Yearly Status Report - 2018-2019

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/iqac/

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/courses/b-tech-electronics-and-communication-engineering/#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		
AICTE-Model-Induction Program to Fresher	02-Jul-2018 14	897
Faculty Development Program on Multidisciplinary Research: Barriers and opportunities with Computing	21-Jan-2019 5	42
One Day Workshop on OBE Curriculum Design	28-Mar-2019 1	32
Parent Meet	06-Oct-2018 1	127
Interaction with Prof. K.N.Satyanarayana, Director, IIT, Tirupathi	20-Oct-2018 1	278
RECALL Alumni Meet	16-Feb-2019 1	213
Interaction with Prof. Abdul K.M.Azad from Northern Illinois University, US	07-Feb-2019 1	184
Two Day Research Expo and Workshop on Data Science	21-Jan-2019 2	200
A Guest Lecture on Balance for Better by Ms. P. Devi, Social Activist, UNICEF	07-Mar-2019 1	345
Professional Body American Society of Civil Engineers	30-Apr-2019 1	245
	[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	40000000
Sree Vidyanikethan	UGC CPE	UGC	2016 2190	0

Engineering 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)

? Initiating book purchase policy at the institute level ? Curriculum Revision as per AICTE Model Curriculum ? Initiative for Procurement of Turnitin: A similarity check software ? Initiation of OnCampus Training for higher education aspirants ? Academic and Administrative Audit, NAAC NBA Accreditations

View File

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
Curriculum Revision as per needs of industry and other statuatory bodies	**SVEC19 curriculum as per industry needs and AICTE model curriculum was implemented**
NAAC Accreditation	**SVEC was accredited by NAAC with Grade-A**
NBA Accreditation of EEE, CE, CSSE and ME	**Departments of EEE, CSSE, CE & ME applied for NBA accreditation**
Innovative Practices in Teaching-Learning	**Identified faculty members took up innovative teaching-Learning for effective student learning outcomes**
Induction Program for Freshers	**AICTE Model Induction program was conducted for I Year B.Tech students**
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14. **Whether AQAR was placed before statutory body ?**	Yes

Name of Statutory Body	Meeting Date
Governing Body	02-Jul-2019

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	2019
Date of Submission	12-Jan-2019
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 Enquriy, Admissions process 2. Studentview and edit profile 3. Fee paymentsfee reimbursement module, General fee module, Adhoc fees, online payments 4. MentorMentee Moduleconducting recording of counseling sessions, update mentee co curricular 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. Transportationapply for transportation, pay fee 9. Feedback modulefeedback on faculty, feedback on any other general , surveys 10. Internal Examination modulegeneration of notification, finalize nominal rolls, generation of timetable, seating plan, allocation of invigilation duties ,attendance posting, mark submission, publish results 11. Daily evaluation

moduledaily 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

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	Syllabus Not Revised	Syllabus Not Revised	25/06/2018
Mtech	Syllabus Not Revised	Syllabus Not Revised	27/08/2018
MCA	Syllabus Not Revised	Syllabus Not Revised	13/08/2018
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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	Electronics and Communication Engineering	02/07/2018	Electrical and Electronics Workshop Practice-16BT10232	02/07/2018
BTech	Electronics and Communication Engineering	02/07/2018	Programming in C Lab-16BT10531	02/07/2018
BTech	Electronics and Communication Engineering	31/12/2018	Technical English -16BT1HS01	31/12/2018
BTech	Electronics and Communication Engineering	31/12/2018	Foundations of Data Structures-16BT20541	31/12/2018
BTech	Electronics and Communication Engineering	31/12/2018	English Language Lab -16BT1HS31	31/12/2018
BTech	Electronics and Communication Engineering	31/12/2018	Computer Aided Engineering Drawing -16BT10331	31/12/2018

BTech	Electronics and Communication Engineering	31/12/2018	Foundations of Data structures Lab-16BT20551	31/12/2018
BTech	Electronics and Communication Engineering	25/06/2018	Electronic Circuit Analysis and De sign-16BT30401	25/06/2018
BTech	Electronics and Communication Engineering	25/06/2018	Switching Theory and Logic Design-16 BT30403	25/06/2018
BTech	Electronics and Communication Engineering	02/07/2018	Programming in C-16BT10501	02/07/2018
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1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the Academic year

