Prasad, MNV R Babu, KM Rao	Journal of materials science 42.9 (2007): 3266-3272.	2020	25	83	V R Siddhartha Engineering College
Excess parameters of binary mixtures of anisald ehyde with o-cresol, m-cresol and p-cresol at T(303.15, 308.15, 313.15, and	K Narendra, C Srinivasu, S Fakruddin	The Journal of Chemical Thermodynamics 43.11 (2011): 1604-1611.	2020	25	84	V R Siddhartha Engineering College

318.15) K						
Thermal conductivity characterization of bamboo fiber reinforced polyester composite	M Mounika, K Ramaniah, AVR Prasad	J. Mater. Environ. Sci 3.6 (2012): 1109-1116	2020	25	74	V R Siddhartha Engineering College
Influence of Al ³⁺ ions on luminescence efficiency of Eu ³⁺ ions in barium borophosphate glasses	Kalpna, T. Brik, M. G. Sudarsan, V. Naresh, P. Ravi Kumar, V. Kityk, I. V. Veeraiah, N.	Journal of Non-Crystalline Solids, Volume 419, p. 75-81.	2020	25	48	V R Siddhartha Engineering College
Loop based pseudo hamming values-I testing isomorphism and rating kinematic chains	Rao, A. C., and C. N. Rao.	Mechanism and Machine Theory 28.1 (1993): 113-127	2020	25	68	V R Siddhartha Engineering College
Thermal and mechanical properties of waste grass broom fiber-reinforced polyester composites	Ramaniah, K., AV Ratna Prasad, and K. Hema Chandra Reddy.	Materials Design 40 (2012): 103-108	2020	25	58	V R Siddhartha Engineering College
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3.4.7 – Faculty participation in Seminars/Conferences and Symposia during the year

Number of Faculty	International	National	State	Local
Attended/Seminars/Workshops	55	826	113	193
Presented papers	5	52	13	13
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 (amount in rupees)
Faculty of CE	towards testing charges of Mix Design	LT Constructions, APDIDCO	73220
Faculty of CE	towards testing charges of Soil Samples	he Managing Director, APSWHC, Vja	50301
Faculty of CE	towards testing charges of Mix Design	Modern Constructions, Vja	40271
Faculty of CE	towards testing charges of Soil Samples	M/s Sandhya Soil Engineering Works, Vja	29800
Faculty of CE	towards testing charges of Steel	V Suribabu, Chittur Dt, AP	2250
Faculty of CE	towards testing charges of Soil Samples	The Chief Executive Officer, Alluri Sitarama Raju Educational Society, Eluru	50339
Faculty of CE	towards testing charges of Soil Samples	The General Manager, Power Grid Corporation of India Ltd, Nunna, Vja	34407
Faculty of CE	towards testing charges of Soil Samples	Sri B Lakshmana Rao, Peravali	21000
Faculty of CE	towards testing charges of Soil Samples	Samhita Projects, Rainbow Villas, Navodaya Colony, Guntur	13000
Faculty of CE	towards testing charges of GSB, WMM, DBM, BC, Mix Design	Modern Constructions, Vja	54000
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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)	Number of trainees
0	nil	nil	0	0
No file uploaded.				

3.6 – Extension Activities

3.6.1 – Number of extension and outreach programmes conducted in collaboration with industry, community and Non- Government Organisations through NSS/NCC/Red cross/Youth Red Cross (YRC) etc., during the year

Title of the activities	Organising unit/agency/	Number of teachers	Number of students
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	collaborating agency	participated in such activities	participated in such activities
Awareness Program on International Plastic Bag Free Day 2019 "Global initiative that aims to eliminate the use of single-use plastic bags"	CSE Dept, VRSEC	2	200
"Stop Soil Pollution" World Soil Day	Rythu Nestham Farm, Guntur	2	200
"Awareness Program on online Voter Enrolment" National Voter's Day	Chinaogirala Village	1	20
"Science Quiz Competition" National Science Day	Municipal Corporation School, Kanuru.	1	20
Awareness Program on Digital Payments and Service	Kanuru, Panchayat	1	20
International Yoga Day	VRSEC	2	100
Digital Literacy	Learning Links Foundation	5	240
Free Medical Camp	Kamineni Hospital	1	10
Donation of Provisions	Helping Hands	1	20
Awareness rally on the occasion of 'World Organ donation day'	Karuna Eye Bank Foundation Trust	2	200
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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	Number of students Benefited
Mega Blood Donation Camp	Appreciation Letter	Redcross Blood Bank	300
Sign to donate blood in 8 Hrs	Appreciation Certificate for Donor Enrolment	Governor, AP State	20
Mobilization for Rally on the occasion of National Energy Conservation Week	Appreciation letter	State Energy Conservation Mission, Vijayawada	300

dt.14-12-19			
Best Support of Blood Donation Camp 2019	Unsung Heroes Award 2019	Rural and Urban Development Society, AP	10
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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
Mega Blood Donation Camp	RedCross, New City Blood Bank	Mega Blood Donation Camp	5	300
Digital Literacy	Learning Links Foundation	Digital Literacy	6	240
Awareness on Tax Payments	Income tax department	Awareness on Tax Payments	1	100
Awareness Program on Water Harvesting	NSS Civil Department	Awareness Program on Water Harvesting	2	20
Medical Camp	Kamineni Hospitals	Medical Camp	1	10
Awareness rally on 'World Organ Donation Day'	Karunaa Eye Bank	Awareness rally on 'World Organ Donation Day'	2	200
Medical Camp	Sahaya Foundation	Medical Camp	1	30
Awareness Program on 'Bone Marrow'	Datri Foundation	Awareness Program on 'Bone Marrow'	5	120
Sadbhavana Rally	NSS	Sadbhavana Rally	1	300
Flag Run	NSS	Flag Run	1	300
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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	Duration
Student Faculty Research Exchange	Dr.SVasavi B.Chirugas D.Anudeep A.Leela Bhavani B.Puja Krishna Veni G.Sowjanya B.Vamsi	APSDMA Tadepalli	720
Student Faculty Research Exchange	Dr.SVasavi A.Swarna Lakshmi K.Mounika D. Bhavani Ch. Kamali	INCOIS	720

