Yearly Status Report - 2019-2020

Part A	
Data of the Institution	
1. Name of the Institution	**SRI VENKATESWARA COLLEGE OF ENGINEERING AND TECHNOLOGY**
Name of the head of the Institution	**Dr. M. Mohan Babu**
Designation	**Principal**
Does the Institution function from own campus	**Yes**
Phone no/Alternate Phone no.	**+919581993399**
Mobile no.	**7729999200**
Registered Email	**principal@svcetedu.org**
Alternate Email	**info@svcetedu.org**
Address	**R.V.S. Nagar**
City/Town	**CHITTOOR**
State/UT	**Andhra Pradesh**
Pincode	**517127**
2. Institutional Status	
Autonomous Status (Provide date of Conformant of Autonomous Status)	**06-Sep-2011**
Type of Institution	**Co-education**
Location	**Rural**
Financial Status	**Self financed**
Name of the IQAC co-ordinator/Director	**Dr. E. Lokanadha Reddy**
Phone no/Alternate Phone no.	**+917780373131**
Mobile no.	**7780373131**
Registered Email	**iqac@svcet.in**
Alternate Email	**principal@svcetedu.org**
3. Website Address	
Web-link of the AQAR: (Previous Academic Year)	**https://svcetedu.org/Uploads/aqar/SVCET-AQAR-2018-19.pdf**
4. Whether Academic Calendar prepared during the year	**Yes**
if yes,whether it is uploaded in the institutional website: Weblink :	**https://svcetedu.org/academic-calendar/**

5. Accreditation Details

Cycle	Grade	CGPA	Year of Accreditation	Validity	
				Period From	Period To
1	A	3.08	2017	12-Sep-2017	11-Sep-2022

6. Date of Establishment of IQAC

17-Mar-2011

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
Modern Teaching-Learning strategies	20-Jul-2019 01	180
Research based teaching	21-Sep-2019 01	45
Promoting student experiential learning for skill development	25-Jan-2020 01	180

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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
Institution	2(f)	UGC	2010 3629	0
Institution	12(b)	UGC	2010 3711	0
Institution	Colleges with Potential for Excellence (CPE)	UGC	2016 1463	0
Institution	Autonomy	UGC	2011 3392	0
Institution	SIRO	DSIR	2014 2239	0

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9. Whether composition of IQAC as per latest NAAC guidelines:	Yes
Upload latest notification of formation of IQAC	**View Link**
10. Number of IQAC meetings held during the year :	4
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 Uploaded File**
11. Whether IQAC received funding from any of the funding agency to support its activities during the year?	No

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

• Inputs on Curriculum design and development • Evaluation of students based on Blooms Taxonomy • Outcome Based Education Principles • Inputs for planning the agenda of statutory bodies • Annual Academic Audit

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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
Faculty development programs	• Subject domain training for teachers • Research and pedagogical skills
Student training activities	• Student placements in IT and core companies • Students pursuing higher education in national and international institutions
Promoting student experiential learning for skill development	• Increase in the laboratory component in the curriculum • New laboratories established
Augmenting library facilities	• Purchase of books pertaining to the programs as well for the competitive examinations
Novel teaching methods	• Improvement in quality of teaching • Improvement in pass percentage of the students
Curriculum Assessment strategies	• New assessment strategies for CO, PO and PSOs
Academic audit	• The status report of the functioning of the departments for further planning
Staff training programs (Domain and other skills)	• Capacity building of administrative, technical and support staff
Increasing faculty research output	• Increase in number of publications

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14. Whether AQAR was placed before statutory body ?	Yes

Name of Statutory Body	Meeting Date
Governing Body	06-Jan-2021

15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?	No

16. Whether institutional data submitted to AISHE:	Yes
Year of Submission	2020
Date of Submission	15-Feb-2020

17. Does the Institution have Management Information System ?	Yes
If yes, give a brief descripiton and a list of modules currently operational (maximum 500 words)	Yes, the institution uses BeeS ERP package for academic and administrative purposes of the Institutions The list of modules available are: • Campus Portal • Batch Management • Attendance Management • Examination Module • Library Management • Training and Placement Module • Alumni Module • Hostel Module • Transport Management • Payroll • Finance and Accounts Management • Inventory and Store

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

Nill	NA	NA	Nill

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

Programme with Code	Programme Specialization	Date of Introduction	Course with Code	Date of Introduction
BTech	Civil Engineering	01/06/2008	Computer Programming in C (17ACS01)	21/08/2017
BTech	Civil Engineering	01/06/2008	Computer Programming Lab (17ACS02)	21/08/2017
BTech	Civil Engineering	01/06/2008	Data Structures (17ACS03)	21/08/2017
BTech	Civil Engineering	01/06/2008	Computer Aided Engineering Drawing (17AME02)	21/08/2017
BTech	Civil Engineering	01/06/2008	Communication Skills Lab (17AHS07)	22/01/2018
BTech	Civil Engineering	01/06/2008	Data Structures Lab (17ACS05)	22/01/2018
BTech	Civil Engineering	01/06/2008	Quantitative Aptitude and Reasoning – I (17AHS10)	22/01/2018
BTech	Civil Engineering	01/06/2008	Intellectual Property Rights (17AHS11)	22/01/2018
BTech	Civil Engineering	01/06/2008	Clinical Psychology (17AHS12)	22/01/2018
BTech	Civil Engineering	01/06/2008	German Language (17AHS13)	22/01/2018

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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	MOOC-II: Embedded Software and Hardware Architecture (17AEE74)	16/12/2019
BTech	Energy Management Systems and SCADA (17AEE35)	16/12/2019
BTech	Industrial Automation and Control (17AEE35)	16/12/2019
BTech	MOOC-I: Electric Power Systems (17AEE72)	01/07/2019
BTech	Wind & Solar Power Systems (17AEE22)	16/12/2019
BTech	Power Systems and Protection Lab (17AEE41)	01/07/2019
BTech	Transmission and Distribution Lab (17AEE28)	01/07/2019
BTech	Transmission & Distribution of Electrical Power (17AEE20)	01/07/2019
BTech	Environmental Engineering Lab(17ACE46)	16/12/2019
BTech	Concrete Testing Lab(17ACE35)	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	Civil Engineering	01/07/2014
BTech	Electrical and Electronics Engineering	01/07/2014
BTech	Mechanical Engineering	01/07/2014
BTech	Electronics & Communication Engineering	01/07/2014
BTech	Computer Science & Engineering	01/07/2014
BTech	Information Technology	01/07/2014
BTech	Automobile Engineering	01/07/2014

Mtech	VLSI	01/05/2015
Mtech	CSE	01/05/2015
Mtech	PE & PD	01/05/2015
Mtech	CAD/CAM	01/05/2015
Mtech	Structural Engg	01/05/2015
MBA	MBA	01/05/2015
MCA	MCA	01/05/2015