Programme/Course	Programme Specialization	Dates of Introduction
BTech	Building Materials and Construction Technology – 16BT20101	19/12/2018
BTech	Building Materials and Construction Technology Lab - 16BT20131	19/12/2018
BTech	Transformation Techniques and Partial Differential Equations – 16BT2BS01	19/12/2018
BTech	MATLAB Practice for Civil Engineers – 16BT20252	19/12/2018
BTech	Soft Skills Lab – 16BT4HS31	19/12/2018
BTech	Costing and Finance Management for Civil Engineers - 16BT5HS02	25/06/2018
BTech	Principles of Image Processing - 16BT50441	25/06/2018
BTech	Fire Engineering – 16BT60104	19/12/2018
BTech	Advanced Surveying – 16BT60107	19/12/2018
BTech	Structural Health Monitoring - 16BT60111	19/12/2018
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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
MCA	Master of Computer Applications	13/08/2018
BTech	Electronics and Communication Engineering	25/06/2018
BTech	Electrical and Electronics Engineering	25/06/2018
BTech	Mechanical Engineering	25/06/2018
BTech	Computer Science Engineering	25/06/2018
BTech	Computer Science and Systems Engineering	25/06/2018
BTech	Information Technology	25/06/2018
BTech	Civil Engineering	25/06/2018
BTech	Electronics and Instrumentation Engineering	25/06/2019
Mtech	Computer Science	27/08/2018
Mtech	Electrical Power Systems	27/08/2018
Mtech	Software Engineering	27/08/2018
Mtech	Digital Electronics and Communication Systems	27/08/2018
Mtech	VLSI	27/08/2018
Mtech	Communication Systems	27/08/2018
Mtech	Computer networks and Information Systems	27/08/2018
Mtech	Power Electronics and Drives	27/08/2018

1.3 – Curriculum Enrichment

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

Value Added Courses	Date of Introduction	Number of Students Enrolled
Skill development program on Embedded Systems	15/04/2019	84
Add-on Course on Arduino Based programming and Circuit Designing	12/11/2018	80
A Refresher course on Fundamentals of MATLAB and its applications	20/08/2018	92
Focus Academy - Career Enhancement - Training for Pre Final Years 2020 Batch	06/09/2019	264

Class of 2020 Summer Training (programming in C, Data structures, Infosys Python Programming, Algorithms analysis)	27/05/2019	279
Technical Training for the Class of 2020	25/02/2019	279
Face-Campus Recruitment Training Program	06/09/2018	279
Advanced Technical Training on Core JAVA PYTHON	02/07/2018	286
Summer training program	06/06/2018	279
Advanced Level Technical Skills Training (C and Data Structures)	10/06/2019	264
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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	1
BTech	Electronics and Communication Engineering	20
BTech	Electronics and Communication Engineering	3
BTech	Electronics and Communication Engineering	1
BTech	Electronics and Communication Engineering	2
BTech	Electronics and Communication Engineering	10
BTech	Electronics and Communication Engineering	1
BTech	Electrical and Electronics Engineering	7
BTech	Electrical and Electronics Engineering	10
BTech	Electrical and Electronics Engineering	19
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1.4 – Feedback System

1.4.1 – Whether structured feedback received from all the stakeholders.

Students	Yes
Teachers	Yes

Employers	Yes
Alumni	Yes
Parents	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 fitness. 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	36	16	16
Mtech	Computer Science	36	9	9
BTech	Computer Science and Systems ENgineering	120	117	117

BTech	Information Technology	120	114	114
BTech	Electronics and Instrumentation Engineering	120	44	44
BTech	Computer Science and Engineering	240	253	253
BTech	Electronics and Communication ENgineering	240	236	236
BTech	Mechanical Engineering	180	156	156
BTech	Electrical and Electronics Engineering	240	183	183
BTech	Civil Engineering	120	115	115
[View File](#)				

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
2018	5551	269	356	16	40

2.3 – Teaching - Learning Process

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

Number of Teachers on Roll	Number of teachers using ICT (LMS, e-Resources)	ICT Tools and resources available	Number of ICT enabled Classrooms	Numberof smart classrooms	E-resources and techniques used
372	334	12	74	9	10
[View File of ICT Tools and resources](#)					
[View File of E-resources and techniques used](#)					

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

Student Mentoring System is one of the student-centric quality practices followed in the institution. The Faculty mentors are assigned to a group of 15-20 students from the first year of their programs during the induction. 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 personal 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 and others.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
5820	335	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
372	372	4	4	132

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
2018	Dr. T. Nageswara Prasad	Professor	Academic Council Member at Sri Venkatesa Perumal College of Engineering and Technology, Puttur
2019	Dr. M. S Sujatha	Professor	"Best Women Teacher Award" by Vidya Parirakshana Samithi at SPW Degree PG College, Tirupati on 30th December, 2018, in the memory of Savitribai Jyotirao Phule, an Indian Social Reformer, Educationalist, Poet and the First Lady Teacher of India
2018	Dr. M. S Sujatha	Professor	Reviewer in Third International Conference on Emerging Trends in Electrical, Communication and Information Technologies-2018, SRIT Ananthapuramu
2019	Dr. M. S Sujatha	Professor	"Best Women Teacher Award" by Vidya Parirakshana Samithi at SPW