	Sai Meghalini		
Research Publication	T Naga durga	Institution	1825
Research Publication	K V Kumar Kavuturu,	Institution	1825
Research Publication	Dr G V Nagesh Kumar	Institution	1825
Research Publication	M Rambabu	Institution	1825
Research Publication	Sajja Satish	Institution	1825
Student Faculty Research Exchange	Dr. S Vasavi, M. Manosatvik, Tanveer Ahamed, Md Meera Durga Mastan	SAC Ahmadabad	365
Patent Filing	Dr.Venkata Kishore Kumar Rejeti Dr. Jaideep Gera Vasumathi Devi Majety Dr. Sangeetha Yalamanchili	Institution	365
Patent Filing	Dr. Senthilselvi Ayothi Mr. Senthil Pandi San kareswaran Dr. Ramesh Sekaran Dr. Rizwan Patan	Institution	365
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3.7.2 – Linkages with institutions/industries for internship, on-the- job training, project work, sharing of research 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	Participant
Academic Interest/Research/Job	Industrial Linkage	Indian Servers	01/07/2019	31/12/2020	13
Academic Interest/Research/Job	Industrial Linkage	Anblick Hyderabad	01/07/2019	31/12/2020	3
Academic Interest/Research/Job	Industrial Linkage	RETRON ENERGIES India Pvt. Ltd.	27/05/2020	02/06/2020	1
Internship	Industrial Linkage	SmartBridge	06/04/2020	05/05/2020	1
Internship	Industrial Linkage	Cognibot	13/05/2020	13/06/2020	1

Internship	Industrial Linkage	Qwerty Thoughts	20/04/2020	20/05/2020	1
Internship	Industrial Linkage	APSSDC	01/06/2020	13/06/2020	18
Internship	Industrial Linkage	NPHSAT SYSTEMS PVT LTD	15/04/2020	15/05/2020	2
MoU, Internships, Technical Resource Support, Faculty Interaction	Industrial Linkage	Pennar Engineered Building Systems Limited	09/05/2019	31/12/2020	3
MoU, Internships, Students Trainings	Industrial Linkage	CREDAI, Vijayawada	01/07/2019	30/06/2020	2
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3.7.3 – MoUs signed with institutions of national, international importance, other institutions, industries, corporate houses etc. during the year

Organisation	Date of MoU signed	Purpose/Activities	Number of students/teachers participated under MoUs
National Cyber Safety and Security Standards (NCSSS)	01/07/2019	Training Faculty Development Programs Workshops	2
Automation Anywhere	01/01/2020	Student training Placements	100
The Princeton Review, USA	01/01/2020	GRE, IELTS, GMAT, ACS coaching to the II/IV, III/IV, IV/IV B.Tech students	50
MicroSysAutomation, Hyderabad	02/09/2019	Internship for UG Students Curriculum design for UG	50
Providence Software Solutions Pty Ltd	26/06/2020	MOU	50
Ajana Networks Private Limited	29/01/2020	Guest talk on Indian Information Technology Industry on 27/01/2020.	60
UiPath	01/07/2019	Student training Placements	452
Anblicks	13/08/2019	Students Internship Placements	10
Emurgo	01/07/2019	Student training	113

		Internships Placements	
Pega Academy	01/07/2019	Certifications Training Placements	80
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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 development
1929.96	1702.97

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Classrooms with Wi-Fi OR LAN	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
Video Centre	Newly Added
Seminar halls with ICT facilities	Existing
Classrooms with LCD facilities	Existing
Seminar Halls	Existing
Laboratories	Existing
Class rooms	Existing
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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 automation
LIBSYS	Fully	10	2019

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	71788	2136221	837	364315	72625	2500536
Reference Books	3861	2117500	35	48500	3896	2166000
e-Books	510	950033	250	125000	760	1075033
Journals	127	258536	13	19500	140	278036
e-Journals	5	1642273	5	25938	10	1668211

Digital Database	6	Nil	2	Nil	8	Nil
CD & Video	1000	50000	14	700	1014	50700
Library Automation	2	1025810	Nil	Nil	2	1025810
Others(s pecify)	62	68000	23	22302	85	90302

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4.2.3 – E-content developed by teachers such as: e-PG- Pathshala, CEC (under e-PG- Pathshala CEC (Under Graduate) 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
Faculty of all Departments	LMS VRSEC	Moodle	01/07/2019

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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)	Others
Existing	1600	1237	1600	70	120	53	120	260	0
Added	182	0	182	0	0	0	182	230	0
Total	1782	1237	1782	70	120	53	302	490	0

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

490 MBPS/ GBPS

4.3.3 – Facility for e-content

Name of the e-content development facility	Provide the link of the videos and media centre and recording facility
1. Media Center: Plex Media Server (Server-Client Media player) 2. Lecture Capturing System (LCS): Hikvision LAN camera Audio and Video with NVR System 3. Recording Facility: Panasonic HDC-MDH1 AVCHD PAL Camcorder, Tripod, Collar Mike and Centralis	https://www.vrsiddhartha.ac.in/e-content-development/

4.4 – Maintenance of Campus Infrastructure

4.4.1 – Expenditure incurred on maintenance of physical facilities and academic support facilities, excluding salary 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
44240200	44559922	66000000	70792852

4.4.2 – Procedures and policies for maintaining and utilizing physical, academic and support facilities - laboratory, 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 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 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. ? The 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 the Hardware Technicians from Computer Science department. ? Fiber Optic cable issues 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 agencies following central purchase procedure under the direction of CSEHOD. ? Issues related to Telephone intercom will be serviced by the technician from ECE department. ? Any major maintenance works related to IT infrastructure are executed by external people on contract basis.

3. ACADEMIC FACILITIES MAINTENANCE • Every 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 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 in consultation with the suppliers following the central purchase procedure.

4. MAINTENANCE OF SUPPORTING FACILITIES: • Adequate man power is employed to maintain 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
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Financial Support from institution	Siddhartha Sahaya Scholarship of SAGTE (Management of Velegapudi Ramakrishna Siddhartha Engineering College))	129	1935000
Financial Support from Other Sources			
a) National	1. Central sector scheme of scholarships for college and University students 2. Prime Minister Scholarship 3. KVSS Scheme	157	1545000
b) International	North South Foundation	125	2500000
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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
Guidance for competitive examinations	15/09/2019	1007	In house training
Career Counseling	10/07/2019	5475	TP, In house training, CAMPUS CONNECT CORPORATE, HYDERABAD
Soft skill development	15/07/2019	5475	In house training and TP
Remedial coaching	20/09/2019	1268	In house training
Communication Skills Development	08/07/2019	1240	In house training
Bridge Courses	20/08/2019	266	In house training
Yoga and meditation	15/07/2019	152	Yoga trainer, VRSEC
Personal Counselling	20/07/2019	5475	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	Number of students who have passed in the comp. exam	Number of students placed

			activities		
2020	Carrer Counselling/Placements/Higher Education	1007	5475	137	955
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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
1	1	7

