Yearly Status Report - 2019-2020

Part A	
Data of the Institution	
1. Name of the Institution	**SREE VIDYANIKETHAN ENGINEERING COLLEGE (AUTONOMOUS)**
Name of the head of the Institution	**P.C. KRISHNAMACHARY**
Designation	**Principal**
Does the Institution function from own campus	**Yes**
Phone no/Alternate Phone no.	**0877-3066900**
Mobile no.	**9160999961**
Registered Email	**svecp@vidyanikethan.edu**
Alternate Email	**principal.12@jntua.ac.in**
Address	**Sree Sainath Nagar, A.Rangampet, Tirupati, Andhra Pradesh. Pin 517102**
City/Town	**TIRUPATI**
State/UT	**Andhra Pradesh**
Pincode	**517102**

2. Institutional Status

Autonomous Status (Provide date of Conformant of Autonomous Status)	**02-Jun-2010**
Type of Institution	**Co-education**
Location	**Rural**
Financial Status	**Self financed**
Name of the IQAC co-ordinator/Director	**Dr.B.Narendra Kumar Rao**
Phone no/Alternate Phone no.	**08773066900**
Mobile no.	**8919277231**
Registered Email	**iqac@vidyanikethan.edu**
Alternate Email	**hod_cse@vidyanikethan.edu**

3. Website Address

Web-link of the AQAR: (Previous Academic Year)	https://www.svec.education/wp-content/uploads/2021/07/AQAR-2018-19.pdf

4. Whether Academic Calendar prepared during the year

4. Whether Academic Calendar prepared during the year	**Yes**
if yes,whether it is uploaded in the institutional website: Weblink :	https://www.svec.education/academic-calendars/

5. Accrediation Details

Cycle	Grade	CGPA	Year of Accrediation	Validity Period From	Period To
1	**A**	**3.11**	**2013**	**23-Mar-2013**	**22-Mar-2018**
2	**A**	**3.07**	**2019**	**15-Jul-2019**	**14-Jul-2024**

6. Date of Establishment of IQAC

6. Date of Establishment of IQAC	**07-Feb-2013**

7. Internal Quality Assurance System

Quality initiatives by IQAC during the year for promoting quality culture		
Item /Title of the quality initiative by	Date & Duration	Number of participants/ beneficiaries

IQAC		
A Five-Day Workshop on Effective Teaching (IIEECP Phase-I)	09-Dec-2019 5	40
SVEC Campus Visit by Dr.Nitin Kumar Tripathy, Dean Special Programs , AIT, Thailand for Internal Collaborations	14-Dec-2019 1	18
Sponsor for Conference & Faculty for 26th IEEE International Conference on High Performance Computing, Data, and Analytics	17-Dec-2019 3	10
Course Content Delivery by Industry Expert on Mobile Application Development	20-Dec-2019 8	109
Faculty Members Visit to Queens University, Belfast, UK	10-Feb-2020 6	3
RECALL ALUMNI Meet	04-Jan-2020 1	150
One Week FDP on Research & Innovation	09-Mar-2020 5	30
Online Classwork (During COVID-19 Lockdown)	06-Apr-2020 120	3500
COVID-19: Statement of Purpose & Campus Guidelines	21-May-2020 4	3500
[View File](#)		

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
Sree Vidyanikethan Engineering College	DST FIST Program	DST	2012 1825	2000000
Sree Vidyanikethan Engineering College	Technical Education Quality Improvement Programme-II (TEQIP-II)	World Bank	2011 2190	60000000
Sree Vidyanikethan Engineering	UGC CPE	UGC	2016 1825	0

College					
View File					

9. Whether composition of IQAC as per latest NAAC guidelines:	**Yes**
Upload latest notification of formation of IQAC	View File
10. Number of IQAC meetings held during the year :	**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 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)

Accreditation of CSE, IT, ECE, EEE, CSSE, CE ME by NBA Initiative for Procurement of Turnitin: A similarity check software Preparation of SOP Guidelines for modus of operation during COVID pandemic

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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
Induction Program for Fresher's	AICTE Model Induction program was conducted for I Year B.Tech students
NBA Accreditation	Departments of CSE, IT, ECE, EEE, CSSE, CE & ME are accredited by NBA
NAAC Re-Assessment	Institution is preparing for NAAC Re-Assessment
Curriculum Revision as per needs of industry and other statutory bodies	SVEC19 & SVEC-20 curriculum and Regulations are being formulated as per the industry needs and AICTE model curriculum.
International Collaborations	Faculty members from SVEC visited Queens University, Belfast for Academic Collaborations
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14. Whether AQAR was placed before statutory body ?	Yes

Name of Statutory Body	Meeting Date
Governing Body	07-Mar-2020

15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?	Yes
Date of Visit	24-Sep-2018
16. Whether institutional data submitted to AISHE:	Yes
Year of Submission	2020
Date of Submission	07-Mar-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)	NIVA is Academic and Administrative process automation ERP for Sree Vidyanikethan Engineering College. NIVA Operational Modules Snapshot 1. Admissions Enquiry, Admissions process 2. Student view and edit profile 3. Fee payments fee reimbursement module, General fee module, Adhoc fees, online payments 4. MentorMentee Module conducting recording of counseling sessions, update mentee cocurricular and extracurricular participation details 5. Student exit and alumni apply for no due, download course completion certificate, register as alumni, submission of feedback during exit 6. User service -apply for bonafide certificate 7. User administration change password, reset password, user login and password change history 8. Transportation apply for transportation, pay fee 9. Feedback module feedback on faculty, feedback on any other general , surveys 10. Internal Examination module generation of notification, finalize nominal rolls, generation of timetable, seating plan, allocation of invigilation duties ,attendance posting, mark submission, publish results 11. Daily evaluation

module daily evaluation of practical based courses 12. External examination module generation of notification, registration of exam, online payments, finalize nominal rolls, generation of timetable, seating plan, allocation of invigilation duties 13. COVID Selfdeclaration form 14. Deployment of Online Education Verification Module for Employers 15. Logins of HODs of SVEC can edit the profile of his department students 16. Generate readmission order when detained student is promoted. 17. Master fee configuration for external examination notifications 18. Integrated an online payment option for Revaluation/Recounting/personal verification Module

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
BTech	04	Electronics and Communication Engineering	12/07/2020
Mtech	61	Communication Systems	12/07/2020
Mtech	38	Digital Electronics and Communication Systems	12/07/2020
Mtech	57	VLSI	12/07/2020
BTech	02	Electrical and Electronics Engineering	13/07/2020
Mtech	07	Electrical Power Systems	13/07/2020
Mtech	83	Power Electronics and Drives	13/07/2020
BTech	05	Computer Science and Engineering	10/06/2019
Mtech	05	Computer Science	16/12/2019
Mtech	63	Computer Networks and Information Security	16/12/2019
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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	27/06/2019	Construction Planning and Project Management - 16BT30101	27/06/2019
BTech	Civil Engineering	27/06/2019	Fluid Mechanics and Hydraulic Machinery - 16BT30102	27/06/2019
BTech	Civil Engineering	27/06/2019	Mechanics of Solids - 16BT30103	27/06/2019
BTech	Civil Engineering	27/06/2019	Surveying - 16BT30104	27/06/2019
BTech	Civil Engineering	27/06/2019	Fluid Mechanics and Hydraulic Machinery Lab - 16BT30131	27/06/2019
BTech	Civil Engineering	27/06/2019	Strength of Materials Lab - 16BT30132	27/06/2019
BTech	Civil Engineering	27/06/2019	Surveying Lab - 16BT30133	27/06/2019
BTech	Civil Engineering	20/01/2020	Concrete Technology Lab - 16BT40131	20/01/2020
BTech	Civil Engineering	20/01/2020	Engineering Geology Lab - 16BT40132	20/01/2020
BTech	Civil Engineering	20/01/2020	Concrete Technology - 16BT40101	20/01/2020
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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	Costing and Finance Management for Civil Engineers - 16BT5HS02	24/06/2019
BTech	Soft Skills Lab - 16BT4HS31	20/01/2020
BTech	Applied Physics lab - 19BT2BS31	20/01/2020

BTech	Applied Physics – 19BT2BS02	20/01/2020
BTech	Programming for Problem Solving Lab – 19BT10531	24/06/2019
BTech	Programming for Problem Solving – 19BT10501	24/06/2019
BTech	Basic Electrical and Electronics Engineering Lab – 19BT10231	24/06/2019
BTech	Basic Electrical and Electronics Engineering – 19BT10201	24/06/2019
BTech	Biology for Engineers – 19BT1BS02	24/06/2019
BTech	Spoken English – 19BT1AC01	24/06/2019
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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	Electronics and Communication Engineering	24/06/2019
Mtech	Digital Electronics and Communication Systems	25/09/2019
Mtech	VLSI	25/09/2019
Mtech	Communication Systems	25/09/2019
BTech	Electrical and Electronics Engineering	24/06/2019
Mtech	Electrical Power Systems	25/09/2019
Mtech	Power Electronics and Drives	25/09/2019
BTech	Computer Science and Engineering	24/06/2019
Mtech	Computer Science	25/09/2019
BTech	Computer Science and Systems Engineering	24/06/2019
BTech	Information Technolgy	24/06/2019
Mtech	Software Engineering	25/09/2019
BTech	Civil Engineering	24/06/2019
BTech	Mechanical Engineering	24/06/2019
MCA	Master of Computer Applications	22/07/2019

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
Workshop on Architectural Modelling using Rivet	23/12/2019	125
Workshop on Structural Analysis using ETABS	29/12/2019	128
Add-on Course on Total Station Survey	20/01/2020	142
Joint-Outreach Training Program on Solar PV power Infrastructure and Solutions	23/07/2019	57
Value Added Course on SCILAB for Mechanical Engineering	16/09/2019	50
Short Term Training Program on PCB Design Using EDA Tools-eSim	18/02/2020	34
Add-on Course on Network Programming in Java	15/10/2019	25
Hands-on Training on 8051 Microcontroller Programming using Keil Software	27/12/2019	52
Training Program on Advanced Python Programming	26/06/2019	116
Add on course on Cyber Security for Business	17/08/2019	70
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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	Electronics and Communication Engineering	4
BTech	Electronics and Communication Engineering	8
BTech	Electronics and Communication Engineering	2
BTech	Electronics and Communication Engineering	1
BTech	Electronics and Communication Engineering	2
BTech	Electronics and Communication Engineering	17
BTech	Electronics and	33

		Communication Engineering	
BTech	Electronics and Communication Engineering	1
Mtech	VLSI	3
BTech	Electronics and Communication Engineering	2
[View File](#)			

1.4 – Feedback System

1.4.1 – Whether structured feedback received from all the stakeholders.