			Degree PG College, Tirupati on 30th December, 2018, in the memory of Savitribai Jyotirao Phule, an Indian Social Reformer, Educationalist, Poet and the First Lady Teacher of India
2019	Dr. N. M. G. Kumar	Professor	Reviewer in ICIMES
2019	Dr. N. M. G. Kumar	Professor	Judge for National Level Technical Symposium "E-BLAZE 2k19", Sree Venkateswara University College of Engineering, Tirupati
2019	Dr. G. Hari Krishnan	Associate Professor	Board of Studies Member for Department of Biomedical Engineering at Sathybama Institute of Science and Technology
2019	Dr. P. Srinivasa Rao	Associate Professor	Session Chair at 2nd IEEE international conference on Innovations in Power and Advanced Computing Technologies, VIT, Vellore
2019	Mr. K Leleedhar Rao	Assistant Professor	"Young Scientist Award" by International Association of Research and Development Organization on the occasion of International Award Conference on Multi-Disciplinary Research and Applications-2019, organized at Kasetsart University, Bangkok, Thailand

2019	Mr. K Leleedhar Rao	Assistant Professor	Technical Faculty Expert for Electrical Systems design and Green Power Solutions of Advanced Ultra Power Transmission Consultancy, Gurgoan

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2.5 – Evaluation Process and Reforms

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

Programme Name	Programme Code	Semester/ year	Last date of the last semester-end/ year- end examination	Date of declaration of results of semester- end/ year- end examination
BTech	BT	III B.Tech II Sem. (SVEC16) Regular Examinations May-2019	25/05/2019	20/06/2019
BTech	BT	II B.Tech I Sem. (SVEC10) Supplementary Examinations June-2019	25/06/2019	15/07/2019
BTech	BT	III B.Tech I Sem. (SVEC10) Supplementary Examinations June-2019	25/06/2019	15/07/2019
BTech	BT	IV B.Tech I Sem. (SVEC10) Supplementary Examinations June-2019	25/06/2019	15/07/2019
BTech	BT	II B.Tech I Sem. (SVEC14) Supplementary Examinations June-2019	25/06/2019	15/07/2019
BTech	BT	III B.Tech I Sem. (SVEC14) Supplementary Examinations June-2019	25/06/2019	15/07/2019
BTech	BT	IV B.Tech I Sem. (SVEC14) Supplementary Examinations June-2019	25/06/2019	15/07/2019

BTech	BT	IV B.Tech II Sem. (SVEC14) Supplementary Examinations June-2019	25/06/2019	15/07/2019
BTech	BT	II B.Tech I Sem. (SVEC16) Supplementary Examinations June-2019	25/06/2019	15/07/2019
BTech	BT	III B.Tech I Sem. (SVEC16) Supplementary Examinations June-2019	25/06/2019	15/07/2019
[View File](#)				

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
453	5951	7.61

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/courses/b-tech-electronics-and-communication-engineering/#peo-po-pso

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	Electronics and Communication Engineering	285	264	92.63
BT	BTech	Electrical and Electronics Engineering	262	244	93.13
BT	BTech	Mechanical Engineering	205	195	95.12
BT	BTech	Computer Science Engineering	258	244	94.57
BT	BTech	Computer Science and Systems Engineering	116	101	87.07

BT	BTech	Information Technology	110	101	91.82
BT	BTech	Civil Engineering	131	117	89.31
BT	BTech	Electronics and Instrumentation Engineering	87	79	90.8
MT	Mtech	Computer Science	11	11	100
MT	Mtech	Electrical Power Systems	17	17	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/naac/AQAR

CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION

3.1 – Promotion of Research and Facilities

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

Yes
Name of the teacher getting seed money
Dr. K. Ramani
View File

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

Type	Name of the teacher awarded the fellowship	Name of the award	Date of award	Awarding agency
Nill	NIL	NIL	Nill	NIL
		View File		

3.2 – Resource Mobilization for Research

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

Nature of the Project	Duration	Name of the funding agency	Total grant sanctioned	Amount received during the year
Minor Projects	730	University Grants Commission	0.18	0.18

		(UGC)		
Minor Projects	730	University Grants Commission (UGC)	0.18	0.18
Major Projects	730	Department of Science and Technology (DST-WoS)	9.7	9.7
Major Projects	1095	Department of Science and Technology (DST)	36.49	20.1
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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
Add-On course on "Digital Circuits Modeling by EDA Tools"	Electronics and Communication Engineering	02/04/2019
Guest Lecture "Role of DSP in Biometric Applications"	Electronics and Communication Engineering	23/03/2019
Expert Lecture, "Advancement in Wireless Communications"	Electronics and Communication Engineering	22/02/2019
IETE Outreach Program on Smart Phone Apps For Women	Electronics and Communication Engineering	16/02/2019
Technical Talk on Course Design and Delivery using CANVAS LMS	Electronics and Communication Engineering	15/02/2019
Three Day Add-On course on Image Processing Applications Using MATLAB	Electronics and Communication Engineering	28/01/2019
IIC Workshop on "IPR for Students and Faculty Members"	Electronics and Communication Engineering	10/01/2019
APSSDC Workshop on "PLC – Orientation"	Electronics and Communication Engineering	08/10/2018
A one day workshop on "Applications of DSP in Electrical Engineering" under IEEE student chapter	Electrical and Electronics Engineering	16/04/2019