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
Making Maintenance of Electrical Appliances	15/07/2019	43
Basics of Industrial Automation	02/01/2020	42
Embedded System Design using Arduino	23/12/2019	43
ARC 2.0 Programming	01/07/2019	45
Precast Construction Technologies	15/07/2019	46
Development of Green concrete	22/07/2019	46
Noise Control of Buildings	16/12/2019	56
Application of FEA Technologies for Civil Engineering Field	02/01/2020	62
Building Drafting using Auto CAD	23/12/2019	41
Solar PV Technology and IOT Applications	15/07/2019	42

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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 Field Projects	23
Mtech	Structural Engineering Field Projects	2
BTech	Electrical & Electronics Engineering Field Projects	24
BTech	Mechanical Engineering Field Projects	16
BTech	Electronics & Communication Engineering Field Projects	124
BTech	Electronics & Communication Engineering Internships	15
BTech	Computer Science & Engineering Internships	8
BTech	Information Technology Internship	4
MBA	MBA Project	56
MCA	MCA Internships	5

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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

The institution adopts online system for seeking the feedback/survey from various stakeholders. Each survey or feedback are established with a set of benchmark

values/rubrics for analysis and generation of report.

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
BTech	Civil Engineering	120	67	43
Mtech	Structural Engineering	18	10	8
BTech	Electrical and Electronics Engineering	60	47	22
Mtech	Power Electronics & Electrical Drives	18	7	5
BTech	Mechanical Engineering	120	71	42
Mtech	CAD/CAM	18	5	1
BTech	Electronics & Communication Engineering	240	269	231
Mtech	VLSI	18	2	1
BTech	Computer Science & Engineering	180	231	192
Mtech	Computer Science & Engineering	18	7	3

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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	2075	306	200	64	Nill

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	Numberof smart classrooms	E-resources and techniques used
264	264	Nill	81	63	Nill

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

Yes. The Institution adopts a mentor-mentee system where in a teacher mentor is allotted a batch of 10 Students for counselling. The process is conducted twice in a semester. The mentoring activities include • Suggestions for improvement in curricular aspects • Guidance relevant to preparation for National Examinations for higher education and Government group services • Mentoring for developing Traits in employability and entrepreneurship The mentor-mentee system is very much used in assessing the learning outcomes of students for improvement and guiding them for professional and personal development. The system thus facilitates to enhance the employability of students and their progression to higher studies.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
2381	264	1:9

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
34	34	0	34	16

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
2019	Dr.B.Damodhara Reddy	Professor	Outstanding Young Concrete Engineer – Indian Concrete Institute (ICI)
2019	Mr S Nagaraj	Associate Professor	NPTEL Silver Medal
2019	Dr A Mahamani	Professor	IUCEE Transformational Award from Indo-Universal Collaboration for Engineering Education - 2019

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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 examination
BTech	B.Tech	I/I	01/02/2020	19/06/2020
BTech	B.Tech	I/II	14/11/2020	24/02/2021
BTech	B.Tech	II/I	30/11/2019	30/12/2019
BTech	B.Tech	II/II	07/11/2020	29/01/2021
BTech	B.Tech	III/I	30/11/2019	30/12/2019
BTech	B.Tech	III/II	07/11/2020	29/01/2021
BTech	B.Tech	IV/I	30/11/2019	30/12/2019
BTech	B.Tech	IV/II	16/04/2020	19/06/2020
Mtech	M.Tech	I/I	25/02/2020	19/06/2020
Mtech	M.Tech	I/II	28/08/2020	26/03/2021

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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
5	2381	0.2

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://svcetedu.org/peos-psos-pos-cos-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
F0	MCA	MCA	74	72	97.3
E0	MBA	MBA	52	51	98.08
12	BTech	Information Technology	15	15	100
05	BTech	Computer Science & Engineering	120	120	100
04	BTech	Electronics & Communication Engineering	162	162	100
24	BTech	Automobile Engineering	3	3	100
03	BTech	Mechanical Engineering	101	101	100
02	BTech	Electrical and Electronics Engineering	41	41	100
20	Mtech	Structural Engineering	2	2	100

| 01 | BTech | Civil Engineering | 72 | 72 | 100 |

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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.svcetedu.org/iqac2021/sss2019-20.pdf

CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION

3.1 – Promotion of Research and Facilities

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

Yes			
Name of the teacher getting seed money	The amount of seed money	Year of receiving grant	Duration of the grant
V Siva Kumar	30000	2019	365

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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
Nill	NA	NA	Nill	NA

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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
Any Other (Specify)	2019	AICTE	14.38	12.84
Students Research Projects (Other than compulsory by the University)	90	SVCET	0.5	0.5
Major Projects	730	AICTE – MODROB	12.16	9.72
Major Projects	1095	DST	14.95	5.5
Major Projects	1095	DST-WOS-A	19.85	5.79
Major Projects	1825	DST-FIST	45	22.5

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

0.1

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
Workshop on Concrete Mix Proportioning	Civil Engineering	05/10/2019
One day Workshop on Construction Technologies for Smart Cities	Civil Engineering	12/09/2019
Seminar on Enhancing Excellence of Concrete Construction in Coastal Areas	Civil Engineering	19/02/2020
A Two day Seminar on "Advanced Power Electronics Converters for PV System"	Electrical and Electronics Engineering	06/02/2020
Robotics Workshop- Hands on Training	Mechanical Engineering	29/02/2020
Workshop on GOKARTING	Mechanical Engineering	29/02/2020
Hands on training on basic python and applications in engineering	Electronics and Communication Engineering	19/09/2019
One Day Workshop on Patent Law	Department of Management Studies	10/08/2019

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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
Design and Development of BIONICOPTER using drone techniques	V. Mahendra Reddy	NNRG, Hyderabad, Telangana	29/02/2020	Paper presentation

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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
NA	NA	NA	NA	NA	Nill

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3.4 – Research Publications and Awards

3.4.1 – Ph. Ds awarded during the year

Name of the Department	Number of PhD's Awarded
Mechanical Engineering	1
Electronics and Communication Engineering	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	2	Nill
International	Electrical and Electronics Engineering	5	0.3
National	Mechanical Engineering	5	Nill
International	Mechanical Engineering	9	Nill
International	Electronics and Communication Engineering	15	1.23
National	Computer Science and Engineering	6	Nill
International	Information Technology	2	Nill
International	Humanities and Sciences	6	1.03
National	Management Studies	5	2.06
International	Management Studies	9	1.23

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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
Computer Science and Engineering	3
Mechanical Engineering	4
Electrical and Electronics Engineering	1

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3.4.4 – Patents published/awarded during the year

Patent Details	Patent status	Patent Number	Date of Award
IoT based smart Health Monitoring system for Armed Forces	Published	202041029563	31/07/2020
"Internet of Things [IoT] enabled multipurpose card",	Published	201941052193	30/01/2020
IoT Enabled Dustbin Management Systems	Published	201941038177	27/09/2019
IoT enabled multipurpose chair	Published	201941037099	20/09/2019