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
85	977	919	1	65	36
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	Department graduated from	Name of institution joined	Name of programme admitted to
2020	30	B. TECH	CSE, EEE, IT, CE, ME	UNIVERSITY OF TEXAS, DALLAS, USA GEORGIA STATE UNIVERSITY, USA UNIVERSITY AT BUFFALO, USA ILLINOIS INSTITUTE OF TECHNOLOGY, USA..etc	MS, MBA, M.TECH etc
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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
Any Other	67
NET	Nil
SET	Nil
SLET	Nil
GATE	48
GMAT	1

CAT	1
GRE	19
TOFEL	1
Civil Services	Nil
View File	

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

Activity	Level	Number of Participants
Intramural Competitions Nil	Institutional	715
Intramural Competitions Nil	Institutional	635
Annual Festival of Siddhartha Engineering College AFOSEC2019 - Cultural Events Nil	Regional	20
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5.3 – Student Participation and Activities

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

Year	Name of the award/medal	National/ International	Number of awards for Sports	Number of awards for Cultural	Student ID number	Name of the student
2020	first second third jury appreciation prizes	National	5	30	students of B.Tech	students of B.Tech
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5.3.2 – Activity of Student Council & representation of students on academic & administrative bodies/committees of the institution (maximum 500 words)

The college involves the students who are its primary stake holders to the utmost possible extent in most of the facets of its functioning and in such spheres of activity which are statutorily permissible. It's not only for listening to voices of the students but also to make the main integral part of the very functioning of the units in varying degrees based on the kind of the functional unit. In addition other following functional units, the college student council has been in place. Levels of student involvement • Academic and Administrative planning • Discipline regulatory Monitoring unit • Functioning related to career oriented activities, college level Amenities Facilities • Units of Co Extracurricular planning execution Academic and Administrative Planning: Internal Quality Assurance Cell (IQAC): It looks into various quality enhancement measures and has the representation of student members. Different academic and student development matters are discussed with the active participation of the students. Department Advisory Boards (DAB): Student members have been inducted into Department Advisory Boards (DAB) in order to listen to their voice as far as curricular modification /up gradation and over all development of the department concerned. The suggestions put forward by the students in the said matters with respect to curricular gradation are taken into reckoning while the respective departments conduct higher rung curricular

meetings. Central Library: The committee consists of student representatives. Students are given an opportunity to discuss the requirements regarding the availability of digital content, accessibility factors and such other advancement related matters, and digital up gradations are undertaken in tune with the expectations of the students. Discipline Regulatory Monitoring Unit Anti-Ragging Coordination committee: Students have representation in the Anti-Ragging committee constituted as per the guidelines of the UGC with internal and external members (Revenue, Police officials and Elite of the society) in order to ensure ragging free environment in the college. Students are encouraged to present the stark realities without any fear or favor. Functioning related to career oriented activities, College level Amenities Facilities

Training Placement: Students are involved as TPC Coordinators for assisting the Placement Cell during the recruitment drives. Canteen committee: Student members are involved in Canteen Committee in order to take feedback regarding the functions of the canteen pertaining to quality, cost, variety, etc. Hostel mess and ambience: Students take a lead role in running the mess and in overseeing the ambience of the hostels. Units of Co Extracurricular planning execution Co-curricular: Annual Festival of Siddhartha Engineering College (AFOSEC) : It is a National level Techno-cultural festival organized during Jan/Feb every year. In which students take an active role in hospitality, transport, fete, Auto expo, Robo expo , etc. Engineers' Day: students take an active part in presenting the technical exhibition. Department Association Activities Student professional Chapters Extracurricular: • Annual Day and Sports Day: Student teams undertake prize distribution coordination, etc • Students have an active representation in NSS/NCC activities • Students act as members in Editorial board of Departmental Newsletters, etc.

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

Yes

Alumni Association of V.R. Siddhartha Engineering College had a modest beginning in late nineties and fortified its wings in 2003. The same year marked the period of standardization in terms of its registration as a society named as VR Siddhartha Engineering College Old Students Association {VRSECOSA}. The first alumni meet with a large participation was held in the college in the month of June 2003. From 2006, every year a grand Silver Jubilee event of respective passed out batch is being celebrated in the last week of December.

5.4.2 – No. of registered Alumni:

10400

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

500000

5.4.4 – Meetings/activities organized by Alumni Association :

5 meetings organized

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 500 words)

The institute practice decentralization and participative management. 1. Innovative Practices adopted for more number of placements with better packages in addition to existing mechanism Various innovative activities are

taken up for improving number of placements with high packages in the academic year 2019-20 :

- **Advanced learner groups:** With an aim of inculcating advanced coding, high in communication, improved analytical habits among top students, advanced learner groups are introduced and continuously given the challenges in all aspects of skills required to get into higher-end and blue-chip IT jobs.
- **Competitive Coding Labs:** Competitive Coding Labs have been introduced in the institute for developing compete skills in students, that helped the students to improvise problem solving skills, getting expertise in programming languages and as well expanding creativity in coding abilities.
- **Students were motivated towards design thinking, innovative practices, prototyping of a model through workshops, seminars and guest lectures etc.** The Innovation and Incubation Cell (IIC) introduced Innovation day on 15th October 2019 to display the student's innovative ideas in memory of Dr A.P.J Abdul Kalam. The innovative models developed and exhibited at various platforms helped the students in getting good placement.
- **The faculty member from each department started assisting training and placement officer through identifying the core industries for the respective departments and succeeded in getting new core companies to the campus for placement drive.**

2. **COVID-19 Counter Initiatives Safety Security** along with excellence in academics and RD became the top priority during the outbreak of COVID 19. A team was constituted under the supervision of HoD, IT department to find the best solutions for completing the pending syllabus in the even semester of the academic year 2019-20 and conduction of internal examinations through online mode using MOODLE to handle the pandemic situation.

The principal constituted a committee to look after the sanitization and covid-19 preventive actions in the campus effectively under the supervision of the administrative officer. The principal constituted a team under the supervision of HoD, IT department to provide free access to COURSERA MOOCs platform for students and faculty to upgrade their skills during lockdown period succeeded in getting fruitful results.