Expert Lecture on Testing and Commissioning of EHV Power Transformers"	Electrical and Electronics Engineering	28/02/2018
A one day workshop on "Awareness on Virtual Labs" under IEEE Student Chapter	Electrical and Electronics Engineering	26/02/2019
A Seminar on "Control Systems In Automotive And Aerospace Industries"	Electrical and Electronics Engineering	13/10/2018

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

Title of the innovation	Name of Awardee	Awarding Agency	Date of award	Category
Glass Fibre Reinforced Gypsum Technology	M. Manoj Kumar and B. Manoj Kumar	JNTUA College of Engineering Kalikiri	23/02/2019	Paper Contenst
Comparison of Engineering Properties of Soils through Normative Mineral Analysis	D.Pragathi and B.Sujan Kumar	National Conference Modern Construction Materials and Techniques for Sustainable Development organized bySt. Peters College of Engineering and Technology, Avadi, Chennai	29/03/2019	National Confernece
Research Award	Dr.M.Sunil Kumar	Young Researcher Award-SOFTWARE ARCHITECTURE from INTEGRATED INTELLIGENT RESEARCH,Chennai	31/01/2018	Young Researcher Award (Research)
Young Researcher Award-Data Mining	Dr.B.Narendra Kumar Rao	Integrated Intelligent Research	31/01/2018	Republic Day Achievers Award-2017 (Research)
Innovative project on IOT based Stress Detection System	A Anusha, M.Tech DECS	MHRD, AICTE, GOI	30/06/2019	Nominated for IIC POC Contest
Aprreciation Certificate for serving as President, IIC, SVEC	Dr. N Padmaja	MHRD, AICTE, GOI	25/06/2019	MHRD Innovation Cell Annual performance

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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
1	Centre for innovation and Technology incubation	Sree Vidya nikethan Educational Trust, tirupathi	Morse team	IT services	24/08/2018
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3.4 – Research Publications and Awards

3.4.1 – Ph. Ds awarded during the year

Name of the Department	Number of PhD's Awarded
Mechanical Engineering	1
Information Technology	1
Basic Sciences and Humanities	1

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

Type	Department	Number of Publication	Average Impact Factor (if any)
International	Electronics and Communication Engineering	55	4.58
International	Electrical and Electronics Engineering	20	1.86
International	Mechanical Engineering	30	1.8
International	Computer Science Engineering	10	0.95
International	Information Technology	23	2.34
International	Civil Engineering	8	2.46
International	Master of Computer Applications	6	0.9
International	Electronics and Instrumentation Engineering	2	1.56
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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 Instrumentation Engineering	8
Basic Sciences and Humanities	5

Civil Engineering	11
Master of Computer Applications	Nill
Information Technology	21
Computer Science and Systems Engineering	20
Computer Science Engineering	14
Mechanical Engineering	33
Electrical and Electronics Engineering	11
Electronics and Communication Engineering	40

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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: DESIGN OF DOUBLE EDGE TRIGGERED MASTER SLAVE FLIP-FLOP USING A NOVEL PARALLEL SLEEPY STACK TECHNIQUE	Published	201741032973 A	22/03/2019
Title of the invention: A SIMPLE AND EFFECTIVE DEVICE FOR DETECTION AND DIAGNOSING THE EARLIAR DIABETES THYROID UBNORMAL	Published	201941013976 A	17/05/2019
Title of the invention: CRASH OF IMPLEMENTING VPNS TO SECURE WIRE AND WIRELESS NETWORK	Published	201941005772 A	22/02/2019
Title of the invention: CLOGGING CONTROL AND PREVENTION IN ROUTING IN WSN	Published	201941019143 A	14/06/2019
Intelligent Shopping Cart with Personalized Recommender System	Published	201841026162	20/07/2018
A Hybrid Method to Identify Optimal Initial Cluster Center for Clustering	Published	201841029493	17/08/2018
Intelligent	Published	201841044312	30/11/2018

Shopping Assistance and In-Store Navigation using Aerial Drones			
System and Method for Online audit and Inspection of Educational Institutions	Published	201941001247	18/01/2019
System and Method of Providing Assistance for Monitoring Land Encroachment	Published	201941002882	01/02/2019
Advanced Traffic Control System by using Intelligent Technology	Filed	201821029070	02/08/2018

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

Title of the Paper	Name of Author	Title of journal	Year of publication	Citation Index	Institutional affiliation as mentioned in the publication	Number of citations excluding self citation
Automatic Identification of Maritime Boundary Alert System using GPS	A Kavitha, N Ashok Kumar, M Revathy	International journal of Engineering Technology(IJET)	2018	0	Sree Vidyanikethan Engineering College, Tirupati.	Nill
A Novel Image Enhancement Technique Based on Trainable Nonlinear Reaction Diffusion (TNRD)	B.Senthil Kumar, Pandluru Supriya	Journal of Emerging Technologies and Innovative Research (JETIR)	2018	0	Sree Vidyanikethan Engineering College, Tirupati.	Nill
Encoding schemes for reducing Transition activity and power consumption in VLSI interconne	Vithyalakshmi.N, Nagarajan.P, Ashok Kumar.N, Vinoth.G.S	International journal of Engineering Technology(IJET)	2018	0	Sree Vidyanikethan Engineering College, Tirupati.	Nill