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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
Automatic Object recognition based on Euclidean distance resrticted Auto Encoder	Dr T Sunil kumar Reddy	ARPN Journal of Engineering Applied Sciences	2019	Nill	SVCET(A)	1
Studies on the grinding force, size effect, surface texture, and mechanism of material removal in the grinding of AA6061-TiB2/ZrB2 in situ composite,	A Mahamani	Journal of Micromanufacturing	2019	Nill	SVCET(A)	Nill
Influence of Particle Size on Machinability Behavior in Turning of AA6061-AlN Composites.	A Mahamani	International Journal of Materials Forming and Machining Processes	2019	Nill	SVCET(A)	Nill
Mechanism of surface generation in grinding of AA6061-TiB2/ZrB2 in-situ composites	Mahamani A Jawahar S and Davim J.P	Journal of Computational and Applied Research in Mechanical Engineering	2019	Nill	SVCET(A)	Nill
Numerical and Experimental Validation of Chip Morphology	Mr. M. Sivarama Krishnaiah	International Journal of Advanced Research in Engineering and Technology (IJARET)	2019	Nill	SVCET(A)	Nill
An study on tensile strength and modulus properties of concrete using industrial waste vermiculite Granite fines	Dr.B.Damodhara Reddy Mr.N.Kiran Kumar	Springer Nature Journal	2019	Nill	SVCET(A)	Nill

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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
Performance analysis of hybrid power system along with conventional energy sources for sustainable development in rural areas	Dr.M.Muralidhar	International Journal of Recent Technology and Engineering	2019	3	2	SVCET(A), Chittoor.
A 13-level asymmetrical cascaded inverter for photovoltaic	Dr.G.Balasundaram	International Journal of Recent Technology and Engineering	2019	2	1	SVCET(A), Chittoor.

system with DC-DC flyback converter						
Shock wave induced enhancement of optical properties of benzil crystal	A. Sivakumar, A. Saranraj, S. Sahaya Jude Dhas, S.A. Martin BrittoDhas	Material Research ExpressVol(6)046205	2019	3	14	SVCET(A), Chittoor.
Shock Wave Induced Defect Engineering for Investigation on Optical Properties of Triglycine Sulfate (TGS) Crystal	A. Sivakumar, A. Saranraj, S. Sahaya Jude Dhas, M. Jose, S.A. Martin BrittoDha	Journal of Optical Engineering Vol(58)077104	2019	4	12	SVCET(A), Chittoor.
Investigation on the impact of xylenol orange dye on the growth and properties of unidirectional grown KDP crystals for photonic applications	A. Saranraj, S. Sahaya Jude Dhas, M. Jose, P. Karuppasamy, M. SenthilPandian, P. Ramasamy, S. A. Martin BrittoDhas	Journal of Crystal GrowthVol(523)125154	2019	2	8	SVCET(A), Chittoor.
Modification of Optical Properties of Ammonium Dihydrogen Phosphate Crystal by Employing Shock Waves	A. Sivakumar, A. Saranraj, S. Sahaya Jude Dhas, M. Jose, K. Kamala Bharathi, S. A. Martin BrittoDhas	Journal of Optical EngineeringVol(1)118725	2019	4	6	SVCET(A), Chittoor.
Training Granular Convolution Neural Network with Depth Motion Maps along with Joint Angular Displacement Maps for Kinect based Human Action Recognition	D.Srihari	Jour of Adv Research in Dynamical Control Systems	2019	2	1	SVCET(A), Chittoor.
A four-stream Conv Net based on spatial and depth flow for human action classification using RGB-D data	D.Srihari	Springer ScienceBusiness Media, LLC, part of Springer	2020	2	0	SVCET(A), Chittoor.
Shape and color feature based Melanoma diagnosis using Dermoscopic images	T.Sreelatha	Journal of Ambient Intelligence and Humanized Computing – SCIE	2020	2	0	SVCET(A), Chittoor.
Texture classification using CSTC-Mel identification model for	T.Sreelatha	Journal of Mechanics of Continua and Mathematical Sciences [ESCI]	2020	2	1	SVCET(A), Chittoor.

diagnosis of melanoma								

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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	**73**	**562**	**5**	**Nill**
Presented papers	**31**	**47**	**3**	**Nill**
Resource persons	**4**	**15**	**3**	**Nill**

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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)
Civil Engineering	**Concrete Mix Designs, Preliminary tests on Cement, Sand, Coarse Aggregates, Testing of Steel Specimens, Soil Testing for different parameters, Bitumen grades testing, Proof Check of Structural Drawings**	**• SIRCO Projects Private Limited • Flotek Engineering Services Pvt.Ltd. • Krishi Infratech Engineering Contractors, Bangalore • VEJK Builders Private Limited, Chennai • MCHS Kattamanchi, Chittoor**	**120650**
Electrical and Electronics Engineering	**Transformer Fault Analysis and Rewinding**	**33KV ONDM, Chittoor**	**45000**
Department of Management Studies	**SMM Campaign Management**	**The Hangout, Tirupati**	**35000**
Computer Science Engineering	**Services of Computer Networking**	**Ostilo Pvt.Ltd, Hyderabad**	**50000**
Information Technology	**Networking and Services**	**DevmanIT**	**50000**
Mechanical Engineering	**Material Characterisation**	**TRIDENT Hyderabad**	**49800**
Electronics and Communication Engineering	**Development of Microwave Devices**	**TECHNO LAB, Bangalore**	**55000**
Electrical and Electronics Engineering	**Design and Development of Various electrical controllers for special purpose applications**	**RATHNA Electricals**	**50000**

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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
Civil Engineering	**Practical Training**	**The Institution of Civil Engineers**	**138000**	**46**
Electrical and Electronics Engineering	**Transformer oil Testing**	**11KV Substation, Chittoor**	**8000**	**8**
Department of Management Studies	**Marketing Assistance for MSMEs in Chittoor District**	**MSME, Chittoor**	**Nill**	**10**

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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/ collaborating agency	Number of teachers participated in such activities	Number of students participated in such activities
The Pulse Polio Immunization	Govt. Hospital, Chittoor	6	270
Awareness program on Human Rights Day	District Legal Services Authority, Chittoor	4	180
AIDS Awareness Programme Ralli	Govt. Hospital, Chittoor	2	60
NSS AWARENESS CAMP ON CYBER CRIME	NSS Units, SVCET, Chittoor in association with AP Police Authorities	12	120
OFFLINE/ONLINE ELECTORAL REGISTRATION PROCESS	MRO office, Puthalapattu	20	900
Blood donation camp in collaboration with Govt. Hospital, Chittoor	Govt. Hospital, Chittoor	8	75
NSS Day Celebrations	NSS Units, SVCET, Chittoor	20	700
World Environment Day-Plant a Sapling and take a selfie challenge	NSS Units, SVCET, Chittoor in association with District Forest Office, Chittoor	10	275
Anti Ragging Awareness programme	District Legal Services Authority, Chittoor	26	1200
Anti Ragging Awareness programme	A.P. Police Authorities	14	720