Students	Yes
Teachers	Yes
Employers	Yes
Alumni	Yes
Parents	No

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 collects feedback on academic administrative issues and then analyses the same for the overall development of the institution. The following are the stakeholders who provide feedback and the inputs: a. Students b. Alumni c. Faculty d. Employer Description on purpose and utilization of feedback from stakeholders: a. Student Feedback: Institution collects the feedback from the Students on the quality of teaching-learning practices and curriculum through the following: i. Students provide feedback on the faculty and teaching-learning practices, which is conducted through online and open for all the students of different programs ii. Student provides Course End survey at the end of every course to provide feedback of course under consideration. iii. Student-Exit survey at the end of the program, it provides the feedback on the entire program of study. The student feedback on the faculty is taken twice in a semester to monitor the teaching process and the faculty with feedback less than a fixed threshold are counseled for improved performance. This feedback motivates faculty to provide quality education imparted to its students. The Course End Survey provides the required feedback on detailed implementation of course contents delivered to the students during their course of study. Student-Exit Survey attributes to careful tuning of course contents and components in the curriculum for enhanced student learning outcomes and outcome attainments. b. Alumni Feedback: Alumni provide their feedback on the curricular components, its relevance and industry preparedness. Alumni provides inputs in the form of his experiences and enhancements required on the course content and curriculum offered to him. Alumni feedback provides insight into the aspects or gaps for improvement in the curriculum to bridge them appropriately. c. Faculty Feedback: Faculty provides inputs on the subjects, concepts and its relevance to the student development Faculty provides inputs on the course contents and its appropriateness which further is used to improve student learning outcomes from teaching-learning perspective. d. Employer Feedback: Employer provides feedback on student performance after placement as to provide an idea for curricular relevance. Employer provides the input on performance of the graduates in industry and provides required inputs to fill the gaps in the curriculum to take appropriate actions and make students industry-ready.

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
Mtech	Electrical Power Systems	38	1	1
Mtech	Computer Science	38	3	3
BTech	Mechanical Engineering	193	149	149
BTech	Information Technology	128	131	131
BTech	Electronics and Instrumentation Engineering	128	51	51
BTech	Electrical and Electronics Engineering	257	208	208
BTech	Electronics and Communication Engineering	257	237	237
BTech	Computer Science and Systems Engineering	128	125	125
BTech	Computer Science Engineering	257	277	277
BTech	Civil Engineering	129	124	124

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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	5518	243	359	40	20

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-	ICT Tools and resources available	Number of ICT enabled Classrooms	Numberof smart classrooms	E-resources and techniques used

Resources)					
403	**313**	**12**	**74**	**9**	**10**

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

Student Mentoring System is one of the student-centric quality practice followed in the institution. The Faculty mentors are assigned to a group of 15-20 students from the first year of their graduate study or under graduate programs during the induction program organized for the students. The induction program is organized as per the guidelines of AICTE guidelines and many practices are carry forwarded from thereon. The Faculty members from parent department of corresponding branch or department are allocated as mentors for the students. The Faculty mentor is responsible for guiding mentees(students) in problems or issues faced by him in academic or financial or psychological front. The Students meet their faculty mentor once in a month or four times in a given semester (whichever is feasible for both). The same faculty mentor will be responsible for guiding the students in the above aspects until the completion of the UG/PG course undertaken by the student. The guidance includes the following aspects: curricular aspects, career guidance, student training and any other leading to holistic student development. The Faculty Mentor regularly monitors students' academic performance, attendance to classwork, guide him in choosing variety of courses for offering, certification courses, in case of elective subjects etc… SVEC has signed an MoU with YourDost to offer exclusive and personalized counseling services to the students. All the Students are encouraged to register with their website for availing counseling services both online/Offline services for personal, career and Professional counseling. Counselors from YourDost visit the campus twice in a given month and counsel the students for the same.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
5756	**347**	**1:17**

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
403	**403**	**14**	**14**	**146**

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. M. S Sujatha**	**Professor**	**Got appointed as Session Chair in International Conference on Applications Of Mems, Nano And Smart Materials (ICMNSM - 2019) at Sree Vidyanikethan Engineering College, Tirupati**
2019	**Dr. M. S Sujatha**	**Professor**	**Got appointed as Session Chair in Third International Conference on Advance Materials**

			(ICAM)-2019 at Mahatma Gandhi University, Kottayam, Kerala
2019	Dr. M. S Sujatha	Professor	Delivered an Invited Talk in Third International Conference on Advance Materials (ICAM)-2019 at Mahatma Gandhi University, Kottayam, Kerala
2019	Dr. M. S Sujatha	Professor	Obtained letter of Appreciation for delivering a lecture on "Yoga-I" in Induction Program
2020	Dr. T. Devaraju	Professor	Awarded one doctorate under the supervision.
2020	Dr. T. Devaraju	Professor	Appointed as resource person to deliver GATE classes for B.Tech(EEE) students of A.P on Control systems by APSCHE and JNTUA
2019	Dr. N. M. G. Kumar	Professor	Got appointed as Trainer at Training Classes for newly appointed Junior Linemen's (JLM grade-2) at APSPDCL, Chittoor
2019	Dr. P. Srinivasa Rao	Associate Professor	Published Patent on "Artificial Light Power Generating Solar Panel System" Application no. 201941049772A in India
2019	Dr. A. Yasmine Begum	Associate Professor	Got appointed as Reviewer for the Journal "Bulletin of Electrical Engineering and Informatics"
2019	Dr. I. Kumar Swamy	Associate Professor	Got appointed as Reviewer for Engineering, Technology Applied

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	BT	IV B.Tech II Sem. (SVEC16) Regular Examinations May-2020	19/05/2020	19/05/2020
BTech	BT	I B.Tech I Semester (SVEC16) Supplementary Examinations September-2020	09/10/2020	07/11/2020
BTech	BT	II B.Tech I Sem. (SVEC16) Supplementary Examinations September-2020	10/10/2020	07/11/2020
BTech	BT	III B.Tech I Sem. (SVEC16) Supplementary Examinations September-2020	14/10/2020	07/11/2020
BTech	BT	IV B.Tech I Sem. (SVEC16) Supplementary Examinations September-2020	10/10/2020	07/11/2020
BTech	BT	I B.Tech II Semester (SVEC16) Supplementary Examinations October-2020	23/10/2020	17/11/2020
BTech	BT	II B.Tech II Sem. (SVEC16) Supplementary Examinations October-2020	27/10/2020	17/11/2020
BTech	BT	III B.Tech II Sem. (SVEC16) Supplementary Examinations October-2020	28/10/2020	17/11/2020
BTech	BT	I B.Tech I	09/01/2020	27/01/2020

| BTech | BT | I B.Tech I Sem. (SVEC19) Supplementary Examinations September-2020 | 12/10/2020 | 07/11/2020 |

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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
403	5931	6.79

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.svec.education/department/electronics-and-communication-engineering/#regulations-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
BT	BTech	B.Tech. - Civil Engineering	131	131	100
BT	BTech	B.Tech. - Electrical and Electronics Engineering	261	261	100
BT	BTech	B.Tech. - Mechanical Engineering	198	198	100
BT	BTech	B.Tech. - Electronics and Communication Engineering	281	281	100
BT	BTech	B.Tech. - Computer Science Engineering	242	242	100
BT	BTech	B.Tech. - Electronics and Instrumentation	66	66	100

		Engineering			
BT	BTech	B.Tech. - Information Technology	112	112	100
BT	BTech	B.Tech. - Computer Science and Systems Engineering	110	109	99.09
MT	Mtech	M.Tech. - Computer Science	7	7	100
MT	Mtech	M.Tech. - Electrical Power Systems	13	13	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.svec.education/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
Ms. K. Neelima
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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.V.R.Anitha	Financial Support to attend conference/symposia under the "Travel Grants" scheme	08/07/2019	UGC
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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
Major Projects	1095	Department of Science and Technology (DST)	4.6	4.6
Major Projects	1095	Department of Science and Technology (DST)	12.3	12.3
Major Projects	730	Department of Science and Technology (DST-WoS)	3.6	3.6
Major Projects	915	Department of Science and Technology (DST)	11	11
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3.2.2 – Number of ongoing research projects per teacher funded by government and non-government agencies during the years

17

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
International Webinar on Printable and Flexible Electronics	Electronics and Communication Engineering	28/09/2020
58th IIRS Program on Space Based Application of Geospatial Technologies for Disaster Risk Reduction	Electronics and Communication Engineering	24/02/2020
57th IIRS Outreach Programme on "Geoprocessing and Visualization in Web Platforms"	Electronics and Communication Engineering	27/01/2020
International Conference on , Applications of MEMS, NANO and Smart Materials- ICMNSM 2019	Electronics and Communication Engineering	12/12/2019
A Distinguished Lecture on Innovation in Academic Institutions- A need for Multi-Disciplinary Reasearch Approach	Electronics and Communication Engineering	15/11/2019

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
Best Performing Institution Innovation Council (IIC)	Sree Vidyanikethan Engineering Collge	MHRD, AICTE, GOI	11/09/2019	Best Performing Institution from the South Central Zone (SCRO)
Aprreciation Certificate for serving as President, IIC, SVEC	Dr. N Padmaja	MHRD, AICTE, GOI	11/09/2019	MHRD Innovation Cell Annual performance
A Smart e-waste management System, Top team of Andhra Pradesh for the innovation	k. Charan Teja , T. Harshitha N. Dwarakesh, Aakash, Nikhil, Uday (III B.Tech, ECE Students)	Technology Entrepreneurship Program, Center for Innovation and Excellence (CIE), Indian School of Business, Hyderabad.	01/09/2020	Technology Entrepreneurship Program (One year Semi Virtual Program)
Augmented Reality based Communication Lab	B. Sathish Kumar , D.Irfan (IV B.Tech, ECE)	Cognizant Technology Solutions	18/04/2020	Nominated for BEST Student Projects Award, Cognizant Technology Solutions
Top scorer of phase 1 online component of the TEP Program.	Harshitha Tatineni	Technology Entreprenuership Program (TEP) BY Indian School of Business (ISB), Hyderabad	01/09/2019	TEP Talk newsletter
Just a minute on Innovation" contest Smart reading table for elderly people" .	Charan Tej Kammara	Technology Entreprenuership Program (TEP) BY Indian School of Business (ISB), Hyderabad	01/11/2020	Just a minute on Innovation contest
Innovative project on IOT based Stress Detection System	G M Keerthana S. Venkat Sai (III B.Tech ECE)	IGNIT Technical Solutions,	20/07/2020	Special mention Award in IGNIT Ideathon 1.0
Aprreciation Award as Mentor	Dr. N Padmaja	IGNIT Technical Solutions,	20/07/2020	Aprreciation Award as Mentor, IGNIT Ideathon 1.0

RE4eco – Reduce, Reuse, Recycle and Recreate	k. Charan Teja , T. Harshitha N. Dwarakesh, Aakash, Nikhil, Uday (III B.Tech, ECE Students)	IIC, MHRD, South-Central/SCRO	31/07/2020	IIC National Innovation Contest
Efficient e-waste management system	k. Charan Teja , N. Dwarakesh (III B.Tech, ECE Students)	INNOVATE TO INSPIRE 2019 BY EESL (Energy Efficiency Services Ltd.)	31/08/2019	Energy Innovation Challenge
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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
00	NIL	NIL	NIL	NIL	Nill
No file uploaded.					