cts-A review						
True Ohmic contact on RF Sputterd ZnO thin film by using the Non alloy Ti/Au metallization scheme	A. B. Yadav, Basavaraj S. Sannaka shappanava r	Journal of Alloy and Compounds	2018	0	Sree Vid yanikethan Engineerin g College, Tirupati.	Nill
Simulation of Real Time Multi processor Static Scheduling Algorithms	P. Madhu Kumar, R. Nagendra	i- managers journal on Embedded Systems	2018	2	Sree Vid yanikethan Engineerin g College, Tirupati.	2
Compressed Sensing Based Secret Image Sharing Scheme With Minimum Number of Shares And Shadow Size	T.V.S.Go wtham Prasad, T.Ravi kumar Naidu, S.Tulasi Prasad, B.Ramya	Journal of Emerging T echnologie s and Innovative Research (JETIR)	2018	0	Sree Vid yanikethan Engineerin g College, Tirupati.	Nill
Design, Simulation and Testing of Digital Beacon Receiver Using Ads Software	G. Hemac handra, V. Revathi, P. Parvathi, V. M. S. N. Pavan Kumar Ch	i- manager's Journal on Communicat ion Engine ering and Systems	2018	0	Internat ional journal of Engineerin g TecSree Vidyaniket han Engine ering Coll ege,Tirupa ti.hnology (IJET)	Nill
Developm ent of Electronic System for Safer and Reliable T ransporInt ernational Journal of	G.Komala Yadav, T.Krishna Moorthy, P.Saisri	Internat ional Journal of Research in electro nics and computer E ngineering (IJRECE)	2018	0	Internat ional journal of Engineerin g Sree Vid yanikethan Engineerin g College, Tirupati.T	Nill

Research in electronics and computer Engineering (IJRECE)tation					echnology(IJET)	
Novel Segmentation method for detection of Tumors in Human Brain	C.Subhas, C.Suhma	Journal of Emerging Technologies and Innovative Research (JETIR)	2018	0	Sree Vidyanikethan Engineering College, Tirupati.	Nill
Performance of LDPC codes in rayleigh channels	C.Subhas, V.Bhnaupriya	Journal of Emerging Technologies and Innovative Research (JETIR)	2018	0	Sree Vidyanikethan Engineering College, Tirupati.	Nill
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3.4.6 – h-Index of the Institutional Publications during the year. (based on Scopus/ Web of science)

Title of the Paper	Name of Author	Title of journal	Year of publication	h-index	Number of citations excluding self citation	Institutional affiliation as mentioned in the publication
Microstrip Feed Monopole Circle to Circle Fractal Antenna for Multiband Applications	V. R. Anitha	International Journal of Engineering Technology	2018	5	Nill	Sree Vidyanikethan Engineering College, Tirupati.
Triple-Band Coplanar Waveguide-Fed Circular Patch Antenna	V.R.Anitha	Journal of Emerging Technologies and Innovative Research (JETIR)	2019	5	Nill	Sree Vidyanikethan Engineering College, Tirupati.
SRR Loaded Patch Antenna for X-band	V.R.Anitha	International Journal of Modern Electronics	2019	5	Nill	Sree Vidyanikethan Engineering College, Tirupati.

		and Communication Engineering (IJMECE)				
Meandered Shaped Microstrip Feed Antenna for Ku-band Applications	V.R.Anitha	International Journal of Mechanical and Production Engineering Research and Development	2018	5	Nill	Sree Vidyanikethan Engineering College, Tirupati.
Design of Low Power Johnson Counter Using Lector Technique Using 50nm Technology	N. Padmaja	Indian Journal of Public Health Research and Development	2018	3	Nill	Sree Vidyanikethan Engineering College, Tirupati.
QOS Control For Wireless Video Communication- A Survey	N. Padmaja	i-manager's journal on Electronics Engineering	2018	3	Nill	Sree Vidyanikethan Engineering College, Tirupati.
Convolution Techniques using Modified Booth Multiplication	N. Padmaja	I-managers journal on Digital signal Processing	2019	3	Nill	Sree Vidyanikethan Engineering College, Tirupati.
Design and Analysis of Compact Micro Strip Patch Antenna For UWB Applications	K.S.Chakradhar	Journal Of Advanced Research In Dynamical Control Systems	2018	1	Nill	Sree Vidyanikethan Engineering College, Tirupati.
Compressed Sensing Based Secret Image Sharing Scheme	S.Tulasi Prasad	Journal of Emerging Technologies and Innovative Research (JETIR)	2018	2	Nill	Sree Vidyanikethan Engineering College, Tirupati.