- **Explored on innovative online resources for teaching and learning.**
- **Facilitated Network, Wi-Fi, Connectivity with adequate Bandwidth to continue academic activities such as online teaching-learning, Assessment and Evaluation with Online proctored examination for mid examinations, project reviews and virtual laboratories for Lab based Courses using Googlemeet, Zoom app, WebEx.**
- **Sanitization of physical infrastructure, classrooms, corridors, washrooms, office areas, distribution of masks, maintenance of hygiene.**
- **Capacity Building of student and Teachers with Online Education Resources such as coursera, webinars from professors of reputed Institutions**
- **Robust Mentor Mentee System for Student counseling on Internships and placement activities, Parents Interaction Forum**
- **Health Safety COVID specific advisories, posters, signage and instructions are displayed at important places in the campus to bring out awareness and reinforce responsible behavior**
- **Screening and social distance protocol w.r.t temperature reading and sanitization is followed.**

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 each):

Strategy Type	Details
Research and Development	The institute has a comprehensive strategic plan for the development of RD from 2015. The strategic plan comprises of review, analysis, report, and re-planning. • The faculty members who are pursuing Ph.D. are encouraged and motivated to complete their Ph.D.

work early by allowing special casual leaves and reducing their workload. • The faculty members are financially supported by reimbursing registration fees, travel, stay, and attending conferences. • The faculty who completed their Ph.D. are recognized, increments and salary hike are given as per the rules and regulations of the institute. It resulted in a tremendous increase in the number of doctorates to 130. • Faculty members are encouraged to publish their research work only in the quality journals with Scopus and SCI index. Incentives are given to the faculty for their publications • The publication of journal is made mandatory in the Performance Based Appraisal System. The publications are increased to 280 in 2019 from 254 in 2018. To enhance the grant of funded research, eminent research advisers from DST are appointed in the institute to guide and encourage the faculty to obtain sponsor research projects from the Government/Defense/Industry/Other agencies. • Travel costs incurred for the preparation, presentation of proposals and interaction with RD organizations are reimbursed. • Incentives are provided to the faculty who received project funding • Seed money is provided for in-house RD • Faculty is sponsored to IIT's/National/ RD Institutions for training/ interaction. • It is made mandatory for all Doctorates to apply for research funding projects. Faculty are also supported by reimbursing the expenses incurred in filing the patent. 36 patents were filed and 30 patents were published in 2019-20 • Incubation centers are established in every department for innovation and incubation. • Arranging Idea churning sessions with industry experts • Financial support is extended to students for making their innovative models and participate idea exhibits at institutes of reputation. Best student projects are identified every year and honored. • Organizes international conferences involving faculty from IIT and international experts regularly to enhance innovative thinking. JNTUK also recognised every department as a RD center.

Examination and Evaluation

The courses are evaluated by direct

and indirect methods. The evaluation is carried out by considering the performance in internal examinations (2 Assignment Examinations, 2 Mid Term Examinations, Home Assignment), in Direct method. While 'course end survey' collected from the students at the end of semester is used as feedback on Course Outcomes (COs), in Indirect assessment. Term Paper, Mini Project and Major Projects are evaluated through presentations and viva, as per rubrics defined. Finally Program Outcomes (POs) and Program Specific Outcomes (PSOs) are evaluated using course outcomes, Graduate Exit survey and Stakeholder's feedback.

Curriculum Development

1. Introduction Choice Based Credit System (CBCS) in practice. 2. Open electives across the programs to enhance the knowledge, breadth and professional competency of the students. Flexibility to register these courses offered by various departments. Self learning electives through approved MOOC platform such as Coursera, NPTEL, etc. 3. Internship is made mandatory in the curriculum. Students who are unable to attend internship have to complete the Industry offered course in the department or can complete the domain specific global certifications offered by the industry. 4. Engineering Project for community services (EPICS) was introduced to make students to go to the society (Villages/ Hospitals/Towns, etc,.) to identify the problem and provide a feasible solution. The student(s) is encouraged to solve real life problems, in a group of students/individual. 5. Students develop the hardware models in the seventh semester apart from the Major project in the eighth semester, in Mini project.

Industry Interaction / Collaboration

Development of skills for students by inviting experts on advanced technologies. • Skill development through Collaborative laboratories and Centers of Excellence (CoE) Siemens CoE in collaboration with Siemens India and APSSDC • CoE in Composites by DST • CISCO Networking Academy in collaboration with CISCO • IBM Software Lab in collaboration with IBM • 3D Excellence center by Dassault Systems •

Oracle Technologies Lab in collaboration with Oracle • Apple Authorised Training Centre for Education (AATCE)•Video Analytics Research Lab

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

E-governance area	Details
<p>Planning and Development</p>	<p>Institute has MISoperational modules CMS Software Tool,BEES Examination Tool, Tally accounting software to manage general administration, autonomous system, examinations, student attendance, continuous evaluation processandonline student feedback for faculty.Libsys software has been used for the management of library related activities. In view of COVID-19, online classes are being arranged along with off line classes for all programs, using zoom, webex, Goggle meet etc. As part of ICT, digital boards in all departments, emails, whatsapp are in practice. The institute is working under CCTV surveillance</p>
<p>Administration</p>	<p>The College operates in both vertical and horizontal directions. Heads of the department disburses the information by conducting the faculty meetings/ through email/ SMS to the stakeholders which include staff, students and their parents. Each programme is managed by a programme coordinator who works under the HOD. • Biometric Attendance is used to generate various reports such as Biometric Attendance Report-Department wise and faculty wise • CCTV surveillance is used to monitor and security purpose • E-notice Board is used for display of messages/ circulars and notices to faculty and students.</p>
<p>Finance and Accounts</p>	<p>Tally software is in operation for administrative work (Payment of salaries, accountability of CL's/EL's/ML's etc and Student Records). Student Admission and Support the Administrative Officer looks after the activities executed by clerical, programming, data entry and administrative staff.</p>
<p>Student Admission and Support</p>	<p>Student Admission Through web counseling. LMS: MOODLE : A user-friendly Learning Management System (LMS) is used by the faculty and students that supports learning and</p>

training needs • 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. Online feedback system has been taken up to foster transparency by inviting innovative ideas / suggestions for improvement in various academic and administration functions. Libsys software is used in the central library that provides centralized management such as book issue, book circulation history, administration, cataloging, reporting.

Examination

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 pre-examination and post-examinations works. Barcoding and automation process is in practice for the examination to avoid manual involvement to maintain more confidentiality All the monetary transactions (both the receipts and payments) are processed through CMS online software.