3.4 – Research Publications and Awards

3.4.1 – Ph. Ds awarded during the year

Name of the Department	Number of PhD's Awarded
Electrical and Electronics 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	Electronics and Communication Engineering	51	2.54
International	Electrical and Electronics Engineering	45	2.28
International	Computer Science Engineering	19	2.24
International	Information Technology	13	1.96
International	Civil Engineering	4	1.12
International	Mechanical Engineering	37	1.56
International	Basic Science and Humanities	34	2.58
National	Basic Science and Humanities	13	1.51
International	Master of Computer Applications	4	2.13

| International | Electronics and Instrumentation Engineering | 9 | 1.07 |

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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
Electronics and Communication Engineering	70
Electrical and Electronics Engineering	50
Mechanical Engineering	30
Computer Science Engineering	17
Computer Science and Systems Engineering	20
Information Technology	18
Civil Engineering	9
Basic Sciences and Humanities	1
Electronics and Instrumentation Engineering	7

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3.4.4 – Patents published/awarded during the year

Patent Details	Patent status	Patent Number	Date of Award
Title of the invention:A Cost Effective System for Driver Drowsiness Detection	Filed	202041005075	05/02/2020
Title of the invention:Design of Rising Edge Triggering Flipflop using Pseudo NMOS Technique for low power clocking system	Filed	201941048075	22/11/2019
Title of the invention:I-Soil Test: Intelligent IOT Based Soil Fertilization Test and Their Solution	Published	201941031950	07/08/2019
Title of the invention:Clogging Control and Prevention in Routing in WSN	Published	201941019143 A	14/06/2019

Title of the invention: Design of Textile Array Antenna	Published	201941036705	12/09/2019
Title of the invention:System And Method For Reducing The Antenna Radiation Of A Portable Electronic Device	Published	201941046257 A	14/11/2019
Title of the invention:Enterprise Iot-Based Application Development Platform Using Machine And Deep Learning	Published	20202103556	27/03/2020
Title of the invention:A Method To Emotional Component And Intrapersonal Cognitive Detection Of A Person Using Machine Learning	Filed	202041014970	04/04/2020
Title of the invention:Intelligent Room: Disinfecting (Covid19) Room Air Using Machine Learning System	Published	202041026126 A	22/06/2020
Title of the invention:Moving Multi Object Detection Localization in Vision Enabled Wireless Sensor Networks	Published	2020101171	27/06/2020

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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
Comparative Study of Sensitivity Improvement through	Kaustubh Kumar Shukla, T. Muthumanickam, T. Sheela	Journal of Information and Computational Science	2019	0	Sree Vidyanikethan Engineering College, Tirupati.	Nill

Mechanical Properties of Micro-Cantilever						
Scalable Microprogrammed FIR Filter Architectures Using CSLA And Wallace Tree Multiplier	M.Naresh Babu, A.Nikhila	International Journal of Research and Analytical Reviews	2019	0	Sree Vidyanikethan Engineering College, Tirupati.	Nill
A Methodology For Secure Sharing Of File Records In The Cloud	TVS Gowtham Prasad , M Hari Prasad	Journal of Emerging Technologies and Innovative Research	2019	0	Sree Vidyanikethan Engineering College, Tirupati.	Nill
Rain Streak Removal Using Sparse Coding	V V Satyanarayana T, Rukminidevi Potlabathini A. Narmada	International Journal Of Scientific Technology Research	2019	0	Sree Vidyanikethan Engineering College, Tirupati.	1
MRI based Breast Cancer Segmentation and Classification using Machine Learning Techniques	P. Venkatramana, Nagaraja Rao P, D.Venkatasekhar, Chowdavarapu Usha Rani	International Journal of Innovative Technology and Exploring Engineering	2019	0	Sree Vidyanikethan Engineering College, Tirupati.	Nill
Wearable Textile Patch Antenna for Medical Applications	K. S Chakradhar	International Journal of Innovative Technology and Exploring Engineering	2019	0	Sree Vidyanikethan Engineering College, Tirupati.	Nill
Implementation of Compact Ultra wide Band Antenna Design for Breast Cancer	K.S.Chakradhar	International Journal of Recent Technology and Engineering	2019	0	Sree Vidyanikethan Engineering College, Tirupati.	Nill

Tumor detection						
A Novel Transmit Antenna Selection Algorithms to Improve Energy and Spectral Efficiency	K.S.Chakradhar, I. Veeraraghava Rao	International Journal of Innovative Technology and Exploring Engineering	2019	0	Sree Vidyanikethan Engineering College, Tirupati.	Nill
Construction and Implementation of Coaxial Probe Feed Microstrip Patch Array Antenna	B.Senthil Kumar, B.Siva Sai Reddy, P.Parvathi	International Journal of Innovative Technology and Exploring Engineering	2019	0	Sree Vidyanikethan Engineering College, Tirupati.	Nill
A Hybrid Solution for Efficient Utilization of Energy in Wireless Sensor Networks	Venkataramanan C, Suresh J	International Journal of Scientific Technology Research	2019	0	Sree Vidyanikethan Engineering College, Tirupati.	Nill
[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
A Quad-band Sierpenski based Fractal Antenna fed by CPW	V.R.Anitha	Microwave and Optical Technology Letters	2019	5	Nill	Sree Vidyanikethan Engineering College, Tirupati.
Compact Two-Port MIMO Antenna with High Isolation Using Parasitic Reflectors for UWB, X	V.R.Anitha	Journal of Progress in Electromagnetic Research C	2019	5	Nill	Sree Vidyanikethan Engineering College, Tirupati.

and Ku Band Applications						
Fusion of CTand PET image of lungs using hybrid algorithms	N.Gireesh	Solid State Technology	2020	2	Nill	Sree Vidyanikethan Engineering College, Tirupati.
An 8x1 Sierpinski Carpet Fractal linear Array Antenna design for Multiband Applications	N. Gireesh,	Journal of University of Shanghai for Science and Technology	2020	2	Nill	Sree Vidyanikethan Engineering College, Tirupati.
Design and Evaluation of Power Efficient Shift Register Featuring Low Power Automatic Manufacturing Systems	P. V. Ramana	Solid State Technology	2020	3	Nill	Sree Vidyanikethan Engineering College, Tirupati.
Detection of Breast Cancer on Magnetic Resonance Imaging Using Hybrid Feature Extraction and Deep Neural Network Techniques	P. V. Ramana	International Journal of Intelligent Engineering Systems	2020	3	Nill	Sree Vidyanikethan Engineering College, Tirupati.
Quad -Rail sense-Amplifier Half -Buffer method for	P. V. Ramana	Lecture Notes in Electrical Engineering	2019	3	Nill	Sree Vidyanikethan Engineering College, Tirupati.

NOC Router design						
Investigation of Post-annealing Effect on Efficient Ohmic Contact to ZnO thin film Using Ti/Al Metallization Strategy	P. V. Ramana	International Journal of Nano Dimension	2020	3	Nill	Sree Vidyanikethan Engineering College, Tirupati.
MRI based Breast Cancer Segmentation and Classification using Machine Learning Techniques	P. V. Ramana	International Journal of Innovative Technology and Exploring Engineering	2019	3	Nill	Sree Vidyanikethan Engineering College, Tirupati.
SARS-CoV-2/2019Novel Corona Virus: An Epidemic to Pandemic	P. V. Ramana	International Journal of Research in Pharmaceutical Sciences	2020	3	1	Sree Vidyanikethan Engineering College, Tirupati.

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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	96	2705	109	95
Presented papers	164	38	Nill	Nill
Resource persons	46	16	4	6

[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)
Computer Science Engineering	Satellite Image Processing for Agricultural Crop Monitoring	m/s SAGRI BENGALURU INDIA PVT. LTD. SPoC :Ms Chevdumoi RM Chief	600000

Information Technology	Smart Learning Management System	Sree Vidyanikethan Educational Trust, Tirupati.	220000
Information Technology	IoT Enabled Smart ID card	Sree Vidyanikethan Educational Trust, Tirupati.	5000
Information Technology	IoT Enabled LPG Gas Leakage Detector	Sree Vidyanikethan Educational Trust, Tirupati.	5000
Civil Engineering	Testing of Swimming Pool water samples, International School.	Sree Vidyanikethan Educational Trust, Tirupati.	0
Civil Engineering	Analysis of RO Treated Water Sample, SVIS Campus	Sree Vidyanikethan Educational Trust, Tirupati.	0
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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
Dr. N. M. G. Kumar Electrical and Electronics Engineering	Training Classes for newly appointed Junior Linemen's (JLM grade-2)-Roles and Responsibilities	APSPDCL, Chittoor Division, Chittoor	0	100
S Anil Kumar	Summer Internship program	Apsweris Puthalapattu (Nirmala Devi Ph.No:8919573147	14000	3
E Murali Raghava	APSSDC- SIEMENS Training	Apsweris Puthalapattu (Nirmala Devi Ph.No:8919573147	78000	40
E Murali Raghava	APSSDC- SIEMENS Training	Apsweris Puthalapattu (Nirmala Devi Ph.No:8919573147	49500	165
P Rama Karthik Krishna Vamsi	ITI FDP Program	Govt ITI (Mohan Babu:8985095515)	46800	12

| P Rama Karthik Krishna Vamsi | IVC FDP Program | Govt ITI (Mohan Babu:8985095515) | 28536 | 4 |
| Dr S. Pushpalatha, BSH | corporate training | Andhra Bank | 4000 | 30 |

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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
"Career and Skill Development" to students/ career guidance program for ssc students at zphs a.rangampeta	NSS UNIT in collaboration with Computer Eengineers Technical Association, Sree Vidyanikethan Engineering College	4	142
Visit to Mathrusya-An Orphanage	NSS UNIT in collaboration with Team ACME (association of communication majors and enthusiasts) Sree Vidyanikethan Engineering College	2	65
Awareness program on agriculture and water conservation	Unnat bharat abhiyan 2.0 in collaboration with Center for rural development- SVET	4	200
Awareness program on solid waste management	Unnat bharat abhiyan 2.0 in collaboration with Center for rural development- SVET	4	180
Feminine Self Defence Workshop in association with Beats Fitness Studio	NSS Unit Feminine self defense in association with BEATS FITNESS STUDIO	8	450
International Women's Day	NSS UNIT Women empowerent cell, sree vidyanikethan engineering college	6	350
Health Camp	NSS UNIT, Sree Vidyanikethan Engineering College, Tirupati	6	300

	in association with CRD-ISR.		
NSS DAY Preventive Health Checkup	NSS UNIT, Sree Vidyanikethan Engineering College, Tirupati.	4	200
Plantation Drive- One Student One Tree	NSS UNIT, Sree Vidyanikethan Engineering College, Tirupati.	6	300
World Environment Day	NSS UNIT, Sree Vidyanikethan Engineering College, Tirupati.	4	150
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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
Blood Donation Camps	Appreciation/Recognition Award for the Institution	SVRR Govt. General Hospital and S V Medical college, Tirupati	400
Uttam Acharya to the society	Uttam Acharya Puraskar (Dr.B.Narendra Kumar Rao)	Information Technology Association of Andhra Pradesh	100
Margadharshak to the Society	Margadharshak Puraskar (Dr.K.Delhi Babu)	Information Technology Association of Andhra Pradesh	100
Uttam Acharya to the society	Uttam Acharya Puraskar (Dr.A.V.Sriharsha)	Information Technology Association of Andhra Pradesh	100
Services and activities rendered to the Farmers	Appreciation/Recognition Award for the Institution	Connect 2 Farmer,Chittoor	100
Entrepreneurship Award for the E-Waste Management	Top Team of ISBs Technology enTrepreneurship program (TEP) (Mr. K.Charan, K Uday radhesh and Team)	Indian School of Business (ISB), Hyderabad, Telangana	12
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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