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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
NA	NA	NA	0

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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 activites	Number of students participated in such activites
National Service Scheme	NSS UNIT 1 2	International Womens Day	20	750
Neeru Pragathi	Government of Andhra Pradesh, Water Resources Department	NEERU-PRAGATHI UDYAMAM (Planting Trees)	2	90
National Service Scheme	NSS UNIT 1 2	AIDS Awareness Programme	15	650
National Service Scheme	NSS UNIT 1 2	Clean Green Programme	16	700
National Service Scheme	NSS UNIT 1 2	plastic awareness program	12	450

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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
Welding of similar dissimilar materials of SS and nickel based alloys	Dr. V Harinadh	SVCET	365

Dissemination of respective expertise in Civil Engineering-Highway Engineering through the road infrastructure development	Dr. B Damodhara Reddy	National Highways Authority of India (NHAI)	1825

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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
Internship	Knowledge Transfer in Civil / Highway Engineering Field through road infrastructure Development	National Highways Authority of India (NHAI)	15/10/2020	31/12/2020	08
Training	To update students on Latest Software used in Civil Engineering field	ECONSTURCT Design Build Pvt. Ltd, Bangalore	05/09/2020	30/11/2020	48
Internship	CREO software with ELEATION	ELEATION Pvt. Ltd, Pune	18/01/2020	02/02/2020	48
Internship	Analysis of Alternators	NTTP, Nellore	15/07/2019	20/07/2019	10
Internship	Study of different types of Relays	400 KV Substations, Vepenchery, Chittoor.	18/02/2020	27/02/2020	12
Training	3D Modelling Using Catia	APSSDC Dassault Systems	01/07/2019	31/10/2019	60
Training	3D Modelling Using Catia	APSSDC Dassault Systems	15/12/2019	15/03/2020	90
Training	TURNING NC PROGRAMMING	JNTUA, ANANTAPUR	05/08/2019	10/08/2019	55
Training	TURNING NC PROGRAMMING	JNTUA, ANANTAPUR	16/09/2019	21/09/2019	55
Training	RobCAD BASICS	JNTUA, ANANTAPUR	05/08/2019	10/08/2019	51

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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
APSSDC Dassault Systems	10/01/2019	Software training on CATIA and DELMIA	222
ARC (Applied Robotics Lab)	02/01/2019	Hands on Training on Robotic Programming	223
FOSS(Spoken Tutorial) IIT Bombay	01/02/2014	Training on free open Source Tools	118
REDHAT Academy , Pune	16/10/2019	Training on REDHAT Administration	51
L4G Coursera	29/03/2020	MOOCs	1050
The Institution of Civil Engineers (India)	26/05/2012	To conduct practical Training Tests and submission of project reports in respect of ICI	110
National Highways Authority of India (NHAI)	13/10/2020	For betterment of the Highway Infrastructure	10
Elevation Pvt. Ltd. Maharashtra	21/06/2020	Training the Students on Industry needs of Design Engineers	34
Econstruct Design Build Pvt. Ltd. Bangalore	07/09/2020	Training the Students on Industry needs of Construction and Design Engineers	45
Blue Prism	19/08/2020	Training on Robotics programming	52

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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
110	83.27

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Campus Area	Existing
Class rooms	Existing
Laboratories	Existing
Seminar Halls	Existing
Classrooms with LCD facilities	Existing
Classrooms with Wi-Fi OR LAN	Existing
Seminar halls with ICT facilities	Existing
Video Centre	Existing
Number of important equipments purchased (Greater than 1-0 lakh) during the current year	Existing
Value of the equipment purchased during the year (rs. in lakhs)	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
HCL SMART LIBRARY MANAGEMENT SYSTEM	Fully	1	2008

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	62996	20978250	1229	409257	64225	21387507
Reference Books	10751	3622374	234	77922	10985	3700296
Journals	164	318232	Nill	Nill	164	318232
e-Journals	555	98002	Nill	Nill	555	98002
CD & Video	2000	Nill	Nill	Nill	2000	Nill

No file uploaded.

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
S NAGARAJ	Microwave Theory and Techniques	NPTEL	01/09/2020

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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	1046	483	230	15	314	58	63	200	113
Added	0	0	0	0	0	0	0	0	0
Total	1046	483	230	15	314	58	63	200	113

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

200 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
Video recording centre	https://www.youtube.com/watch?v=oS_H0uZ92Mg
Video recording centre	https://www.youtube.com/watch?v=E95wt3yvGj8
Video recording centre	https://www.youtube.com/watch?v=1T_DMpN7XYU
Video recording centre	https://www.youtube.com/watch?v=l0_EDUOAjIQ
Video recording centre	https://www.youtube.com/watch?v=8DtgqLyfH-E
Video recording centre	https://www.youtube.com/watch?v=uwDvjSP2J2s
Video recording centre	https://youtu.be/c-JvDtuIMFw
Video recording centre	https://youtu.be/tBbqkrHVAag
Video recording centre	https://youtu.be/4IbT4K2oTrc
Video recording centre	https://youtu.be/im3cdM0Ye3w
Video recording centre	https://youtu.be/BtnuRCBM0Z0
Video recording centre	https://youtu.be/XYFtyO9faWc
Video recording centre	https://youtu.be/Vzgu7hbdiPU
Video recording centre	https://youtu.be/HYV0RgzkcR4
Video recording centre	https://youtu.be/PzPRe-827Wk
Video recording centre	https://youtu.be/EI3yUpBmdpA
Video recording centre	https://youtu.be/Kb4dAZ5xpo8
Video recording centre	https://youtu.be/X_4B79RPAj0
Video recording centre	https://youtu.be/WVthiAeUlWE
Video recording centre	https://www.youtube.com/watch?v=0Xhf6AuLQIE
Video recording centre	https://www.youtube.com/watch?v=ebDWssXEwq0
Video recording centre	https://www.youtube.com/watch?v=gwCjj8L98Dw
Video recording centre	https://www.youtube.com/watch?v=8LO-8qHSdt0
Video recording centre	https://www.youtube.com/watch?v=C_QoMpL54ow
Video recording centre	https://www.youtube.com/watch?v=Vz9Q9Ll4t4E
Video recording centre	https://www.youtube.com/watch?v=f9d7M8VCWcE
Video recording centre	https://youtu.be/aKAA9yxRPd4
Video recording centre	https://www.youtube.com/watch?v=JZ8ByERw4wA
Video recording centre	https://www.youtube.com/watch?v=wQTs-jb9k5g
Video recording centre	https://www.youtube.com/watch?v=6iU0CwQM_vc
Video recording centre	https://www.youtube.com/watch?v=Xo2ytsXH0_w
Video recording centre	https://www.youtube.com/watch?v=XgpJljIf79Y
Video recording centre	https://www.youtube.com/watch?v=xWEmGZWD5c4
Video recording centre	https://www.youtube.com/watch?v=ez1IArHadhM
Video recording centre	https://www.youtube.com/watch?v=oF1EBhvyibE
Video recording centre	https://www.youtube.com/watch?v=8IVPCekyHm4
Video recording centre	https://www.youtube.com/watch?v=Hg2hK2vCdHM