6.3 – Faculty Empowerment Strategies

6.3.1 – Teachers provided with financial support to attend conferences / workshops and towards membership fee of 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	Amount of support
2019	Mr K Praveen Kumar	India Instructor Conference in CISCO Networking Academy	NA	3000
2019	Mr K Praveen Kumar	India Instructor Conference in CISCO Networking Academy	NA	3000
2019	Mr K Praveen Kumar	India Instructor Conference in CISCO Networking Academy	NA	3000

2019	Dr. V. Mallikarjuna	AICTE Meet at Bangalore (24 th - 26 th September, 2019)	NA	6900
2019	Dr. V. Mallikarjuna	IQAC Meet at JNTUK, Kakinada (11 th November, 2019)	NA	2200
2019	Dr Chava Srinivas	Education Summit organised by AICTE-CII	NA	20971
2020	Dr Chava Srinivas	FUTURE OF LEARNING 2020 CONFERENCE organised by IIMB	NA	8022
2020	Y Kalyan Chakravarti Y Kalyan Chakravarti	CSI 2020 Annual Convention	NA	4396
2020	Y Kalyan Chakravarti	Advanced Deep Learning	NA	8500
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6.3.2 – Number of professional development / administrative training programmes organized by the Colleges for 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)
2020	WORKSHOP/FDP/SEMINAR/GUEST LECTURE/JOB ORIENTED COURSE etc.	One-day Workshop on "GIS" GIS DAY	11/07/2019	27/06/2020	5060	10
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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	Duration
One-week National Level online FDP on	3	01/06/2020	05/06/2020	5

<p>"EMERGING TECHNOLOGIES IN CIVIL ENGINEERING", 1st - 6th June 2020 , organized by Department of Civil Engg, Chaitanaya Bharathi Institute of Technology, Proddatur.</p>				
<p>National Level Webinar on "MODERN INFRASTRUCTURE CONSTRUCTION PRACTICES", organized by Department of Civil Engg, MIC College of Technology , 29th-30th May 2020.</p>	2	29/05/2020	30/05/2020	2
<p>Online FDP On Automative Structures Design Using CATIA- Organized By APSSDC In Association With Dassault Systems During 30.4.2020 To 02.05.2020</p>	5	30/04/2020	02/05/2020	3
<p>Indo-China webinar series jointly initiated by faculties from Shantou University, China, Vardhaman College of Engineering, Hyderabad , Indian Geotechnical Society Surat Chapter, SVNIT Surat and Qingdao</p>	2	08/05/2020	19/05/2020	12

University of Technology, China during 8 t h -19				
Online FDP on "Practical Aspects of Finite Elements Analysis using ABAQUS" organized by APSSDC in association with Dassault Systems during 18.4.2020 to 24.04.2020.	3	18/04/2020	24/04/2020	7
Three-day webinar, Development, Execution and Maintenance of EPC Projects, 28th -30th May 2020. KE Societys Rajarambapu Institute of Technology, Sangli, MH in association with Druv consultany Services , Navi Mumbai,	4	28/05/2020	30/05/2020	3
Three day online Faculty Development Programme on "Recent Emerging Trends in Civil Engineering" organized by the Department of Civil Engineering, Andhra Layola Institute of Engineering and Technology from 28th May to 30th May,2020.	6	28/05/2020	30/05/2020	3
One week online Faculty Development	6	25/05/2020	30/05/2020	6

Programme on "Civil Engineering Research-A Step Forward" organized by the Department of Civil Engineering, Gudlavalleru Engineering College from 25th May to 30th May, 2020.				
Five Day Webinar on "Indian Seismic codes IS:1893:2016 IS 13920:2016" organized by Department of Civil Engineering, R.M .K. Engineering college, Tamilnadu from 18th May to 22nd May, 2020	2	18/05/2020	22/05/2020	5
Online FDP on "Tools for online classroom Post covid-19" organized by P.B.Siddhartha College of Arts Science, Vijayawada during 18.5.2020 to 20.05.2020.	4	18/05/2020	20/05/2020	3
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6.3.4 – Faculty and Staff recruitment (no. for permanent recruitment):

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
333	333	132	132

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
<ul style="list-style-type: none"> Health card issued to the employees to get treatment at Pinnamaneni Siddhartha Institute of Medical Sciences, 	<ul style="list-style-type: none"> Health card issued to the employees to get treatment at Pinnamaneni Siddhartha Institute of Medical Sciences, 	<ul style="list-style-type: none"> Siddhartha Sahaya scholarship (Management of Velagapudi Ramakrishna Siddhartha Engineering College) is provided for

Gannavaram (Sister concerned institution) at discounted prices ° Laptops are provided to faculty members with a subsidized price • Facilitated Employee's co-operative society for credit and thrift which provides loans up to 5 Lakhs at a low-interest rate. • All the regularised teaching staff members covered under the Employees Provident Fund Scheme and Group savings linked insurance scheme (GSLI). • Maternity Leave for female staff members ° Half-pay medical leave for staff members • Special casual leaves are sanctioned for attending conferences and workshops • Study leave is granted for higher education and qualification improvement • Providing Registration fees, Dearness allowance, Travel grants for faculty attending conferences and workshops. • Incentives for RD activities • Seed Money for Initiating Research Work ° Incentives for publication in Journals and Conferences ° Incentives of 5 of the total research project grant obtained by the faculty ° Reduction of workload for the faculty during their final submission of the Ph.D thesis ° Increments after getting Ph.D • Reimbursement of entire expenditure (TA, DA, accomodation, Loal travel etc.,) for faculty interaction/discussion with RD personnel and submission of research proposals at various defence organizations ° Provision of space for

Gannavaram (Sister concerned institution) at discounted prices. • 50 contribution for the Synd Arogya scheme of Syndicate Bank for a policy of Rs.1 Lakh is provided by the institute. • Facilitated Employee's co-operative society for credit and thrift which provides loans up to 2 Lakhs at a low-interest rate. • All the regularised staff members are covered under the Employees Provident Fund Scheme and gratuity

poor and meritorious students. • Subsidized food at canteen. • Medical Treatment at Pinnamaneni Siddhartha Institute of Medical Sciences, Gannavaram (Sister concerned institution) at discounted prices. • Accidental insurance for all the students is being provided.

faculty startups •
 Provision of exclusive
 computing facilities to
 all senior faculty and
 faculty pursuing research
 • Recognition of the
 faculty with Best Teacher
 Award and Incentive °
 Sports and Fitness
 facilities 0 Subsidized
 food at the canteen

6.4 – Financial Management and Resource Mobilization

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

The college has the mechanism of both internal and external audits for all the financial activities carried out in the Institution every Year. Accounts department headed by Deputy Manager (Accounts) maintains financial accounts daily and prepares all financial statements and submits them to all statutory bodies like AICTE, UGC and State Government as and when required. The college has both Internal and External audit system. Internal Audit: The Principal constitutes an Internal Audit Committee with three members. The audit is conducted on a Sampling basis to check the correctness of the financial transactions and statement affairs of the Institution. The Committee verifies Cashbook, Bank accounts, Ledgers, Bills, Vouchers, and statement of cash position and cash flow physically and conducts sample check on the heads of various accounts, balance dates, and postings. External Audit: M/S Rajeswar and Co., Vijayawada, have been auditors for the Institution from the past two decades. An annual external audit is conducted, and the reports are submitted to the management. The Finance Committee ratifies these reports. Audit of funds received from Government and Non-Government research funding agencies Consultancy is duly done as per the guidelines of the funding agencies as and when required .