"Career and Skill Development" to students/ career guidance program for ssc students at zphs a.rangampeta	NSS UNIT in collaboration with Computer Eengineers Technical Association, Sree Vidyanikethan Engineering College	"Career and Skill Development" to students/ career guidance program for ssc students at zphs a.rangampeta	4	142
Visit to Mathrusya-An Orphanage	NSS UNIT in collaboration with Team ACME (association of communication majors and enthusiasts) Sree Vidyanikethan Engineering College	Visit to Mathrusya-An Orphanage	2	65
Awareness program on agriculture and water conservation	Unnat bharat abhiyan 2.0 in collaboration with Center for rural development-SVET	Jal sakthi Abhiyaan	4	200
Awareness program on solid waste management	Unnat bharat abhiyan 2.0 in collaboration with Center for rural development-SVET	Unnat bharath Abhiyaan 2.0	4	180
Feminine Self Defence Workshop in association with Beats Fitness Studio	NSS Unit Feminine self defense in association with BEATS FITNESS STUDIO	Feminine Self Defence Workshop in association with Beats Fitness Studio	8	450
International Women's Day	NSS UNIT Women empowerent cell, sree vidyanikethan engineering college	International Women's Day	6	350
Health Camp	NSS UNIT, Sree Vidyanikethan Engineering College, Tirupati in association	Health Camp	6	300

NSS DAY Preventive Health Checkup	NSS UNIT, Sree Vidyanikethan Engineering College, Tirupati.	NSS DAY Preventive Health Checkup	4	200
Plantation Drive-One Student One Tree	NSS UNIT, Sree Vidyanikethan Engineering College, Tirupati.	One Student One Tree initiative by AICTE and JNTUA, Anantapuramu.	6	300
World Environment Day	NSS UNIT, Sree Vidyanikethan Engineering College, Tirupati.	Plant a Sapling and take a selfie challenge	4	150
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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
Research	Dr.V.R.Anitha	DST	1095
Research	Dr. N. Padmaja, Mr. K. Ayyappaswamy	DST - TIDE	1095
Research	Dr. N. Padmaja, Mr. K. Ayyappaswamy	DST - TIDE	1095
Research	Dr. N. Padmaja	ISRO - RESPOND	1095
Innovations and Research	Dr. N. Padmaja	APSSDC	1095
Research	Dr.N.Padmaja, Mr. K Ayyappa Swamy	DST-TIDE	1460
Innovations and Research	Dr. P. Bhanu Prasad, Researcher & Advisor, Kelenn Technology France	SVEC	365
Innovations and Research	Mr. P Madhu Prathap, Director & CFO, Sibar Auto Parts Ltd, Tirupati & Dr. Sameer Panda, CEO & Founder,TJ Tyres Start-up.	SVEC	730
Research	Dr.V.R.Anitha	DST	1095
Participated in Curriculum revision	Dr. K. Ramani	JNTUA College of Engineering, Anantapuramu	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
Industry	In-Plant training	All India Radio, Tirupati	09/12/2019	15/12/2019	1
Industry	Internship	Raam Group, Hyderabad	10/12/2019	10/01/2020	2
Industry	Internship	ABB Global Industries and Services Pvt. Ltd., Bangalore	20/12/2019	31/03/2020	1
Industry	Internship	Sunny Opotech India Pvt. Ltd., Tirupati	02/01/2020	02/06/2020	8
Industry	Internship	SHAR, Sriharikota	07/12/2019	31/03/2020	4
Institution	Internship	Indian Institue of Information Technology Design and M anufacturing (IIITDM) Kancheepuram	09/12/2019	31/03/2020	17
Industry	On-the-job- training	Ven Consulting Pvt. Ltd., Bangalore	03/12/2019	30/06/2020	1
Industry	Internship	Hexaware T echnologies, Chennai	10/12/2019	12/06/2020	2
Industry	Internship	Cognizant Technology Solutions, Chennai	12/07/2019	13/03/2020	33
Industry	Internship	Tiger Analyitcs, Chennai	20/01/2020	15/05/2020	1
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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
Harmonizer Solutions, Bangalore	27/01/2020	Skill development for students	150
Virtual Labs	23/09/2019	Skill development for students	230
IFFEN (Institute Francais De Formation En Energetique)	14/02/2020	Industry Internship	1
Oracle Academy	08/07/2019	Industry Internship	40
APSSDC	23/07/2019	Skill development for students	300
SIBAR Autoparts limited, Tirupati.	09/02/2019	Industrial visit	62
SIBAR AUTO PARTS LIMITED	09/02/2019	Industrial visit	61
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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
2585	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
Others	Newly Added
Value of the equipment purchased during the year (rs. in lakhs)	Newly Added
Video Centre	Existing
Seminar halls with ICT facilities	Existing
Classrooms with LCD facilities	Existing
Seminar Halls	Existing
Laboratories	Existing
Class rooms	Existing
Campus Area	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
KOHA	Fully	19.05.04.000	2016

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	116659	34661560	6321	3198426	122980	37859986
Reference Books	18356	4767803	960	601632	19316	5369435
e-Books	3493	Nill	1000	79429	4493	79429
Journals	200	434639	160	328315	360	762954
e-Journals	2929	1314408	8414	1457339	11343	2771747
Digital Database	2	175000	1	13570	3	188570
CD & Video	3009	Nill	34	Nill	3043	Nill
Library Automation	1	287350	1	17400	2	304750
Weeding (hard & soft)	4447	762966	Nill	Nill	4447	762966
Others(specify)	1	1434636	1	614190	2	2048826

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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
Dr. N. Gireesh	Biomedical Instrumentation	Canvas	20/08/2020
Dr. V. R. Anitha	RF Engineering	Moodle	03/09/2020
Dr. V. R. Anitha	Microwave Engineering	You tube	15/10/2020
Dr. N. Padmaja	Tech And Unity	YouTube	26/04/2020
Dr. D. Leela Rani	Control Systems	Canvas	27/11/2020
Dr. V. V. Satyanarayana Tallapragada	Computer Networks and Speech Processing	Gnomio	01/10/2019
Mr. K. S. Chakradhar	LICA	CANVAS	27/11/2020
Dr. P. Geetha	International	You tube	28/09/2020

	Webinar On Printed and Flexible Electronics 2020		
Dr. N. Ashok Kumar	Low Power CMOS VLSI subject materials	CANVAS LMS	01/08/2020
Dr. T. V. S. Gowtham Prasad	Digital Signal Processing	CANVAS	27/11/2020
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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	2172	1728	1500	0	200	46	198	1500	0
Added	33	33	0	0	0	0	0	0	0
Total	2205	1761	1500	0	200	46	198	1500	0

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

1500 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
Recording Facility	http://172.16.101.209/LocalGuru/index.php
Lecture Capturing System	http://172.16.101.209/LocalGuru/index.php

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
511	511	594	594

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)

All the departments adhere to the procedures and guidelines of the institute with regard to cleanliness and preventive corrective maintenance of infrastructure. Laboratories Maintenance: Daily maintenance: • Lab Technicians inspects/checks the working condition of the equipment/computer systems cleaning of equipment and work tables are done by lab Technicians /assistant • Floor cleaning is done by housekeeping staff of the college Weekly maintenance: • Floor mopping of labs is done by housekeeping staff of the college. •

Maintenance of batteries and UPS is done to prevent corrosion of batteries terminals and proper functioning of UPS. Monthly maintenance: • The monthly maintenance report is generated in which the current condition of the equipment, consumables and furniture are mentioned and submitted to the Principal. • UPS in-charge checks the water level, voltage and backup of the UPS. • Calibration of equipment and instruments is done as and when required. Yearly maintenance: • Scrap and obsolete items in the laboratories are identified by the lab in-charges in consultation with the lab instructors. • Action is initiated to dispose of the scrap/obsolete items after getting approval from the management. Preventive maintenance: • The working condition of the equipments is periodically checked. • The students are given instructions in handling the equipments before doing the experiments. Laboratory manuals are provided to the students which include Dos and Don'ts of the laboratory, list of experiments and procedure of doing /performing the experiments. • Stock register is maintained in laboratories and audits are conducted by stock verification committee to check the availability and working of the equipments. • Antivirus updating is done regularly for proper working of the computer systems and servers. Breakdown maintenance: • Minor repairs are carried out by the lab instructors and Major repairs are carried out by service personnel from equipment suppliers after following due procedure. Infrastructure maintenance: • Class rooms, laboratories, rest rooms, offices and other areas in the campus are maintained by housekeeping staff of the institution. Library maintenance: • Adequate number of text and reference books are procured every semester after obtaining the requisitions from the departments based on the availability of books in the library and curriculum changes. • Stock verification is carried out every year by a team of faculty members drawn from all the departments. Sports and games field maintenance: • Items required for sports and games are procured on a yearly basis by PED after obtaining approval from the Head of the Institution. • Maintenance of the college ground is carried out by the housekeeping staff under the guidance of PED as and when required. • Damaged sports equipment is replaced by new one as per requirement.

https://www.svec.education/wp-content/uploads/2021/07/Infrastructure-Development-and-Maintenance-Policy.pdf

CRITERION V – STUDENT SUPPORT AND PROGRESSION

5.1 – Student Support

5.1.1 – Scholarships and Financial Support

	Name/Title of the scheme	Number of students	Amount in Rupees
Financial Support from institution	Fee Concessions	146	16324599
Financial Support from Other Sources			
a) National	Govt. Of Andhra Pradesh (Scholarships)	3035	274182910
b)International	NIL	Nill	0
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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