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 incurredon maintenance of physical facilites
620	483.6	490	350.17

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)

The institution strictly adheres to the norms and guidelines prescribed by AICTE in terms of establishing infrastructure. Based on this, a simplified operating policy is developed to create and maintain the infrastructure, for academic and support facilities. AICTE prescribed components of infrastructure: 1. Instructional Area: Classrooms, Tutorial Rooms, PG Class rooms, Laboratory, Work Shop, Computer Centre, Drawing Hall, Library and Reading Room and Seminar Halls 2. Administrative Area: Principal/Director room, Office, Board Room, Office all inclusive, Department Offices, Cabins for Head of Departments, Faculty Rooms, Central Stores, Maintenance, Housekeeping, Pantry for staff/Faculty, Common Room, Examinations Control Office, Training and Placement Office 3. Amenities Area Toilets (Ladies and Gents), Boys Common Room, Girls Common Room, Cafeteria, Stationery Store and

Reprography, First Aid cum Sick room, Principal 's quarter, Guest House, Sports Club/ Gymnasium, Auditorium/ Boys Hostel, Girls Hostel 4. Circulation Area: Common walk ways, staircases, entrance lobby, etc.,

https://svcetedu.org/infrastructure-maintenance-policy/

CRITERION V – STUDENT SUPPORT AND PROGRESSION

5.1 – Student Support

5.1.1 – Scholarships and Financial Support

	Name/Title of the scheme	Number of students	Amount in Rupees
Financial Support from institution	Smt. Harika Memorial Cultural Trust	20	500000
Financial Support from Other Sources			
a) National	Fee Reimbursement	1705	109372300
b) International	Nill	Nill	Nill

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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 implemetation	Number of students enrolled	Agencies involved
Soft Skill Development	01/07/2019	2381	Training and Placement
Remedial classes	01/07/2019	375	All Departments
Language Lab	01/07/2019	2075	Humanities Department
Mentoring	01/07/2019	2381	Student Mentors
Personal Counselling	01/07/2019	2381	Student Mentors
Yoga	10/08/2019	250	Art of Living, Tirupati

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

Year	Name of the scheme	Number of benefited students for competitive examination	Number of benefited students by career counseling activities	Number of students who have passedin the comp. exam	Number of studentsp placed
2019	GATE Coaching	275	Nill	19	Nill
2019	Career Counselling	Nill	521	Nill	507

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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
7	7	3

5.2 – Student Progression

5.2.1 – Details of campus placement during the year

On campus			Off campus		
Nameof organizations visited	Number of students participated	Number of stduents placed	Nameof organizations visited	Number of students participated	Number of stduents placed
CTS	280	90	ATOS SYNTEL	220	56

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

Year	Number of students	Programme graduated	Depratment graduated from	Name of institution joined	Name of programme admitted to

2019	1	B.Tech	CSE	S V University, Tirupati	M.Tech(CSE)
enrolling into higher education	from				
2019	1	B.Tech	CSE	S V University, Tirupati	M.Tech(CSE)
2019	10	B.Tech	ECE	VIT University , Vellore, JNTUA, Ananthapuramu, NIT Allahabad, University of Central Missouri, andForeign Universities etc	M.Tech /M.S/ MBA
2019	1	B.Tech	EEE	VIT University , Vellore	M.Tech -2020(Power Electronics & Drives)
2019	24	B.Tech.	Civil Engineering	JNTUA, Ananthapuramu, JNTUK, Kakinada, S V University, Tirupati and Foreign Universities etc	M.Tech

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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
GATE	2
Any Other	1

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

Activity	Level	Number of Participants
College Annual Meet	Institution Level	475
Inter Departmental Badminton Competition	Institution Level	45
Inter Departmental Throw Ball Competition	Institution Level	64
Inter Departmental Basketball Competition	Institution Level	128
Inter Departmental Volley Ball Competition	Institution Level	128
Inter Departmental Cricket Competition	Institution Level	112
Autonomous Engineering Colleges Inter-collegiate Games Meet	University Level	235
Fresher's day Celebration	Institution Level	450
Inter Departmental Kabbadi Competition	Institution Level	80
Inter Departmental Chess and Carroms Competition	Institution Level	525

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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/ Internaional	Number of awards for Sports	Number of awards for Cultural	Student ID number	Name of the student
2019	Basket Ball(Women)Runners in 6th Autonomous Engineering Colleges Inter Collegiate Games Meet-Jan-2020 organized by SVCET, Chittoor	National	Nill	Nill	18781A0485	P.LAVANYA

2019	Volleyball (Men) winners in 6th Autonomous Engineering Colleges Inter Collegiate Games Meet-Jan-2020 organized by SVCET, Chittoor	National	Nill	Nill	16781A0320	K..BHARATH
2019	Volleyball (Men) winners in 6th Autonomous Engineering Colleges Inter Collegiate Games Meet-Jan-2020 organized by SVCET, Chittoor	National	Nill	Nill	19781A0543	D.JAGADEESH
2019	Basket Ball(Women)Runners in 6th Autonomous Engineering Colleges Inter Collegiate Games Meet-Jan-2020 organized by SVCET, Chittoor	National	Nill	Nill	17781A05D6	T.LATHA SREE
2019	Basket Ball(Women)Runners in 6th Autonomous Engineering Colleges Inter Collegiate Games Meet-Jan-2020 organized by SVCET, Chittoor	National	Nill	Nill	17781A05D4	T.SHIVANI
2019	Basket Ball(Women)Runners in 6th Autonomous Engineering Colleges Inter Collegiate Games Meet-Jan-2020 organized by SVCET, Chittoor	National	Nill	Nill	17781A0494	M.CHANDRAS SARALA
2019	Basket Ball(Women)Runners in 6th Autonomous Engineering Colleges Inter Collegiate Games Meet-Jan-2020 organized by SVCET, Chittoor	National	Nill	Nill	18781A0435	D.V.NAVYA
2019	Basket Ball(Women)Runners in 6th Autonomous Engineering Colleges Inter Collegiate Games Meet-Jan-2020 organized by SVCET, Chittoor	National	Nill	Nill	18781A0584	P.POOJA
2019	Basket Ball(Women)Runners in 6th Autonomous Engineering Colleges Inter Collegiate Games Meet-Jan-2020 organized by SVCET, Chittoor	National	Nill	Nill	19781A05H8	V.VANITHA
2019	Basket Ball(Women)Runners in 6th Autonomous Engineering Colleges Inter Collegiate Games Meet-Jan-2020 organized by SVCET, Chittoor	National	Nill	Nill	19781A05G0	S.SRI LAKSHMI