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

Name of the non government funding agencies /individuals	Funds/ Grnats received in Rs.	Purpose
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	2122590	1. Y Deemath(Top Marks in 3/ 4 B.Tech Mechanical 2. G AsamJyothi(Top Marks in 3/ 4 B.Tech Mechanical (Top Marks in 3/ 4 B.Tech) T V N P S SPrathyusha Best Outgoing Student in CSE) K S Manga Reddy (Best Outgoing Student in EEE) S Sumanth (Best Outgoing Student in EIE) 1. ShaikRiyaz (Highest Percentage of Marks in 2/4 B.Tech Mechanical) 2. N BhanuTeja (Highest Percentage of Marks in 1/4 B.Tech Mechanical) 28 students: each with

20,000 Rs 102 students: each with 15,000 Rs. 130 students (Given to children's of non-teaching staff , Those are best in academics V Naveen (Highest Aggregate marks in B.Tech 2nd and 3rd) Given to merit students whose parents income is less than 12000 (No of studnts:10)

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6.4.3 – Total corpus fund generated

377443244

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	External experts from institute of reputation	Yes	1. Senior faculty of other department 2. ISO DEPT Auditors
Administrative	Yes	ISO (TUV SUD) South Asia External Experts	Yes	HOD and ISO DEPT 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) Regular meetings with parents for improving regularity and performance of students 3) Identification of problems and counseling of students

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

1. Circuit design and analysis using cadence tools 2. One Week Training Program on LabVIEW Core-I and Core-II 3. Workshop on "Virtual Lab" 4. Guest Lecture on Art of Living [IT] 5. One-day Workshop on "GIS" GIS DAY [CE]

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

1. To handle the pandemic situation, pending syllabus in the even semester of academic year 2019-20 is completed and remaining internal examinations are conducted in online mode. 2. Provision of free access to COURSERA MOOCs platform for students and faculty to upgrade their skills during the lockdown period is initiated and 8387 courses are completed by faculty/students. 3. Provision of Hardware and Software facilities to conduct the classwork for 2020-21 academic year through online mode was initiated. 4. Provision of precautions/measures in the campus against COVID-19 unlock was initiated. 5. Initiated extension activity by involving technical expertise under Unnat Bharat Abhiyan.

6.5.5 – Internal Quality Assurance System Details

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

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	Number of participants
2019	Workshop on International Plastic Bag Free Day 2019 (IQACACMCSI)	03/07/2019	03/07/2019	03/07/2019	123
2019	Training: Naipunya Vikasam under AKSHARADAAN UNNAT BHARAT ABHIYAN SCHEME (IQAC)	27/12/2019	27/12/2019	08/01/2020	30
2020	Awareness Program on "Career Guidance" under Unnat Bharat Abhiyan Scheme (IQAC)	13/03/2020	13/03/2020	13/03/2020	80
2019	Guest Talk on "Campus to Corporate World"	21/08/2019	21/08/2019	21/08/2019	59
2019	One Day Workshop on "OBE Parameters, Assessment Evaluation" under AICTE MARGDARSHAN organized by IQAC Cell Department of CSE	08/11/2019	08/11/2019	08/11/2019	154
2019	Research Practice, Presentation and Publication	04/12/2019	04/12/2019	04/12/2019	68

	(RPPP)				
2020	Motivational Speech on "Hard-work is the key for success"	25/01/2020	25/01/2020	25/01/2020	120
2020	Webinar on "Writing Effective Research Proposals" under AICTE Margdarshan	27/05/2020	27/05/2020	27/05/2020	248
2020	Ensuring Quality Assurance in Higher Education: Role of Industry and Professional Bodies	01/06/2020	01/06/2020	01/06/2020	380
2020	Online Faculty Development Program (FDP) on "Effective Teaching - Learning Strategies in Technical Education"	22/06/2020	22/06/2020	26/06/2020	184

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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 the year)

Title of the programme	Period from	Period To	Number of Participants	
			Female	Male
Webinar on MENTAL HEALTH AWRENES	04/06/2020	04/06/2020	40	30
Rule of LAW and Criminal Justice	12/03/2020	12/03/2020	60	30
Women's day celebrations	08/03/2020	08/03/2020	200	Nil
Career development	26/02/2020	26/02/2020	350	Nil

program for girls students				
Mahilala Bhadratha Samajika Bhadhyatha	19/02/2020	19/02/2020	400	200
Women Mental Health	31/12/2019	31/12/2019	250	Nill
Naipunya Vikasam under AKSHARADAAN & UNNAT BHARAT ABHIYAN SCHEME (IQAC)	27/12/2019	27/12/2019	30	Nill
Naipunya Vikasam under AKSHARADAAN & UNNAT BHARAT ABHIYAN SCHEME (IQAC)	03/01/2020	03/01/2020	30	Nill
Naipunya Vikasam under AKSHARADAAN & UNNAT BHARAT ABHIYAN SCHEME (IQAC)	08/01/2020	08/01/2020	30	Nill
Work Experience in Amazon by C.Meghana, Programmer Analyst, Amazon, (Alumni 2017.18)	09/09/2019	09/09/2019	100	Nill
Cancer Awareness program	07/08/2019	07/08/2019	60	40
Girl.health awareness program	24/07/2019	24/07/2019	40	Nill

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

72.16, Power requirement met by renewable energy sources: 539280 kWh Total power requirement kWh: 747312 Renewable energy source: Solar

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Provision for lift	Yes	520
Rest Rooms	Yes	50
Physical facilities	Yes	21
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	Number of participating students and staff
2019	1	1	18/07/2019	1	Digital Literacy in association with Learning Links Foundation	Better economic condition of the youth is the symbol of healthy nation. Can also contribute to lower the crime rate in the society.	240
2019	1	1	19/07/2019	1	Awareness Program on 'Plastic Usage'	Students took part very actively in various activities to raise awareness on bad impacts of plastics at Padamata Z.P High School through visual media. To make a greater impact on school children to reduce usage of plastics at home.	200