Debate	26/07/2019	45	HOD, EEE, Sree Vidyanikethan Engineering College
Group discussion	30/08/2019	23	HOD, EEE, Sree Vidyanikethan Engineering College
Pencil sketch	12/09/2019	49	HOD, EEE, Sree Vidyanikethan Engineering College
Type writing	04/01/2020	31	HOD, EEE, Sree Vidyanikethan Engineering College
Mock interviews	06/01/2020	170	HOD, EEE, Sree Vidyanikethan Engineering College
Hobby highlights	13/03/2020	28	HOD, EEE, Sree Vidyanikethan Engineering College
Pictionary	21/09/2019	63	HOD, EIE, Sree Vidyanikethan Engineering College
Poster presentation on medical Instrumentation	23/10/2019	29	HOD, EIE, Sree Vidyanikethan Engineering College
Debate	26/12/2019	42	HOD, EIE, Sree Vidyanikethan Engineering College
Group Discussion	11/07/2019	22	HOD, IT, Sree Vidyanikethan Engineering College

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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	Class of 2020 Summer Training (programming in C, Data structures, Infosys Python Programming, Algorithms analysis)	276	Nill	177	145

2019	Advanced Programming Skills in C and Data Structures	276	Nill	Nill	Nill
2020	Mphasis specific Training program is being conducted from	276	Nill	Nill	Nill
2020	Infosys Campus specific training	276	Nill	Nill	Nill
2019	CRT Programme	282	Nill	Nill	Nill
2019	CTS Specific Training program	276	Nill	Nill	Nill
2019	Technical Training	131	131	4	34
2020	Personal Counselling	198	198	6	91
2020	GATE Training	5	Nill	Nill	Nill
2020	Class of 2020 Summer Training (programming in C, Data structures, Infosys Python Programming, Algorithms & analysis)	263	Nill	5	131

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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
2	2	4

5.2 – Student Progression

5.2.1 – Details of campus placement during the year

On campus			Off campus		
Nameof organizations	Number of students	Number of stduents placed	Nameof organizations	Number of students	Number of stduents placed

visited	participated			visited	participated	
GGK Technologies, Hyderabad Mobis Technical Center of India (Hyundai Motor Group), Hyderabad Infosys Ltd., Chennai (Through HackWithInfy / InfyTq - 2019) Infosys Ltd., Chennai (Through HackWithInfy / InfyTq - 2019) WIPRO LTD., Hyderabad Cognizant	6158	704		Edupolis (Unschool), Hyderabad (CoCubes) SoCtronics Technologies Pvt. Ltd., Hyderabad (A consortium Company of VEDA IIT) Tata Consultancy Services, Hyderabad (Ninja Hiring) Edupolis (Unschool) (CoCubes), Bangalore Efftronics, Vijayawada	1920	127

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

Year	Number of students enrolling into higher education	Programme graduated from	Depratment graduated from	Name of institution joined	Name of programme admitted to
2020	1	B.Tech	Electronics and Communication Engineering	NIT Rourkela	M.Tech Communication and Signal Processing
2020	1	B.Tech	Electronics and Communication Engineering	University at Buffalo	MS
2020	1	B.Tech	Electronics and Communication Engineering	VIT Vellore	MTech
2020	1	B.Tech	Electronics and Communication	George Mason University	MS

2020	1	B.Tech	Electronics and Communication Engineering	IIM Kozhikode	PGP – Finance
2020	1	B.Tech	Electronics and Communication Engineering	Cleveland State University	MS
2020	1	B.Tech	Electronics and Communication Engineering	California State University	MS
2020	1	B.Tech	Computer Science and Engineering	IIT MADRAS	M.TECH
2020	1	B.Tech	Computer Science and Engineering	IIT BOMBAY	M.TECH
2020	1	B.Tech	Computer Science and Engineering	UCD SCHOOL OF MATHEMATICS & STATISTICS	MS
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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	24
Any Other	21
CAT	5
GRE	11
Civil Services	2
TOFEL	3
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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
Rangoli	COLLEGE LEVEL	123
Volleyball	COLLEGE LEVEL	36
CRICKET	COLLEGE INTRAMURALS	64
KHO KHO	COLLEGE INTRAMURALS	56
Singing	COLLEGE LEVEL	128
100 Mts, 200 Mts, Long Jump, Shotput, Shuttle Badminton, Volleyball,	College Intramurals	162

4X100 Relay, Basketball, Tennikoit, Throwball, Cricket		

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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	Runners	National	1	Nill	18125A0341	T Mohan Vamsi

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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)

All the departments of the institution have established student councils which are termed as Technical Associations. These student councils are run by the students and a teacher mentor is allotted to Supervise the planned activities. The following Technical Associations conduct various co-curricular and extracurricular activities in their respective departments. Department Name of the Technical Association CSE Computer Engineers Technical Association (CETA) IT Technical Association of Information Technology (TAIT) CSSE Systems Engineers Association (SEA) EEE Electrical Technical Association (ETA) ECE Association of Communication Majors and Enthusiasts (ACME) EIE Association of Instrumentation Majors (AIM) Civil Intellectual Association of Civil Engineers (IACE) Mechanical Creative Association of Mechanical Engineering Students(CAMS) MCA Intellectual Masters Association of Computers (IMAC) These Technical Associations conducted activities such as • Model Exhibitions • Design Contests • Aptitude Tests • General Technical Quizzes • Group Discussions • Code Debugging Contests • Poster Presentations • Mock Interviews • Training Sessions in Communication Skills Besides these co-curricular activities, the technical associations conduct extracurricular activities such as sports and games, recreational activities and cultural activities periodically. Also, these Associations conduct extension activities such as awareness programs on Women Entrepreneurship, digital literacy, environmental awareness and health and hygiene. Student role in statutory bodies: The Institution in its endeavor to promote larger participation of stakeholders has initiated the representation of students into the governing Body. 10 students (5 boys and 5 girls) in total from B. Tech, M. Tech, MCA and Ph. D programs are nominated in this regard. They participate in the discussions of the Governing Body on academic issues in general and student development issues in specific. Student engagement in administration: The heads of the department nominate the best students (1 boy and 1 girl) as class representatives for each section in all programs. These students regularly apprise the concerned Head of the department on issues such as student discipline, syllabus coverage, facilities and services and the other academic issues to facilitate direct feedback and early action on issues, if any.

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

Yes

Yes, Alumni Association is registered (302 of 2018) under the Andhra Pradesh Societies Registration Act 2001 by the name Sree Vidyanikethan Alumni

Association.

5.4.2 – No. of registered Alumni:

18561

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

0

5.4.4 – Meetings/activities organized by Alumni Association :

1. Annual Alumni Meet – 2020 was organized on 04-Jan-2020. 2. Summary on the Alumni Contributions Year Contribution No. of Contributions No. of Beneficiary 2019-20:Lectures Talks from Domain Experts 21 4118 BoS Meetings (UG) 8 - IQAC Meetings 4 - Total 33 4118

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)

Decentralization: Practice-1: Student Technical Association Activities • All the departments of the institution have established student councils which are termed as Technical asso`ciations. These student councils are run by the students and a teacher mentor is allotted to Supervise the planned activities. • Student Association activities are planned for holistic student development and to cater to the extracurricular and co-curricular needs. • The benefit of lies in meeting diversified needs of the students based on their Program of study. • Activites are planned at the beginning of the academic year and implemented accordingly. • A faculty member is nominated as the faculty representative to guide the activities along with student representatives chosen from the different programs offered by the department. • Students organize the activities and in-turn faculty mentors the attainments of student outcomes through the rubrics, which are further mapped to Program Outcomes. Practice-2: Industry Advisory Board Industry Advisory Board is constituted in the department for guidance in academic and related supportive fronts. The activities are diversified based on the needs specific to the program and department under consideration. Scope of activities: Following are the activities to be taken with the formulated board: 1. Industry-Institute collaborations 2. Industry relevant curriculum design, development and implementation 3. Internships for students 4. Industry visits for faculty and students 5. Certifications training 6. Consultancy services Mode of Selection: Members of the board are nominated by Senior faculty members in the department with very good experience and reputation in relevant knowledge areas in the discipline of study in the department. Experience of experts may be on full-time basis from reputed firms with possibly higher designations from industry and who are willing to share expertise on commercial/non-commercial basis. Items/Agenda for discussion: Need based and can be dynamically changing/fixed from time-to-time. All communication can be recorded through email, video recording or on paper. All minutes can be recorded and need based decisions can be taken with due consideration with Boards of Studies and other requirements of the department changing from time-to-time. Participative Management: Practice-1: Results Committee • End Semester examination results for all the programs are declared after Results Committee meeting. • Results committee comprises of Chief Controller of Examinations, Controller of Examinations(Dean Examinations), Dean(Academics), Heads of the departments, Boards of Studies from all the departments and an exclusive representative from the affiliating university. • All the senior representatives from the departments meet before the announcement of results of regular and supplementary examinations for all

the programs of study in the institution. • Major items under discussion comprises of pass percentage during the current semester. Practice-2: Research Advisory Group • Management of the institution has appointed research advisors for the mentoring of research aspirant faculty members. • Four Research advisors are appointed separately for Electronics, Computer Science, Chemistry and Physics and Mechanical Streams. • These research advisors meet the research aspirant faculty on weekly/monthly basis to mentor their research activites and guide towards submission of research proposals for funding agencies.

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
Curriculum Development	SVEC started adapting its regulations and curriculum as per the AICTE model and APSCHE guidelines. All the programs offered by the departments/institution are in-line with the principles and concepts of Outcome Based Education (OBE). As per OBE, Program Educational Objectives, Program Outcomes as per graduate attributes, Program Specific Outcomes and Course Outcomes are appropriately framed along with the program curriculum for the assessment of student learning outcomes. Institution has formulated a mechanism of mapping Course Outcomes to Program Outcomes through advanced correlation and probability-based mechanism. Knowledge areas from relevant professional bodies like ACM, IEEE, ACME, are considered to determine the knowledge areas of program under study for balanced curricular design. Curriculum for different programs are designed in-line with statutory bodies other relevant professional bodies to strike the right balance.
Teaching and Learning	Student feedback on teaching-learning is a quality practice followed across all the programs and every student provides feedback on the teacher and the teaching-learning practices. Teaching skills are honed among faculty members through Faculty development programs on pedagogy. Events/ Programs on pedagogy are conducted for Young faculty members to improve their teaching skills. Modern Teaching methods are adopted to improve student learning outcomes. New Pedagogy like Flipped learning, participative learning, learning by problem solving

	are a few approaches followed to motivate students and enhance their knowledge and the skills. The best practiced models are submitted to the Chairman, IQAC and they are reviewed for Institutionalization of the practices. Blooms taxonomy is used to assess student learning. Well-defined rubrics are designed for different curricular components to evaluate the attainment of the Course and the Program level outcomes.
Examination and Evaluation	The institution adopts robust systems for evaluation of students through internal and external assessments. The salient practices are highlighted as follows: • All the activities of the examination section are integrated to NIVA ERP to keep track of the students' data from the day of their admission till their graduation. • The concept of Electronic Generation of Examination Papers (EGEP) system has been designed and is being implemented to eliminate the possibility of leakage of question papers. • For each subject, three sets of question papers are generated just one hour before the commencement of the examination. Out of which, one set of question paper is selected before the commencement of the examination. • External Evaluation of the scripts are undertaken to maintain transparency.
Research and Development	Faculty are encouraged through/permitted to attend training programs in advanced technologies with financial support. Research mentors visit the institution regularly to mentor research aspirants in domain specific clusters for enhanced research outcomes. Research centers are established to carryout research in specific projects funded by management of the institution to inculcate research culture. Faculty aspiring to take up advanced research in their specialized areas are provided with Seed money to carry out their work. Further Faculty members are encouraged to submit research proposals through appropriate mentoring by Research advisors. Faculty members sanctioned with research projects/ selected quality Publications/patents are provided with cash-incentives. Best Research Paper cash-prize award is constituted and awarded annually on