With Minimum Number Of Shares And Shadow Size							
True Ohmic contact on RF Sputterd ZnO thin film by using the Non alloy Ti/Au metallization scheme	A. B. Yadav	Journal of Alloy and Compounds	2018	8	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	16	361	32	85
Presented papers	91	39	Nill	Nill
Resource persons	29	139	2	12

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3.5 – Consultancy

3.5.1 – Revenue generated from Consultancy during the year

Name of the Consultan(s) department	Name of consultancy project	Consulting/Sponsoring Agency	Revenue generated (amount in rupees)
Electrical and Electronics Engineering	Performance assessment of 500.3 kWp roof top solar power plant at SreeVidyanikethan Engineering College	Sree Vidyanikethan Educational Trust, Tirupati.	0
Civil Engineering	Testing of Filter Water and Bore Water Samples from SVIS, A. Rangampet. (12.06.2018)	Sree Vidyanikethan Educational Trust, Tirupati.	0
Civil Engineering	Testing of Bore Water Samples from SVIS, A. Rangampet. (26.07.2018)	Sree Vidyanikethan Educational Trust, Tirupati.	0
Civil Engineering	Testing of Water Samples from SVIS, A. Rangampet. (05.09.2018)	Sree Vidyanikethan Educational Trust, Tirupati.	0

Civil Engineering	Testing of Swimming Pool Water Samples from SVIS, A. Rangampet. (29.11.2018)	Sree Vidyanikethan Educational Trust, Tirupati.	0
Civil Engineering	Testing of Swimming Pool Water Samples from SVIS, A. Rangampet. (04.12.2018)	Sree Vidyanikethan Educational Trust, Tirupati.	0
Civil Engineering	Testing of Treated Sewage Water Samples from SVIS, A. Rangampet. (06.12.2018)	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
Mr. K Leleedhar Rao Mr. D. Jagadeesh Electrical and Electronics Engineering	Certificed Training Program on Solar PV Power Infrastructure And Solutions	Meritorious Students from selected institutions and students of SVEC	0	20
M Chenchaiah	APSSDC-SIEMENS Training	Govt ITI (Adi Narayana Ph.No: 9010484743)	83600	38
E Murali Raghava R Praveen Kumar M Chenchaiah	APSSDC-SIEMENS Training	Govt ITI (T.Chandra babu Ph.No :9966451830)	110400	48
R Praveen Kumar M Chenchaiah	APSSDC-SIEMENS Training	Govt ITI	59400	27
E Arun Kumar E Murali Raghava	APSSDC-SIEMENS Training	Apsweris Pileru (Reddy Rekha)	15795	39
E Murali Raghava N Ephraim	E Murali Raghava N Ephraim	Apsweris Pileru (Reddy Rekha)	16400	41
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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

OFFLINE/ONLINE ELECTORAL REGISTRATION PROCESS	NSS UNIT in collaboration with "SVEEP"- Election Commission of AP	4	250
DIABETES CAMP	NSS UNIT in collaboration with ARH Diabetes Hospital, Tirupati	4	280
AWARENESS CAMP ON CYBER CRIME	NSS UNIT Women's Grievance Cell in collaboration with 'MAHILA RAKSHAK SPECIAL TEAM'-AP Police, Tirupati.	6	600
INTERNATIONAL WOMEN'S DAY	NSS UNIT Women's Grievance Cell	6	600
BLOOD DONATION CAMP	NSS UNIT in association with SVIMS,SVRRGGH Govt. General Hospital, SVS Charitable Trust	4	400
NSS SPECIAL CAMP	In Collaboration with C2F	4	100
"Usage of Computers in Real World"/digital awareness campaign	NSS UNIT in collaboration with Computer Eengineers Technical Association, Sree Vidyanikethan Engineering College	4	125
"Personality Development" for 9th 10th class students in Zilla parishad High school,/ personality development program for high school at zphs	NSS UNIT in collaboration with Computer Eengineers Technical Association, Sree Vidyanikethan Engineering College	4	190
"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	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	SVS Charitable Trust Blood Bank, Tirupati	400
Services and activities rendered to the Farmers	Appreciation/Recognition Award for the Institution	Connect 2 Farmer,Chittoor	1130
Innovation, IPR and Entreprenuer Activities	Best Performing Institution Innovation Council	MHRD, AICTE, GOI	400
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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
Health and hygiene survey at adopted villages	Unnat bharat abhiyan 2.0 in collaboration with Center for rural development- SVET	Unnat bharath Abhiyaan 2.0	4	180
"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	150
"Personality Development" for 9th 10th class students in Zilla parishad High school,/ personality development program for high school at zphs	NSS UNIT in collaboration with Computer Eengineers Technical Association, Sree Vidyanikethan Engineering College	"Personality Development" for 9th 10th class students in Zilla parishad High school,/ personality development program for high school at zphs	4	190
"Usage of Computers in Real World"/digital awareness campaign	NSS UNIT in collaboration with Computer Eengineers Technical Association, Sree Vidyanikethan Engineering College	digital india Campaign	4	125