2019	1	1	24/07/2019	1	Income tax day	Celebrated the day by honouring those assesses who file their taxes diligently. This "hand holding will enable them understand the recent changes in the forms, laws and utilities (softwares) of the direct taxes regime, a policy plan accessed.	100
2019	1	1	29/07/2019	1	Awareness Program on 'Water harvesting'	To reduce the use of ground water, can increase its levels. It involves collecting, filtering and storing rainwater in tanks.	20
2019	1	1	13/08/2019	1	World Organ Donation day	One single organ and tissue donor can save or	200

						improve the lives of more than eight people. There is no cost to the donor family for donating organs or tissues.	
2019	1	1	21/08/2019	1	Carrier Guidance Program	Opening Guidance Program on present Carrier. How to prepare for entrance test.	10
2019	1	1	29/08/2019	1	Fit India Movement	Our Sportsmen are giving new wings to our aspirations . The medals are not just a result of their hard work but also a reflection of a new Indias confidence.	200
2019	1	1	09/09/2019	1	World Literacy Day	Literacy is as important as food to be alive and success. Literacy has the ability	10

						to raise the family status and hence the country status. It is celebrated to encourage the people towards getting continuous education and understand their responsibilities	
2019	1	1	19/09/2019	1	Awareness Program on Bone Marrow	One single donor can save or improve the lives of people of victim family. There is no cost to the donor family for donating tissues.	120
2019	1	1	21/09/2019	1	Carrier guidance and Self. defence program	Opening Guidance Program on present Carrier a part of self. protection	15
View File							

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 published on 5th March 1981 and updated periodically.

Core values of the Institution	10/10/2019	Handbook was published on 5th March 1981 and updated periodically.
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7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
International Yoga Day	21/06/2020	21/06/2020	100
Clay Vinayaka Ideal distribution	31/08/2019	31/08/2019	200
Induction program for first years	09/08/2019	16/08/2019	1080
No file uploaded.			

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

<ul style="list-style-type: none"> • Solid Waste Management - Establishment of Compost plant • Plastic Free Campus • Increase in Plantation and greenery area • Replacing the conventional energy with solar energy • Rainwater harvesting • Annual Environmental Audit

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

Even though the college has quite a number of best practices, five of them, PBAS, Technical model development, Proctor system, Academic Audit and usage of MOODLE deserve special mention. There is a growing need for higher educational institutions to be more accountable to the expectations of Stakeholders. They have largely contributed to the achievement of the institutional goals as well as to the quality improvement of the activities. Best Practice-1

1. Title of the Practice : Performance Based Appraisal System Performance Based Appraisal System (PBAS) is an open, formal, and systematic procedure designed to assist both employer and employees in planning, managing, evaluating and realizing performance improvement in organization with an aim of achieving organizational goals. The college has developed PBAS to confidentially evaluate the annual academic and Professional contributions of faculty and is implemented since 2013-14.

2. Objectives of the Practice :

- To measure the performance of employees, provide feedback and assist them to improve their potential.
- To maintain records for the consideration of pay enhancement, promotions, special incentives etc.
- To identify distinctive academic talent and nurture it towards further advancement.
- To improve teaching learning process, student projects, model developments and Innovation.
- To obtain better Industrial and sponsored research and quality publications
- To improve faculty academic qualifications and certification through online courses.
- To improve in participation and organising Conferences/STTP/FDP/Seminar/ Workshop in association with premier institutions /research organisations and industry.
- Participation in administrative activities both at department, institute level and also in Co-curricular and Extra-curricular Activities.

3. The Context: The rapid technological advancements in academic and research environment of higher educational Institutions demand multi-dimensional participation of faculty. Industry and regulatory body requirement, UGC-CAS promotional guidelines have been considered in the design.

- Ineffective use of ICT Tools and online certification for effective Teaching learning process
- Less I-I-I and number of MOU's with Industry.
- Less number of publications in peer reviewed journals.
- Less participation of faculty in CEP's outside the institutes.
- To improve motivation for RD proposals.
- Some faculty are reluctant to participate in administrative activities.

The following are the contextual features addressed in the design and implementation of PBAS.

- Accountability:

Individual employee is accountable for his/her performance and resources allocated for each activity. • Participation: Involves employee in the process of setting up of objectives and achieving the targets set. • Motivation: Through the evaluation of employees, performance and efficiency can be determined by the targets achieved. This very well motivates a person to improve further. • Documentation: Helps the employee to generate required evidences for submission to PBAS which in turn will help the department to maintain records. • Goal setting: PBAS helps the employee to understand his/her role thus creating commitment in achieving personal as well as organizational goals.

4. The Practice: PBAS evaluation is based on various parameters such as Curricular, Co-Curricular, Extra-curricular, RD and Administrative activities on 1000 point scale. The weightage taken into consideration during the assessment and evaluation of these parameters varies depending on the cadre of the faculty. PBAS format is updated periodically based on the expectations of regulatory bodies. Departmental Faculty Assessment committee (DFAC) is constituted by the Principal with four faculty members from different departments with a chairmanship of senior professor. This committee evaluates all the faculty in the college and the faculty have to submit the necessary evidences during evaluation of the filled format. The filled PBAS forms are scrutinized meticulously by the Appraisal Screening Committee (ASC) comprising of Principal as the Chairman, the DEANS as members and the Chairman DFAC as the member and submitted to the Faculty Assessment Board (FAB). Principal generally concurs with the DFAC committee's API score unless there is an obvious, abnormal and deliberate hike or lowering of API score or he receives a representation from the faculty member seeking justice. If the final score falls below the minimum level the faculty is counselled for improvement.

5 Evidence of Success: This practice made all the faculty to be alert and duty conscious in fulfilling the guidelines and satisfying the goals. It also motivates to become good teachers. In addition the college is experiencing • Improved academic culture among the faculty and participation in research and administrative activities. • Use of ICT tools and MOODLE for effective teaching learning process. Initiation of Innovative model development practices. • Total Grants received from government and non-government organizations Rs.4.69 Crores during the last five years. • Total IPRs filed during the last 5 years is 30 out of which 24 were published • 62 Faculty were awarded Ph. D in the college during the last 5 years. • More than 120 faculty are NPTEL certified and institute received all India 7th rank by NPTEL. • Considerable improvement is observed in Research publications in peer reviewed indexed journals during last 5 years. • Most of the faculty are participating and organising FDPs, Workshops, Seminars, Guest lectures and Conferences. • Faculty along with students are participating in extension and societal activities like Blood donation camps, Tree plantation, donations to old age home and orphanages, social awareness camps in nearby villages. • The Institutional ranking and accreditation is the evidence of successful implementation of PBAS since 2013-14.

6 Problems Encountered and Resources Required

Problems Encountered • Manual evaluation of huge number of faculty involves more time and effort. Resources Required • Automation is needed to reduce the time at every step.