		annual day of the institution by the management for its faculty.
	Library, ICT and Physical Infrastructure / Instrumentation	A state-of-the-art Central Library has been established and is accessible in direct and virtual mode for its students. All the classrooms are equipped with ICT facility for better student teaching-learning. Library journals are procured/subscribed both in electronic and print-mode to facilitate easy access to all the students and faculty members. Infrastructure and resource management is channelized through NIVA-ERP. Institution is equipped with sufficient seminar halls, ICT enabled classrooms to facilitate effective student learning. Modern laboratories are provided for student practice.
	Human Resource Management	Training Needs Analysis of the individual faculty members of the department is prepared as per the interests and needs of the faculty and the department. This has enabled empowerment of faculty members of the institution. Implementation of stringent and unbiased practices for recruiting qualified faculty members who are capable of undertaking effective teaching-learning with students and research activities ERP-NIVA is used to provide seamless administrative transactions from anywhere for the faculty and the staff members. New features are included into the ERP-software to facilitate the ease of usage of services offered to its stakeholders.
	Industry Interaction / Collaboration	Industry Advisory Boards are being formulated in the departments to facilitate Industry-Institute interaction for the benefit of all the stakeholders Statutory bodies of the institution involve Industry representatives in its Internal Quality Assurance Cell, Boards of Studies, Academic Council and Governing Body.
	Admission of Students	Institution adheres to the norms of Statutory agencies and affiliating university for admissions into different programs being offered. Appropriate fee waiver is provided to economically challenged students. Transparent Merit based admission for students admitted under Management Quota by strictly adhering to

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

E-governace area	Details
Planning and Development	Prospective plan for the institution is formulated. Accordingly, strategic plan for the institution and individual departments is prepared to meet the perspective plan. Annual Operating plan activities of the institution and the departments which are formulated in accordance with the strategic plan is uploaded in NIVA-ERP at the start of the academic year. Follow up of activities are taken up accordingly by respective academic heads.
Administration	COVID Self-declaration form Deployment of Online Education Verification Module for Employers Role module- creation of roles, assigning roles, removal of roles Payroll, leave management for all the faculty members are undertaken through NIVA ERP. Day-to-day office administration for approvals, recommendations are undertaken though the same. Work flow management-setting workflows for different activities. Faculty members apply for different leaves through the software. Communication module- sending circulars, messages, notes are also supported.
Finance and Accounts	Updating Employee Leave information on monthly basis for processing payroll Payment of student tuition fees, hostel payment fees, Stock and inventory module-indent raising, approval, stock issue, purchase order, Online education verification module-back ground verification requests, online payment are supported
Student Admission and Support	Logins of HODs of SVEC can edit the profile of his department students Generate readmission order when detained student is promoted. NIVA-ERP automation supports students from the process of registration/admission upto the process of providing provisional certificate and Consolidate Marks Memo. Mentor-Mentee Module-conducting recording of counseling sessions, update mentee co-curricular and extra-curricular participation details. Applying for transportation facility and payment of fee. Hostel seat reservation for students. Sending

	SMS/Email regarding student attendance details to parents.
Examination	Master fee configuration for external examination notifications Integrated an online payment option for Revaluation/Recounting/personal verification Module Grade Sheet Configuration under exam configurations menu NIVA-ERP supports Internal Examination module-generation of notification, finalize nominal rolls, generation of timetable, seating plan, allocation of invigilation duties, attendance posting, mark submission, publish results External examination module - generation of notification, registration of exam, online payments, finalize nominal rolls, generation of timetable, seating plan, allocation of invigilation duties, mal-practice marking, attendance posting, encoding, marks submission, moderation, publish results Revaluation Module-Notification generation, registration, payment, marks entry, publish results Outcome based education module-Question paper template configuration, Bloom's level configuration, program outcome configuration, course outcome configuration, marks entry.

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. P. Venkat Ramana	AICTE Sponsored QIP STC on Recent Trends in Micro wave/Millimeter Wave Technology and their Applications in Wireless Communication and Defense Perspective, IIT (BHU), Varanasi from 14.10.20 to 19.10.20	IIT (BHU), Varanasi	6600
2019	Dr. V. M. S. N. Pavan Kumar	AICTE Sponsored QIP	IIT (BHU), Varanasi	6600

	Ch	STC on Recent Trends in Micro wave/Millimeter Wave Technology and their Applications in Wireless Communication and Defense Perspective, IIT (BHU), Varanasi from 14.10.20 to 19.10.20		
2019	Dr.Padmaja	Two day Training Program on Mentorship skill development on innovation and enterpreneurshi p, MHRD Innovation Cell, AICTE from 09.09.20 to 10.09.20	MHRD Innovation Cell, AICTE Headquarters, New Delhi	31400
2019	Dr. A. Sarkar	IEEE International Conferenece 5NA NO-2020,Mangala m College of Engineering, Kerala from 22.04.20 to 23.04.20	Mangalam College of Engineering, Kerala	15400
2019	Dr. V V Satyanarayana T	International Conference on Transformations in Engineering Education (ICTIEE-2020), Anurag Group of Institutions, Hyderabad from 05.01.20 to 08.01.20	Anurag Group of Institutions, Hyderabad	11047
2019	Mr. M. Balaji	One Week Faculty Development Programme on DNA of Mixed IC design for Portable Systems,NIT Warangal from	NITW, Warangal	3285

Year	Name	Title / Event	Organized by	Amount
		20.05.19 to 25.05.19		
2019	Dr. Argha Sarkar	Elsevier Conference (SUSCOM 2019), Amity University, Rajasthan from 26.02.19 to 28.02.19	Amity University, Rajasthan, Jaipur	12900
2019	Mr.U.kamal kumar	To attend the Two day national level program on " Implications of Internet of Things(IoT) in Agriculture for sustainable rural development-challenges and opportunities", PSG college of Engineering, Coimbatore, from 13.12.19 to 14.12.19.	PSG college of Engineering, Coimbatore	8200
2019	Dr. C. Madhusudhan Rao	26TH IEEE INTERNATIONAL CONFERENCE ON HIGH PERFORMANCE COMPUTING, DATA, AND ANALYTICS from 17-20, December 2019 at Hyderabad	IEEE, Hyderabad	9320
2020	Mr. D. Sathyanarayanan	Two day workshop on Introduction to Block Chain Technology at Sri Ramakrishna Engineering College from 13th to 14th March 2020	Sri Ramakrishna Engineering College	4200

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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	Title of the administrative training	From date	To Date	Number of participants (Teaching	Number of participants (non-teaching

	programme organised for teaching staff	programme organised for non-teaching staff			staff)	staff)
2019	International Conference on Applications of MEMS, Nano and Smart Materials (ICMNSM-2019)	Nil	12/12/2019	14/12/2019	40	Nill
2019	Advances in Practical RF Antenna Design	Nil	25/11/2019	30/11/2019	40	Nill
2019	BEEE Practice – Learning Embedded Systems	Nil	16/11/2019	16/11/2019	10	Nill
2019	Challenges and Research Avenues in Signal Processing	Nil	11/11/2019	16/11/2019	65	Nill
2019	Recent Trends and Research Challenges on Nano CMOS VLSI Circuits by Industry Standard EDA Tools	Nil	26/08/2019	31/08/2019	75	Nill
2019	Embedded System Design with MSP430 using Open Source Tools for IOT Applications	Nil	19/08/2019	22/08/2019	20	Nill
2019	VLSI Architectures for	Nil	08/08/2019	19/08/2019	20	Nill

2019	Embedded Systems Laboratory	Nil	19/06/2019	21/06/2019	7	Nill
2019	Antennas and Microwave Engineering Laboratory	Nil	19/06/2019	21/06/2019	4	Nill
2019	Device Fabrication using Thermal Evoparation Method	Nil	26/04/2019	26/04/2019	12	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
International Conference on,"Applications of MEMS, Nano and Smart Materials (ICMNSM.2019)"	40	12/12/2019	14/12/2019	3
One Week STTP on, "Advances in Practical RF Antenna Design" under E ICT Academy, National Institute of Technology, Warangal Sponsored by Ministry of Electronics and Information Technology (MeitY, GOI)	40	25/11/2019	30/11/2019	6
Refresher Course on, "BEEE Practice – Learning Embedded	10	16/11/2019	16/11/2019	1

Systems"				
One Week Short Term Training Programme on, " Challenges and Research Avenues in Signal Processing"	65	11/11/2019	16/11/2019	6
One week AICTE Sponsored STTP on, " Recent Trends and Research Challenges on Nano CMOS VLSI Circuits by Industry Standard EDA Tools"	75	26/08/2019	31/08/2019	6
Workshop on, "Embedded System Design with MSP430 using Open Source Tools for IOT Applications"	20	19/08/2019	22/08/2019	4
CSIR Sponsored Two.Day national Workshop on, "VLSI Architectures for Biomedical image Processing Applications"	5	08/08/2019	09/08/2019	2
AICTE Sponsored one Weeks Online Faculty Development Programme on "Grid integration techniques for electric vehicles: challenges, oppertunities , G2V V2G applications	1	14/09/2020	19/09/2020	6

AICTE Sponsored Two Weeks Online Faculty Development Programme (Phase-I) on "Advanced power electronics Applications in power systems	1	19/10/2020	31/10/2020	13
AICTE Sponsored Two Weeks Online Faculty Development Programme (Phase-I) on "Advanced power electronics Applications in power systems	1	23/11/2020	05/12/2020	13

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

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
403	403	242	242

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
Supporting Patent Filing Expenses as per Institutional IPR Policy Incentives for faculty publications in specific Indexed/UGC recognized journals Incentivizing faculty for student results in Semester End Examinations. Research publication Incentives to faculty members for publishing research articles. Research Incentives to faculty members for the sanction of research grants from funding agencies. Study-leave for faculty members aspiring for higher studies. 50 tuition fee reduction for children of faculty members in Sree Vidyanikethan	Group Insurance scheme is provided for non-teaching staff Study-leave for staff members pursing higher education. Organizing staff development programs to facilitate skill development Salary advances for staff members.	Apart from academic support in teaching-learning, following committees were constituted for the welfare of students: •Mentor-Mentee System •Co-curricular Activities Committee •Extracurricular Activities Committee •Grievance Redressal Committee •Alumni Committee •Anti-Ragging Committee •Disciplinary Committee •Poor Students Welfare Committee

International School.
Salary advances for staff
members.