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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)

Student Council is a nominated body. Every section of a class has one boy and girl representatives. The third-year student representatives are nominated as office bearers for this council based on their competencies and interests. One senior professor is made in-charge for mentoring the council activities. To arrive at student needs and aspirations, the institution has been promoting greater participation of students in certain relevant decision-making process through a few statutory and non-statutory bodies. Both the current students and alumni are part of these bodies Student participation in academic other activities • Student participation and their feedback for design of syllabus to design of evaluation process is ensured in creation of Vison, Mission, PEOs, Syllabus formation, evaluation and curriculum gap analysis. • Alumni is a part of Board of Studies • Students of Institute are involved in several committees to present their views for their development and the college as well. • The committees include Board of studies (BOS) of respective departments, IQAC, Disciplinary committee, women empowerment cell, Grievance Redressal Committee, Hostel Committee, and anti-ragging committee. There are student technical associations in each Department besides this, students are also members in many professional society chapters Viz., ISTE, IEEE, IETE, ACM, ASCE, ASME. Students organize extra and co-curricular activities under these associations and chapters. Student Council takes care of academic, co-curricular and extra -curricular activities such as: • Organization of Student Conferences, Workshops Seminars in various curricular co-curricular areas • Supporting the organization at Institution level workshops, Conferences, Seminars as part of Organizing Committee. • Organization of sports and games at Institution level and regional level with the support of Institute Administration • Organization of cultural activities like: Annual Cultural Event, Teachers Day, Republic Day, Engineers Day, Debates, Essay Writing, Elocution, Hackathon, Ideathon • Social and technology extension activities in neighbouring villages of the institution to providing educational, health, hygiene sanitation services and green practices • Supporting the organization at Institution level workshops, Conferences, Seminars as part of Organizing Committee. • Organization of sports and games at Institution level and regional level with

the support of Institution's Administration • Organization of cultural activities like: Annual Cultural Event, Teachers Day, Republic Day, Engineers Day, Debates, Essay Writing, Elocution, Hackathon, Ideathon • Social and technology extension activities in neighbouring villages of the institution to providing educational, health, hygiene sanitation services and green practices

5.4 - Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

Yes

The institution is having a formal alumni association which is very active and regarded as a key stake holder in Academic and other development areas of the institution. Their contribution is huge in issues such as inputs for articulation of Vision, Mission, PEOs, Syllabus, evaluations, creation of amenities, Industry Institute needs and placements. Alumni members are part of BOS of the respective departments. The Institution organizes annual Alumni event which will be attended by its Alumni, not only in India but across the world. This event, which is organized in Every Year is generally attended by more than five hundred members. Alumni help the institutions in following ways: 1. Support by delivering Guest Lectures in the area of their expertise. 2. Helping institution by providing contacts for student's placement. 3. Providing some amenities in their respective Departments. 4. Guiding students who are going abroad for Higher education by providing temporary accommodation and other services. The institution is proud of achievements of its Alumni.

5.4.2 – No. of registered Alumni:

1450

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

325000

5.4.4 – Meetings/activities organized by Alumni Association :

Alumni Association of the college is formed. Every year 19th of April will be celebrated as Alumni Association day

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)

6.1.1 Mention two practices of decentralization and participative management during the last year (maximum 500 words) With the focus by all the prime stakeholders on outcome-based education it has necessitated to constitute an advisory committee to implement it to the best possible extent. The real need lies in • Eliciting feedback on articulation/redefining of Program educational objectives, program specific outcomes and course outcomes • Curriculum design and development strategies, associated delivery mechanisms, support resources and assessment strategies • Strategies for attainment of Course outcomes, program outcomes and program specific outcomes. Outcome based education needs the attention and contribution of all the faculty members, support staff of the institution to make students smoothly undergo the transformation with the guidance of the committee. Composition: External academic experts, Head of the Department, Chairman-Board of Studies, industry experts, Members from professional societies and Alumni Outcome: Outcome based education principles and implementation strategies Academic Audit Committee: Academic Audit is designed to scrutinize the strategic management and challenges in academic standards and quality within the programs and practices of the departments which is aligned to professional, statutory and regulatory bodies such as AICTE, UGC, NBA and NAAC processes. The Audit evaluates the full range of college activities including Teaching, Learning, Evaluation, research, consultancy, student development, faculty development, Industry interface among others. The principal delegates this function to the Chairman, Academic Audit Committee who is a senior professor nominated by the Academic council and approved by the Governing Body. Composition: Chairman, Academic Audit Committee, Two external experts, two senior Heads of the Department Outcome: Identify the strengths and weaknesses and recommend good practices

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
Teaching and Learning	• Using modern tools and techniques in teaching • Encouraging enhanced student participation though experiential learning, peer

	learning and problem solving • Providing e learning resources for self-learning
Curriculum Development	• Introducing choice-based credit system, • Designing and developing curriculum content in line with American Societies Professional Knowledge areas. • Introducing courses related to skill development, values and entrepreneurship into curriculum • Seeking feedback from stakeholders for revising and updating the curriculum
Library, ICT and Physical Infrastructure / Instrumentation	• Designing infrastructure ergonomically. • Creating modern library facilities with multi-media support. • Creating smart classrooms to suit modern teaching learning practices. • Adopting ICT in teaching, learning, training and administrative purposes for quality enhancement and transparency. • Introducing MOOCS in course structure for technology enhanced learning.
Research and Development	• Recruiting teachers with experience and competence in research. • Equipping laboratories with relevant modern equipment, software and library resources to suit research demands. • Applying for external research funding in focused frontier areas.
Examination and Evaluation	• Designing examinations and other assessments based on Bloom's Taxonomy • Adopting comprehensive formative assessments for continuous evaluation of students • Adopt technology in evaluation for speedy processing, quality and transparency
Admission of Students	• Continuously updating the Institution's website projecting infrastructure, achievements and opportunities. • Presenting actively in the print/electronic media by continuously publishing Institutions' information.
Industry Interaction / Collaboration	• Liaising with industry for faculty, staff and student development. • Tie-up with industry for setting-up of advanced laboratories on campus. • Recruiting professionals from industry as adjunct faculty. • Seeking feedback and inputs from industry on curricular aspects and skill development.
Human Resource Management	• Preparing an Institutional comprehensive training development plan for faculty and staff. • Supporting faculty in qualification upgradation. • Sponsoring faculty training in industry to acquire real time experience and expertise.