NSS SPECIAL CAMP	In Collaboration with C2F	ZERO BUDGET NATURAL FARMING	4	100
BLOOD DONATION CAMPNSS	NSS UNIT in association with SVIMS,SVRRGGH Govt. General Hospital, SVS Charitable Trust	BLOOD DONATION CAMP	4	400
INTERNATIONAL WOMEN'S DAY	NSS UNIT Women's Grievance Cell	INTERNATIONAL WOMEN'S DAY	6	600
AWARENESS CAMP ON CYBER CRIME	NSS UNIT Women's Grievance Cell in collaboration with 'MAHILA RAKSHAK SPECIAL TEAM'-AP Police, Tirupati.	'MAHILA RAKSHAK SPECIAL TEAM'-AP Police	6	600
DIABETES CAMP	NSS UNIT in collaboration with ARH Diabetes Hospital, Tirupati	National Diabetes awareness day	4	280
OFFLINE/ONLINE ELECTORAL REGISTRATION PROCESS	NSS UNIT in collaboration with "SVEEP"- Election Commission of AP	OFFLINE/ONLINE ELECTORAL REGISTRATION PROCESS	4	250
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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	DST-TIDE	365
Funded Project	Dr.V.R.Anitha & Mr.Allu Hariseshu	DST- Biomedical Device and Technology Development (BDTD)	1095
Reviewer	Dr. V. Jyothsna	ICT Express	630
Reviewer of the journal	Dr. K. Ramani	International Journal of Information Security and	810

		Privacy (IJISP), IGI global		
Governing body member	Dr. K. Ramani	Sree Venkateswara College of Engineering, Nellore		810
Reviewer	Dr. V. Jyothsna	International Journal of Information and Computer Security		365
Internship	A SAI SURYA	Circle Square Technologies, Bangalore		120
Internship	A SIREESHA	BSNL, Tirupati		30
Internship	A SYAM SUNDHAR	Circle Square Technologies, Bangalore		120

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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	Internship	Mahindra Service Centre, Madanapalli	13/06/2019	23/06/2019	1 Student
Industry	Internship	Intelligent Research Computing Lab, SVEC, Tirupati	03/06/2019	22/06/2019	32 Students
Industry	Internship	O M/RTPP, V V Reddy Nagar, Kadapa	03/06/2019	18/06/2019	6 Students
Industry	Internship	AP TRANSCO, Kadapa	03/06/2019	22/06/2019	1 Student
Industry	Internship	TTD Workshop, Tirupati	02/06/2019	30/06/2019	2 Students
Industry	Internship	Deakin, IIT-M Materials and Manufact uring,	01/06/2019	31/07/2019	1 Student

		Chennai			
Industry	Internship	Thermal Systems Pvt Ltd, Hyderabad	01/06/2019	25/06/2019	3 Students
Industry	Internship	Bharat Heavy Electrical Limited, Hyderabad	31/05/2019	25/06/2019	2 Students
Industry	Internship	ISUZU Motors India Pvt Ltd, Sricity Plant, Sricity	29/05/2019	22/06/2019	2 Students
Industry	Internship	APGENCO, Nellore	28/05/2019	11/06/2019	10 Students
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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
Advanced Ultra Power Transmission Consultancy	13/12/2018	Skill development for students	76
University Tenaga Nasional(MALAYSIA)	28/06/2019	Academia	65
Northern Illinois University	16/03/2019	Academia	40
Red Hat India Private Limited	21/02/2019	Skill development for students	120
SyngyMaxim Solutions Private Limited, Hyderabad	15/10/2018	BOS, Expert Lecturers,IIIC Research Mentoring	Nill
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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
3253	151

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Campus Area	Existing
Class rooms	Existing

Seminar Halls	Existing
Classrooms with LCD facilities	Newly Added
Seminar halls with ICT facilities	Newly Added
Video Centre	Newly Added
Value of the equipment purchased during the year (rs. in lakhs)	Newly Added
Number of important equipments purchased (Greater than 1-0 lakh) during the current year	Newly Added
Classrooms with Wi-Fi OR LAN	Newly Added

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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	19.05.03.000	2016

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	114236	33581392	2423	1080168	116659	34661560
Reference Books	17832	4534205	524	233598	18356	4767803
e-Books	3250	Nill	243	Nill	3493	Nill
Journals	200	412103	200	434639	400	846742
e-Journals	2929	1397049	2929	1314408	5858	2711457
Digital Database	1	125000	1	50000	2	175000
CD & Video	2988	Nill	21	Nill	3009	Nill
Library Automation	1	204750	1	82600	2	287350
Weeding (hard & soft)	2871	465102	1576	297864	4447	762966
Others(specify)	1	1245836	1	188800	2	1434636