Best Practice - 2

1. Title of the Practice: Technical Model Development

2. Objectives of the 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 the 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 aim (or) Make In India, the students need to acquire both product development and entrepreneurship skills. • Lack of solutions for societal Problems. • To bring out 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 and guide the students to develop the innovative models. The students are encouraged to plan and prepare proposals in the field of their interest. • Encourages the student to work beyond the syllabus in every laboratory course • Majority of the 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. • The departmental research groups helps 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. •

AtleasttwomodelsmayleadtoPatentfromeachdept.inayearfromthisPlatform. • The same labs may be extended to Innovation Incubation 5. Evidence of Success: • 40of 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 • The 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 the departments is needed which leads to develop interdisciplinary models. Resources Required • Modern tools and equipment are to be procured. • Training for both 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 help the students. • College Cell Coordinator updates the information of competitions through Notice boards /Website Best Practice-3
 1. Title of the Practice :Student Counselling -Proctor system The Proctor System has been introduced for providing supportive care and counselling students in their academic and personal problems, from time to time, if any. This system helps the students.

Upload details of two best practices successfully implemented by the institution as per NAAC format in your 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 and thrust in not more than 500 words

The thrust areas focused to achieve 'VISION' are • Outcome based education • Training of faculty and students in advanced Technologies through Collaborative laboratories • Projects on society relevant problems. Out of the areas mentioned above the Institute has a distinction by establishing several Centers of Excellence (CoE) and Industry Collaborative Laboratories. The institute has established 3CoE and 20 Industry Collaborative laboratories and the details of

laboratories are described below. CENTERS OF EXCELLENCE (CoE): SIEMENS CoE:- This unique centre established in the college, in association with APSSDC as a PPP corporation to promote skill-development entrepreneurship in the state, is housed in a space of 23000 Sqft and other facilities worth Rs.5.50 Crores with 13 different labs. TIFAC (Technology Information, Forecasting and Assessment Council) CORE- DST: This project is a collaborative effort of TIFAC, VRSEC and industries in the domain of Telematics. VRSEC is the First private Engineering College in the state of AP to receive this project of worth of Rs36.33 crores which includes Rs27 crores worth of software. CoE in COMPOSITES: This centre is established in 2014 with DST- FIST in ME Dept to develop new materials which are economical and eco-friendly. The facility has equipment worth Rs. 60 lakhs that can be used for research, testing and consultancy. INDUSTRY COLLABORATIVE LABORATORIES: CISCO NETWORKING ACADEMY: This facility established in 2017 is contributing towards Industry recognized certifications with career oriented courses periodically on Cyber security, etc. IBM SOFTWARE LAB FOR EMERGING TECHNOLOGIES. : This lab is established in 2016, Dept of IT to provide training essentials of Big data with Hadoop using IBM infosphere, etc and on identity management. DASSAULT SYSTEMS: This facility established in 2018 in ME dept. stands as a 3D Experience centre supported by APSSDC to offer training on a bi-layered format in technologies on CATIA, SIMULIA, DELMIA, etc followed by opting for training in the domains of Automotive, Aerospace, Defence Ship building etc. ORACLE CORPORATION: The Lab started in CSE in 2017 has been running Oracle licensed software for developing applications. APPLE AUTHORIZED TRAINING CENTER FOR EDUCATION (AATCE) This facility was established in 2019 in IT Dept to provide training on developing apps related to IOS and SWIFT Programming. VIDEO ANALYTICS RESEARCH LAB- It is established in CSE Dept in 2014 to provide a base for video analytics research and to improve algorithm robustness. ANBLICKS IGNITE CENTRE It is established in 2019 to promote collaborative research activity between Anblicks and VRSEC, and to provide internships, product development avenues and Placements to students. Due to the above distinctiveness, the following outcomes have been achieved for the AY 2019-20. Faculty Outcomes • Total IPRs are 36 out of which 30 published and 2 are granted • 12 Faculty were awarded with Ph. D • Research papers published in the Journals and conferences are 280. Student Outcomes • Total Placements are 943 and Rs4 lakh package is 209 • Prizes/Awards in National and Global Competitions are 142 • Participation in National contests are 1038.

Provide the weblink of the institution

<https://www.vrsiddhartha.ac.in/wp-content/uploads/2020/12/distinctness2020.pdf>

8.Future Plans of Actions for Next Academic Year

National Institutional Ranking Framework (NIRF) The institute secured 156th rank in NIRF National Ranking 2020. It is 1st rank among private Engineering Colleges in Andhra Pradesh State. Principal took a decision to bring the institute below 100 rank in one or two years. It is taken up a major item in the IQAC action plan, keeping this target in view. ARIIA - Atal Ranking of Institutions on Innovation Achievements Categorized as "Band A Institution" (Rank between 06-25) in 2019-20 by Ministry of HRD, Govt. of India for outstanding Innovation and Entrepreneurship Development under Atal Ranking of Institutions on Innovation Achievements (ARIIA). It is planned to secure a place between 1 to 5, by improving the related metrics of ARIIA. Alumni identification for their diplomatic involvement in R D and consultancy The one of the major assets of the Institution is Alumni, which spread across the world at various prominent positions, from 1981. It is decided to utilize their services in a diplomatic way in Research funding, consultancy, Incubations, Startups, etc., by identifying the appropriate students. e -Content development facilities The importance of online classes is fully recognized by all academic institutions during pandemic situation of COVID lockdown. Keeping the importance of online teaching in future

in view, the IQAC is decided to make available the e-Content useful to the students by improving facilities of e-Content development. Innovations, Incubation, Start-ups Innovations, Incubation Start-ups are becoming a part and parcel of Higher Education. Therefore, IQAC felt the necessity of a dialog to exchange ideas with all stakeholders to promote the Incubation centers and Startups in the campus. Review of Performance Based Appraisal System (PBAS) Performance Based Appraisal System (PBAS), is an open, formal, and systematic procedure designed to assist both employer and employees in planning, managing, evaluating and realizing performance of improvement with an aim of achieving organizational goals, is one of the best practices in the Institution. The Institution implemented the PBAS since 2013-14, to evaluate the annual academic and Professional contributions of the faculty. The PBAS comprises various parameters related to academic talent, qualifications, innovations, Research Development, contributions to the society, etc. The IQAC is decided to revise the benchmarks of those parameters to meet the current scenario of Higher Education and strategic 5 year planning of the Institute. Review on further improvement of faculty pursuing PhD new PhD registrations and quality publications. As of today the percentage of faculty with PhD qualification is reached to 40. To reach the targets of '2020-25 strategic plan' of the institution, the IQAC is proposed to review the faculty who are pursuing their PhD along with new PhD registrations. In addition, the quality publications are also reviewed for their further improvement. Hostel accommodation to students The Management Principal aspire to provide residence to all students, both girls and boys with adequate facilities. So that, the students can carry out their academic activities very affectively.