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

E-governace area	Details
Planning and Development	Academic calendar, course configuration, Time table generations, teaching plans, scheduling co- curricular and extracurricular events, attendance and promotions
Administration	Campus Portal, Student Batch Management Library Management Transport Management HR module
Finance and Accounts	Payroll, Inventory and Store, Finance and Accounts Management
Student Admission and Support	Student admission and profiling Training and Placement Module Alumni Module and Hostel Module
Examination	Examination Module

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	Dr. B Damodhara Reddy	National Workshop on Precast Construction Technology(PCT), at SV University, Tirupati	Nill	4000
2019	N Kiran Kumar	National Workshop on Precast Construction Technology(PCT), at SV University, Tirupati	Nill	4000
2019	N Kiran Kumar	National Workshop on Structural Health Monitoring of Civil Engineering Structures conducted by VIT University, Vellore	Nill	3000
2019	Dr Y N Vijaya Kumar	4th International Conference on Trends in Electronics and Informatics (ICOEI 2020) in	Nill	7000

		collaboration with IEEE, conducted by SCAD College of Engineering Technology, Tirunelveli		
2019	Dr. M Muralidhar	5th International Conference on Science Technology Engineering Mathematics (ICONSTEM), Conducted by VIT University, Vellore	Nill	4000
2020	Dr. V Harinadh	International Conference on Advanced light weight materials and structures conducted by CMR Technical Campus, Hyderabad	Nill	7000
2020	Dr. V Harinadh	International Conference on Manufacturing, Material Science and Engineering Conducted by CMRIT, Hyderabad	Nill	16000
2019	T. Sreelatha	International conference of Communication, Signal Processing VLSI(IC2SV2019) Springer conference conducted by NIT Warangal	Nill	9000
2019	L. Sivaprasad	International conference of Communication, Signal Processing VLSI(IC2SV2019) Springer conference conducted by NIT Warangal	Nill	9000
2019	S. Nagaraj	International conference of Communication, Signal Processing VLSI(IC2SV2019) Springer conference conducted by NIT Warangal	Nill	9000

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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)
2019	Noise Control of Buildings conducted by Civil Engineering Department, SVCET	Nill	04/10/2019	05/10/2019	8	Nill
2019	Concrete Mix proportioning conducted by Ultratech	Concrete Mix proportioning conducted by Ultratech	04/10/2019	05/10/2019	8	1
2020	Nill	Plumbing System in Residential Buildings conducted by Civil Engineering Department, SVCET	26/01/2020	27/01/2020	Nill	4
2019	Performance Evaluation on Solar PV Systems conducted by Electrical Electronics Engineering Department, SVCET	Nill	08/08/2019	10/08/2019	12	Nill
2019	Art of Ethical Hacking conducted by Computer Science Engineering Department	Nill	10/12/2019	12/12/2019	28	Nill
2019	Deep learning with Python conducted by Information Technology Department	Nill	20/01/2020	23/01/2020	10	Nill
2020	Research Challenges in Mechanical Engineering	Nill	22/06/2020	27/06/2020	30	Nill
2020	Research Areas In Mechanical Engineering	Nill	16/06/2020	18/06/2020	30	Nill
2020	Data Science Applications	Nill	16/03/2020	20/03/2020	24	Nill

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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
Automotive Structures Design Using CATIA	2	30/04/2020	02/05/2020	Nill
Practical Aspects of Finite Analysis Using ABAQUS	2	18/04/2020	24/05/2020	Nill
Materials Processing and Optimization	1	06/07/2020	10/07/2020	Nill
Design for manufacturing assembly	2	21/05/2020	23/05/2020	Nill
CATIA V5 Chassis design	1	20/07/2020	24/07/2020	Nill
Additive Manufacturing for Medical and Aerospace Applications (Phase-1)"	1	16/11/2020	21/11/2020	Nill
Additive Manufacturing for Medical and Aerospace Applications (Phase-2)	1	26/10/2020	31/10/2020	Nill
Outcome Based Education and Accreditation	1	05/10/2020	09/10/2020	Nill
3D Printing and Design	1	07/12/2020	11/12/2020	Nill
Blended Learning and Flipped Classroom- ATAL	1	10/08/2020	14/08/2020	Nill

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

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
34	34	10	10

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
Group Medical Health Insurance, Subsidised Transportation and Free Transportation during beyond working hours, Group Personal Accidental Policy, Purified Mineral water across the campus and Health Centre	Group Medical Health Insurance, Subsidised Transportation and Free Transportation during beyond working hours, Group Personal Accidental Policy, Purified Mineral water across the campus, Health Centre	Group Personal accidental Policy for all the students, Subsidised Transportation and Free Transportation during beyond working hours, Gymnasium, Yoga with Meditation hall, Purified Mineral water across the campus, Health Centre, Canteen Service with subsidised Rates, Aid for the Students Participating in overseas conference, Arrangement of bicycles to move in the Campus

6.4 – Financial Management and Resource Mobilization

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

The Governing Body of the Institution shall direct and oversee the Institution's arrangements for internal and external financial audit. An Audit committee chaired by the Head of the Institution, with the Finance Officer and one senior professor of the Institution as the members shall undertake and facilitate the process of Audit (both internal and external) and report to the Governing Body. The internal audit of finance is done as day-to-day monitoring by the Principal and the accounting team. The external audit is done once in a year.

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
NA	0	NA

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6.4.3 – Total corpus fund generated

0

6.5 – Internal Quality Assurance System

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

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	Yes	AAA Committee	Yes	IQAC
Administrative	Yes	AAA Committee	Yes	IQAC

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

Parents are regularly invited to Parent Teacher meetings to discuss the need /problem / progress of their wards. Relationship Management Centre with an exclusive psychology counsellor is created chiefly to strengthen the parent teacher relationship. Student mentor details are provided to the parents to pursue their ward's performance

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

• Training / workshops/seminars are conducted. • Academic / study leaves are granted to encourage higher education. • Financial support is provided to the staff for acquiring higher qualification

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

• 3 week Induction program for Ist B.Tech students is introduced. • Introduction of Design sensitization course as part of Academic curriculum. • The Learning outcomes of students attainment in Outcome Based Education (OBE) though Automation. • Up-gradation of faculty knowledge to suit industry 4 needs by incorporating emerging technologies like AI,ML, Data Sciences, Internet of Things, 3D Printing etc. • Revision of Curriculum in 5 B.Tech and 11 M.Tech programs

6.5.5 – Internal Quality Assurance System Details

a) Submission of Data for AISHE portal	Yes
b)Participation in NIRF	Yes
c)ISO certification	No
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	Modern Teaching-Learning strategies	20/07/2019	20/07/2019	20/07/2019	180
2019	Research based teaching	21/09/2019	21/09/2019	21/09/2019	45
2020	Promoting student experiential learning for skill development	25/01/2020	25/01/2020	25/01/2020	180

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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
Women's day celebration	08/03/2020	08/03/2020	120	10
Women Empowerment program for faculty and students	10/11/2019	10/11/2019	250	Nill
Self Defence workshop for Girls	15/09/2019	16/09/2019	225	Nill
Awareness Camp on Women Self-Reliance	15/12/2019	15/12/2019	60	Nill
Poster Making on 'Economic Empowerment of Indian Women'	04/01/2020	04/01/2020	25	Nill
Women in Engineering-WIE	10/03/2020	10/03/2020	75	Nill
Awareness Programme on Women Empowerment	15/12/2020	15/12/2020	50	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
Environmental Consciousness and Sustainability: • On the occasion of green day celebration on 18.11.2018, plantation was done in the college premises and felicitating the gardeners of the college for maintaining the better environment inside the college. • Design and implemented the Rain water harvesting techniques.