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, Member Secretary of the Governing Body with the Director, Finance and Administration 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 Director (Finance and Administration) and the accounting team. The external audit is done once in a year. The generic audit objections encountered are: ? Payments without proper approval ? Late submission of bills ? Non recovery/adjustments of advances from employees/creditors ? Missing of entries ? Non-compliance of guidelines (travel, TA and DA) The audit objections encountered are settled from the office of the Director (Finance and Administration) through proper compliance mechanism and method of settlement is recorded. Institution also organized Academic Administration Audit through External Experts during the academic year 2019-20.

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
NIL	0	Nil

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6.4.3 – Total corpus fund generated

473948053

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	Yes	Internal Audit Team
Administrative	Yes	External	Yes	Internal Audit Team

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

Parents' meet is organized as a quality practice by the institution annually. Parent – Teacher Association helps in the following aspects. In the current academic year Parents' meet was organized on 01.10.2019. a. Continuous monitoring of students and provide feedback on their performance b. Faculty members understand the aspirations of parents from their wards and guide them through effective counselling of students based on their performance and encourage them accordingly to ensure stakeholders satisfaction. c. Parents can understand the functioning and the facilities or services available for student welfare at the institution. d. Development of a closer relationship between parents and faculty results in improved student achievements and it develops a positive reputation of the institution in the community.

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

Institution organizes training programs and workshop to enhance their capabilities and facilitate better support in administration activities and in academic laboratories. Following are a few activities in this regard. 1. Two-week Staff Development Programme on "CNC Milling Programming" was organized by the department of Mechanical Engineering from 29.07.2019 to 10.08.2019. 2. A One-Week Staff Skill Development Programme on "AUTO-CAD" was organized by the department of Mechanical Engineering from 04.11.2019 to 09.11.2019. 3. Two-day Staff Development Programme on "Microsoft Office"for lab technicians was organized by the department of Electrical and Electronics Engineering during 10.06.2020 to 11.06.2020.

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

The institution has proposed and implemented several approved quality initiatives during the academic year 2019-20 on different fronts of academics and administration. Following is the brief discussion on important activities initiated /sustained after Second Cycle of NAAC accreditation: ? NBA Accreditation of Seven UG Programs ? Implementation of Research Incentives Policy ? Formulating a Standard Operating Procedure during COVID-19 pandemic in order to facilitate safe and healthy campus ? Online Classwork and administration during COVID Pandemic ? Initiation of NAAC-Reassessment Process towards improved Quality grading ? Consultancy Policy and revenue Sharing Model ? Establishment of IPR- Cell ? New Guidelines for Internal Quality Assurance System ? Formulation of Annual Operating Plan for 2020-21

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	Parents' Meet	01/10/2019	01/10/2019	01/10/2019	100
2019	A Five-Day Workshop on Effective Teaching (IIEECP Phase-I)	09/12/2019	09/12/2019	13/12/2019	50
2019	SVEC Campus Visit by Dr.Nitin Kumar Tripathy, Dean Special Programs , AIT, Thailand	14/12/2019	14/12/2019	14/12/2019	20
2019	Sponsor for	17/12/2019	17/12/2019	20/12/2019	10

	Conference Faculty for 26th IEEE International Conference on High Performance Computing, Data, and Analytics				
2019	Course Content Delivery by Industry Expert on Mobile Application Development	20/12/2019	20/12/2019	08/02/2020	120
2020	Faculty Members Visit to Queens University, Belfast, UK	10/02/2020	10/02/2020	16/02/2020	4
2019	RECALL – ANNUAL ALUMNI MEET – 2020	04/01/2020	04/01/2020	04/01/2020	63
2019	Effective Teaching and OBE -AICTE-Margadarshan Scheme	11/11/2019	11/11/2019	16/11/2019	65
2020	Online Classwork (During COVID-19 Lockdown)	06/04/2020	06/04/2020	31/10/2020	5500
2020	Online Yoga Workshop	19/06/2020	19/06/2020	21/06/2020	100
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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
Importance of Improving Nutrition for	27/11/2019	27/11/2019	26	22

Children, Adolescent girls, and Women to advance Gender Equity				
Debate on "Gender & crisis And Response & recovery"	27/01/2020	27/01/2020	28	17
An Expert Talk on "Gender Equality and Ethics"	23/07/2019	23/07/2019	35	15
Workshop on "Gender Equality Essential for Social Transformation"	08/08/2019	08/08/2019	45	48
An Expert Talk on " Gender Equality Through Digitalization"	14/08/2019	14/08/2019	29	19
An Expert talk on "Gender Equality and Empower All Women and Girls"	07/09/2019	07/09/2019	58	56
An Awareness programme titled "Gender Equality is a Human Fight not a Female Fight"	18/09/2019	18/09/2019	30	Nill
Outreach Program on "Human Values and Professional ethics"	05/10/2019	05/10/2019	38	89
An Expert Talk on "Women Protection and equality"	06/11/2019	06/11/2019	24	10
A Seminar on "Importance Of Improving Nutrition For Children, Adolescent	27/11/2019	27/11/2019	27	18

Girls and Women To Advance Gender Equality"				
A Guest Lecture on "Gender Inequality & Discrimination Issues"	22/01/2020	22/01/2020	59	51
Debate on "Gender & crisis And Response & recovery"	27/01/2020	27/01/2020	19	29
An essay writing on "Women empowerment-Equality Issues "	08/02/2020	08/02/2020	20	10
An Expert Talk on "Think Equal, Build smart, Innovate for Change"	20/02/2020	20/02/2020	117	131
An awareness program on "Gender Sensitization"	08/03/2020	08/03/2020	41	14
Women Empowerment " Best Practices for the Sustainable Energy Sector"	09/03/2020	09/03/2020	72	60
A Seminar on Gender equality Importance	20/03/2020	20/03/2020	15	28
Think Equal, Build Smart, Innovate for Change	22/02/2020	22/02/2020	117	131
Gender Equality Essential for Social Transformation	08/08/2019	08/08/2019	45	48

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

Percentage of power requirement of the University met by the renewable energy sources
Power requirement met by renewable energy sources 500 kWp Total power requirement 825656 KWH Renewable energy source Roof top Solar Power Plant at SVEC Campus Renewable energy generated and used 748250 KWH Energy supplied to

		the grid 92954 KWH					

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Physical facilities	Yes	8
Provision for lift	Yes	8
Ramp/Rails	Yes	8
Braille Software/facilities	Yes	8
Rest Rooms	Yes	8
Scribes for examination	Yes	1
Special skill development for differently abled students	Yes	8

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
2020	1	1	26/02/2020	1	Out reach activity	road safety signage and signs awareness campaign	186
2019	1	1	22/10/2019	1	Out reach activity	Energy Saving campaign	192
2020	1	1	08/02/2020	2	Out reach activity	The Basic Computer Applications	15
2020	1	1	08/02/2020	2	Out reach activity	Career Development	15
2020	1	1	08/02/2020	2	Out reach activity	Computer Science Awareness and its Importance in Daily Life	15
2020	1	1	06/03/2020	2	Out reach	Latest Innovatio	9

2019	1	1	06/09/2019	2	Out reach activity	Latest Technological Advancements in Artificial Intelligence	9
2019	1	1	20/09/2020	2	Out reach activity	Digital Literacy	17
2019	1	4	16/10/2019	4	Digital Learning Practices	Digital Learning Practices	80
2019	1	1	04/10/2020	1	Outreach Program- "Save the Mother Earth by avoiding Soil Pollution"	Students understood the effect of technology on society. Villagers understood the importance of eradicating soil pollution and its remediation methods.	35

View File

7.1.5 – Human Values and Professional Ethics

Title	Date of publication	Follow up(max 100 words)
Code of Conduct for Students	01/07/2019	Students follow dress code as suggested by the institution and attend classwork.
Student Etiquette – Values and Professional Ethics	01/07/2019	Adhere to the ethics to be followed during laboratory sessions and Project Work. Students Participate in/Organize events as a part of Institutional Social responsibility.
Code of Conduct of	01/07/2019	Roles and

Senior functionaries		responsibilities for all senior functionalities of the institution have been appropriately defined.
Service Rules Code of Conduct	01/07/2019	Faculty members adhering to the service rules and code of conduct set by the institution
Code of Ethics for Plagiarism in Research	01/07/2019	Turnitin software being used to check plagiarism of research articles before submission to publication agencies.

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
An International Webinar on "Gender Sensitization and Women Empowerment"	12/12/2020	12/12/2020	100
A National Webinar on "Stress Management and Work Life Balance"	21/07/2020	21/07/2020	80
An online Guest Lecture on "Career Opportunities in Electronics	18/07/2020	18/07/2020	110
Workshop on "YOGA @ HOME AND YOGA WITH FAMILY"	19/06/2020	21/06/2020	200
A Guest Lecture on "Women Entrepreneur in India"	07/03/2020	07/03/2020	80
An expert lecture on "Awareness on Gynae problems"	25/02/2020	25/02/2020	100
Sketch your View on DISA ACT – 2019	30/12/2020	30/12/2020	120
A one day Workshop on Feminine Self Defence	28/12/2020	28/12/2020	100
A Seminar on Gender Equity	28/10/2020	28/10/2020	120
Poster Presentation	13/09/2019	13/09/2019	50
View File			

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

1. Plastic free campus initiative: Sree Vidyanikethan Engineering College has

initiated plastic free campus. Use of plastics in the campus is banned. There are two canteens in the campus. In both canteens food is served in steel plates and coffee/tea is served in either ceramic or paper cups. Fresh Juice is also served in paper cups only. Paper cups are compostable. They are being sent along with other food wastes for composting in the farm land dairy. It is mixed with cow dung and composted. The composted material is being used as bio-fertilizer for the plants in the farm land. 2. Sign boards at toilets and awareness to the students on water conservation: Water conservation sign boards are provided at toilets with quote as "use water wisely" and "each drop counts" with inner meaning that water is precious, so use it conservatively. All students are also taught about the water conservative methods in the academic curriculum subject "Environmental Science". Hence, students are aware of importance of water conservation to avoid water scarcity. Log books are provided at each department to report if there is any water leakage from taps, and it is immediately brought to the notice of plumbers and repaired. 3. Battery car: One new battery car has been purchased adding to existing battery car. They are used within the campus for visitors and students/staff in case of illness to take them to the dispensary for first aid treatment. Since they are electric battery operated, they are air and noise pollution free. 4. Tree plantation: About 200 tree saplings and 200 shrubs have been planted for green belt development and also for good landscaping in the campus. 5. Energy conservation Energy conservation is being done through preventive maintenance. All electrically operated machines/equipments in the labs are maintained well so that the undue power consumption is avoided. The institute has installed 500 KVA solar energy plant with a provision to lend excess power generated to the state electricity board. 6. Campus clean drive by NSS volunteers: NSS volunteers are trained in one of the NSS programs called "Clean and Green Campus Initiative drive" as a part of the extra- curricular activities towards improving the social responsibility. 7. Battery operated sweeping machine Electric battery operated sweeping machine is used for sweeping of dust and dirt on concrete roads. It works on the principle of vacuum cleaner. Since it has chargeable electric battery for its functioning, it is air and noise pollution free.