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Physical facilities	Yes	Nill
Provision for lift	Yes	Nill
Ramp/Rails	Yes	Nill
Braille Software/facilities	Yes	Nill
Rest Rooms	Yes	Nill
Scribes for examination	Yes	1
Special skill development for differently abled students	Yes	Nill

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	Nill	1	20/07/2019	1	Awareness on Traffic Safety Measures by Civil Mechanical Engineering Departments	Road safety and congestion	20
2019	Nill	1	31/08/2019	1	Medical Camp by NSS units in association with RVS Hospital, Chittoor	Basic health check-up and profiling	18
2019	Nill	1	26/10/2019	1	Tree plantation programme by NSS Units	Afforestation and mitigating pollution	50
2019	Nill	1	21/12/2019	1	Safety Empowerment of Women by Women's Cell NSS Units q	Basic rights of women, different development schemes available for women development	32
2019	Nill	1	18/01/2020	1	Swacch Bharat campaign	Maintenance of the surroundings and community	132

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7.1.5 – Human Values and Professional Ethics

Title	Date of publication	Follow up(max 100 words)
Code of Conduct for employees	01/06/2017	All the staff members (Teaching Non-Teaching staff) are apprised about the Roles Responsibilities associated with their positions. This helps communicate the expected the code of conduct from each employee.

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
Introduced Professional Ethics as Audit course	01/11/2019	31/03/2020	2075
Workshop on Application of Ethical Theories for Resolving Ethical Dilemmas	23/01/2020	25/01/2020	100

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

• Rain Water Harvesting • Green Campus • CCTV Camera • Usage of LED Tube Lights • Water Purifier • Reuse of Papers • Hydrants for fire safety

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

Describe at least two institutional best practices Practice#1 Title of the Practice: Implementation of Outcome Based Education Principles Objectives of the Practice • To offer more directed coherent curriculum. • To produce well rounded graduates more "relevant" to industry research • To undertake Continuous Quality Improvement (CQI) for attaining student excellence The Context In traditional educational system where content-driven approach to teaching has been referred to as a teacher-centered approach. Also instructional objectives and learning outcomes are not comprehensively planned and informed to students. Student assessment is not aligned to program outcomes. Hence Outcome-Based Education is essential and is judged upon the creation and offering of the Education Program based on Bloom's Taxonomy. The Practice Outcome-Based Education (OBE) focuses on the graduate attributes or outcomes after completing an academic program. This approach helps to know what you want to achieve and then taking the steps to do so. Hence The desired outcomes are determined first and the program curriculum, teaching and learning methodology and supporting facilities are designed to support the intended outcomes. The curriculum is designed top-down approach and the assessment is made bottom-up approach. Evidence of Success The curriculum designed is now tailor-made to attain the program outcomes and program specific outcomes The system is providing opportunity to measure the student performance through objective attainment strategies. Also, the system is providing scope for gap analysis and enabling the institution for continuous improvement in curriculum and associated practices Problems Encountered and Resources Required • Orienting the faculty to enhance the scope from lower order thinking skills of Knowledge, Comprehension and Application to Higher order thinking skills of Analysis, Evaluation and Creation • Creating evaluation system to suit the attainment strategies • The systems and practices are more relative and customized to meet the stakeholder standards and needs and sometime it becomes tough to defend • Continuous awareness and training programs of the members of faculty and assessment tools are required to Notes: Outcome-based education is the order of the day and its implementation is a must for attaining prescribed competencies by the students Practice#2 Title of the Practice: Curriculum design and development for student holistic development Objectives of the Practice: • To provide a curriculum to the future needs of students • To design and develop syllabus with knowledge and skills for 'breadth over depth' • Periodic collection of feedback from stakeholders for continuous improvement of curriculum and relevant resources The Context: The education objectives that are stated to address the aspirations of the students and requirements of the industry are incongruent. The demands from the various sectors of the industry necessitate the institution to place a contemporary curriculum with judicious mix of attitude, skills and knowledge as part of the learning outcomes of the students. Since the conferment of autonomy, the institution in exercising its academic flexibility and has been in constant pursuit of providing curriculum as a quality product, process and practice. The Practice: • Incorporating content and courses in each broad knowledge areas of programs consistent to American professional societies and institutions of national and international repute. • Periodic stakeholder's feedback on curriculum objectives, content and outcomes • Inducting the best of minds from academia and industry in the respective disciplines to Boards of Studies and Academic Council of the institution for curriculum design, development and update. Evidence of Success: • Courses relevant to industry practices and research are part of the curriculum of all the programs offered. • Enhanced learning outcomes of the students • The student progression to higher education and career is improving Problems Encountered and Resources Required • Continuous interaction with experts for revision and updation of curriculum • Training all the teachers in curriculum development strategies to contribute novel insights • Infrastructure, and resources to implement the curriculum Notes: curriculum as a significant program specific criterion has to be internalized by all the stakeholders for attaining the set program objectives

Upload details of two best practices successfully implemented by the institution as per NAAC format in your institution website, provide the link
https://www.svcetedu.org/iqac2021/bp201920.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

Thrust area: Teaching – learning The vision of the institution is to train young students into dynamic, competent, valued and knowledgeable professionals who will contribute to the nation. They are provided with contemporary education to get well rounded personalities. Also, the mission of the institution is to focus on faculty and student research and innovation so that institution contributes it best by producing brilliant alumni besides outcomes of research and innovation for the growth and development of the nation Priority:

The institution introduced changes in curriculum and pedagogy to achieve better student learning outcomes. Also teaching instruction is designed to help students develop their strengths and confidence to develop professionally and personally. Thrust: The thrust on teaching-learning process is given by the Institution to • Efficient delivery of knowledge • Comprehensive skills Development • Training students in human values and professional ethics • Mentoring students for lifelong learning Outcome: • Enhanced placement rate • Greater progression to higher education • Student entrepreneurs

Provide the weblink of the institution
https://www.svcetedu.org/iqac2021/dis1920.pdf

8.Future Plans of Actions for Next Academic Year

• To encourage faculty and students to pursue advanced courses from NPTEL and other premiere MOOC service providers • To organize industry relevant value-added courses in life skills and transferable skills for enhancing the employability of the students • To conduct training for students and faculty from professional bodies and industry • To provide opportunities for students through industrial training and internship for real time experience • To organize special awareness and training programs on entrepreneurship with the participation of successful entrepreneurs, angel investors and other financial entities • To invite professionals from industry to serve as adjunct faculty. • To liaise with Industry for setting up of labs and skills development centers