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

Best Practices (2019-20) – I: Title of the Practice: Centralized Midterm/Internal Assessment Examination Cell 1. Objective: The main purpose of implementing Centralized Internal Assessment/Midterm Examination Cell in SVEC is to bring transparency in the periodic evaluation of teaching-learning process. The centralized internal assessment examination cell organizes the Internal Assessment Examinations as per the calendar of events of the institute to assess the performance of students over a well distributed interval of time with in the semester and to make the examination an internal and integral part of the teaching process. 2. The Context: Internal assessment is a continuous, periodic in which assessment is done in relation to certain abilities and skills of the students. Internal assessment tests are conducted by the institution as per norms of the affiliating university while semester end examinations are conducted by the College. Internal assessment of the students is done by the faculty handling a particular course and no external faculty is involved in the process. Internal assessment demands the outcome of the students than the ability and skills of the students. The institution's centralized Internal Assessment Examination Cell basically follows a well-defined and transparent methodology to evaluate the robustness of internal assessments meant for eradicating the problems relating to examination system. 3. The Practice: Sree Vidyanikethan College of Engineering is affiliated to Jawaharlal Technological University, Ananthapuramu, Anantapur, Andhra Pradesh

and the rules and regulations for examination process are laid down by the College/university which is communicated to the students through a book supplied in the beginning of first year of their academic orientation program. SVEC's centralized internal assessment examination cell is headed by the Principal and assisted by a senior faculty as chief coordinator who is also the Controller of Examinations. An internal assessment test committee is constituted with principal as the head, a senior Professor as chief coordinator and one faculty from each department as Internal Assessment) IA coordinators. IA committee meetings are held before each internal assessment tests. The institution's exam section/cell is well established in terms of infrastructure, computing, printing and intercom facilities. Two Internal assessment tests/Midterm examinations are conducted every semester and are communicated to students and faculty in the beginning of the semester through institute's academic calendar. The internal assessment tests and evaluation process is communicated to students by the respective departments. The same is briefed to first year students during their orientation program. This information is also available in Institutional Website. Syllabus for each Internal Assessment Test is communicated to the students well in advance before each IA test by respective faculty handling the course. Question papers are set for each course by the faculty based on Revised Bloom's Taxonomy and Course Outcomes. These question papers are scrutinized by Board of Studies Chairman/Chairperson for correctness. Evaluation of student answer scripts is done centrally in the department within three days of completion of IA test and is based on the scheme and solution prepared by the faculty well in advance. The answer scripts are given to students by respective faculty after evaluation for verification of marks. After verification the marks will be entered in NIVA-ERP portal by the concerned faculty. The process of Internal question paper setting followed by the institution is given hereunder: • Faculty prepare question bank/Papers for every course handle by them covering questions as specified by university from each module and covering all the topics. • BoS Chairperon of the department verifies the standard of the question bank/papers before submission to Exam Section. • Institutional Internal Exam Chief coordinator along with an exam team selects the final questions/Question paper for internal assessment tests for each course. • The chief coordinator arranges for printing of Question papers for all the courses of all the departments and kept in safe custody. • Question papers are given to the internal exam coordinator of the department on the day of test, after approval from the principal. • The chief coordinator of IA exams ensure smooth conduction of tests and organizes for the evaluation of answer scripts. • Two midterm exams are conducted in a semester which includes 2 units of syllabus for Test-1 and remaining 3 units for test -2. 4. Evidence of Success: The success rate in the semester end examinations has been improved after the implementation of centralized internal assessment examination system in the institution. All the internal exam related works like, finalizing and printing of test question papers, storing of all unused answer scripts and dispatching of written scripts from the concerned class rooms to the centralized exam cell are done inside the confidential room. Since the question paper is reaching the respective exam hall before few minutes of the examination, just like semester end exam, there is no chance of malpractice or injustice to students and transparency is clearly visible in the system. The faculty members complete the valuation within the stipulated time which helps the mentors/proctors to communicate the academic performance of their students to the parents. Problems encountered and Resources required: Initially there was a lot of resistance from the faculty for centralized evaluation system in the departments, as faculty was taking their own time for evaluation of answer scripts and few faculties were evaluating answer scripts without any scheme and solutions for the question paper. After having a detailed discussion on the entire process, the entire faculty was agreed upon to implement the Centralized Internal Assessment Examination system. A team of dedicated faculty,

departmental coordinators, chief coordinator and supporting staff is very much essential for successful implementation of the system. 5. Future Plans: To communicate the student's academic performance and attendance status through E-mail and also accessibility to students and parents from web. Best Practices (2019-20) - II: 2. Title of the Practice: Curriculum Restructuring for Enhanced Career Opportunities: To provide enhanced career prospects for the student's in-terms of Placements, enrolment to Higher studies and to become Entrepreneur the curriculum is being restructured. The Context: SVEC is implementing the autonomy status accorded by UGC to meet the future aspirations of its students by offering a demand-driven curriculum which caters to the needs of all its stakeholders. Meeting the needs of all the stakeholders is only viable by formulating a demand-driven and updated curriculum through diversified curricular components and program-specific specialized courses for its students. Implementation Plan: The Departments individually identifies the various requirements of their stakeholders with respect to holistic student development, catering to the diversified student interests in terms of enhanced career opportunities after graduation. The Program Assessment Committee (PAC) of the department, headed by the respective Board of Studies Chairperson Head of the department identifies the various needs of its students from the viewpoint of Stakeholders perspective. The Program Assessment Committee collects the feedback from its stakeholders on the offered curriculum and their suggestions are considered for futuristic improvement of the curriculum. The PAC of the department prepares the list of courses required to cater to the diversified student interests in terms of placement opportunities, higher education, and Entrepreneurship. These diversified lists are further distributed in the program curriculum through course components with different compositions of Knowledge, Skill, and Attitude, as required for its students. The diversified Course components offered to students include Core courses, Program Electives, Interdisciplinary Electives, Open Electives, Mandatory Courses, Audit Courses, Laboratory Courses, Skill-based Courses, Socially Relevant Projects, Mini Projects, Seminar, Internship and Project Work. The attainments of the student are measured in terms of Course Outcomes, Program Outcomes, and Program Specific Outcomes. These attainments of Outcomes help in evaluating the student learning outcomes. If any gaps are found in the curriculum, then they are supplemented by offering Add-on/Value Courses, activities through Student Professional bodies/society chapters, Department-specific Technical Associations, etc. The latest trends and progressive technologies are further supplemented with Expert-Lectures, Guest Lectures, Workshops, and Orientation Programs. SVEC has implemented the above in all its regulations to enhance career opportunities for its students. Challenges and Resources: Challenges: Recruitment and retention of skilled and qualified faculty members keeping in view of dynamics involved in curricular restructuring. Revising the core and specialized courses and aligning them to meet the needs of all its stakeholders is a tedious task, as it has to cater to many disciplines. Resources Required: Skilled faculty members to teach advanced courses, setting up new laboratories, make suitable arrangements to accommodate the new requirements in terms of Equipment and Software. Expected Outcomes: The outcomes are expected in terms of a Formulated Curriculum that provides the necessary support to students for Enhanced Placements and Internships, Preparedness to attempt competitive examinations like GATE, GRE, IELTS, etc… and Entrepreneurial abilities.

Upload details of two best practices successfully implemented by the institution as per NAAC format in your institution website, provide the link
https://www.svec.education/best-practices/

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

Sree Vidyanikethan Engineering College (SVEC empowers its students in the pursuit of knowledge, skills and social responsibility, help students achieve excellence in various fields and to prepare them face the challenges in the real world. The institute has established its distinctive approach by modelling it in the form of service to the society, by establishing a Community for Rural development, Socially Relevant Project, allowing the students to organize events to develop their skills, multidisciplinary project development, funding for Strat-up and encourage Entrepreneurship, Ethical and Human value development. Activities taken up in the direction includes the following: Student Technical Associations Professional Bodies: All the departments in SVEC have started Student Technical Associations, which are associated with prominent professional bodies. The activities envisaged under this includes skill-oriented programs and activites inclined towards service to the society. This includes activites relevant to rural area development around the institution. Activites range from surveying to Digital Literacy. Student Clubs: To develop multi-disciplinary skills among students, SVEC has established student clubs like App Development Club, Gaming Club, Robotic Club, Web Application Development Club and Idea Club. They stive to inculcate the attitude, orientation and skills essential for developing Socially relevant and feasible products. Constitution of Dr.M.Mohan Babu start-up fund: Management trust of SVEC has set up Dr. Mohan Babu Startup Fund to encourage young ideators and innovators. Anybody with ideas that have the potential to change the world or at least impact and influence life in a great way, is welcome to make a pitch. And if the panel members of the fund see potential in the idea, it is then funded by the initiative. The Dr. Mohan Babu Startup Fund was set up in 2016 with a reward base of Rs.1 crore. Skill Development: The Institution arranges skill enhancement programs to develop their skills for example – Personality enrichment, Employability skill development, Entrepreneurial development, Language skill development etc.Centre for Rural Development: The institution constituted Center for Rural Development with the following activites: Primary Education for villagers, Digital Literacy, Planning for proper Waste Disposal units and Healthcare in rural areas of the institution. NSS Student Chapter: NSS chapter facilitates students to take part in various government led community service activities programs. The sole aim of the NSS chapter of SVEC is to provide hands on experience to young students in delivering community service. Projects Social Relevance: Students at the UG and PG degree courses are encouraged to take up Internships in industries and pursue their projects which gives them hands on training in their field of interest. Socially relevant projects are also included as a curricular component to take students nearer to the problems faced in the society. Entrepreneurship Development Cell Activites: ED Cell crucially works on generating the excitement in the young brains to produce innovation and thus laying the stones for entrepreneurship. In this activity, Young minds are motivated for start-ups and be a successful entrepreneur.

Provide the weblink of the institution
https://www.svec.education/Institutional-distinctiveness/

8.Future Plans of Actions for Next Academic Year

The following are the Plans for action during the next academic year (2020-21):
• Introduction of New Teaching Learning Methods to meet Contemporary challenges • Formulate and Implement Annual Operating Plan 2020-2021 as per Quality Indicator Framework • Adhering to the latest guidelines set by AICTE, APSCHE and formulation of contemporary curriculum and regulations for 2020-21 • Plan and Organize Online events for faculty and student development • Devise mechanisms and formulate rubrics to assess and record all Program Outcomes effectively

through student group assignments • Explore avenues for furthering Industry collaborations • Effective planning for identifying research potential among faculty and target on outcome-based models. • Apply for NAAC Re-Assessment for the upgradation of existing grade