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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. P.V. Ramana	Evolution of Cellular Systems	ONLINE http://pvramanahodece.blogspot.com	29/05/2018
Mr. N.Viswanath Reddy	Boiler Draught	https://sites.google.com/site/narpalaviswanath	25/08/2018
Mr. G.V.V.S.Reddy Prasad	Industrial Robotics Introduction	https://sites.google.com/view/reddyprasadgvvs/	25/08/2018
Mr. G.Dileep Kumar	Quality Management and Reliability Engineering Unit-I Notes	https://sites.google.com/site/knowledgeofdileep/	20/07/2018
Mr. S. Lakshmi Narayana	Dynamics of Machinery Notes	https://sites.google.com/site/lnsomsole03/	25/08/2018
Ms. K . Vidyavathi	Design and Analysis of Algorithm	https://youtu.be/1d6Egf8yIx8	22/04/2019
Mr. N. Papanna	Database Management System	https://youtu.be/6GxfJr- pEcg	16/04/2019
Mr. K. Siva Krishna Rao	Java Programming	https://youtu.be/QMEhQ4ckj8Y	22/06/2018
Mr. S. Sreenivasa Chakravathi	Software Testing	https://youtu.be/rit-2W_Iruo	20/03/2019
Mr. B. Sreedhar	Digital Logic Design	https://youtu.be/eJpI9U3XHjk	24/07/2018
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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	2122	1698	530	0	200	36	188	530	0
Added	50	30	970	0	0	101	10	970	0
Total	2172	1728	1500	0	200	137	198	1500	0

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

1.5 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 incurred on maintenance of physical facilites
724	414	1948	754

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

The institution strictly adheres to the norms and guidelines prescribed by AICTE in terms of establishing infrastructure. Based on this, a simplified operating policy is developed to create and maintain the infrastructure, for academic and support facilities. AICTE prescribed components of infrastructure: 1. Instructional Area: Classrooms, Tutorial Rooms, PG Class rooms, Laboratory, Work Shop, Computer Centre, Drawing Hall, Library and Reading Room and Seminar Halls 2. Administrative Area: Principal/Director room, Office, Board Room, Office all inclusive, Department Offices, Cabins for Head of the Departments, Faculty Rooms, Central Stores, Maintenance, Housekeeping, Pantry for staff/Faculty, Common Room, Examinations Control Office, Training and Placement Office 3. Amenities Area Toilets (Ladies and Gents), Boys Common Room, Girls Common Room, Cafeteria, Stationery Store and Reprography, First Aid cum Sick room, Principal 's quarter, Guest House, Sports Club/ Gymnasium, Auditorium/ Amphitheater, Boys Hostel, Girls Hostel 4. Circulation Area: Common walk ways, staircases, entrance lobby and others.

https://www.svec.education/naac-2020-21/

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	103	11731551
Financial Support from Other Sources			
a) National	Govt. Of Andhra Pradesh (Scholarships)	3281	185764281
b)International	FEE Concessions	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	18/08/2018	87	HOD, EEE, Sree Vidyanikethan

			Engineering College
Red Pencil	21/01/2019	32	HOD, ECE, Sree Vidyanikethan Engineering College
Electropics	14/07/2018	45	HOD, ECE, Sree Vidyanikethan Engineering College
If Then	13/07/2018	42	HOD, ECE, Sree Vidyanikethan Engineering College
Quarter	13/07/2018	42	HOD, ECE, Sree Vidyanikethan Engineering College
X-Tempo Speech	16/10/2018	24	HOD, CSSE, Sree Vidyanikethan Engineering College
Express Your Dreams	24/09/2018	12	HOD, CSSE, Sree Vidyanikethan Engineering College
Let us know "U" by Your CV	04/09/2018	18	HOD, CSSE, Sree Vidyanikethan Engineering College
Group Discussion	16/08/2018	26	HOD, CSSE, Sree Vidyanikethan Engineering College
Debate	19/07/2018	16	HOD, CSSE, 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
2018	Technical Training for the Class of 2020	279	Nill	164	134
2018	Awareness session on Higher Education at Abroad	Nill	279	Nill	Nill
2018	Infosys Specific Company Training	286	Nill	Nill	Nill
2018	Face-	279	Nill	Nill	Nill

2019	Campus Recruitment Training Program				
2019	Formula for success	Nill	282	Nill	Nill
2019	Salesforce Workshop	286	Nill	Nill	Nill
2019	Mock Interviews	286	Nill	Nill	Nill
2019	Advanced Technical Training on Core JAVA PYTHON	286	Nill	Nill	Nill
2019	Interactive session	Nill	286	Nill	Nill
2019	Summer training program	Nill	279	Nill	Nill
	View File				

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

Total grievances received	Number of grievances redressed	Avg. number of days for grievance redressal
2	2	4

5.2 – Student Progression

5.2.1 – Details of campus placement during the year

On campus			Off campus		
Nameof organizations visited	Number of students participated	Number of stduents placed	Nameof organizations visited	Number of students participated	Number of stduents placed
Infosys Ltd., Chennai (Through HackWithInfy - 2018) WIPRO LTD., Hyderabad SoCtronics Technologies Pvt. Ltd., Hyderabad (A consortium VEDA IIT) UXReactor India Pvt. Ltd., HYD Cognizant	7559	565	EPAM, Hyderabad NALSOFT, Hyderabad Tata Consultancy Services, Hyderabad (Off Campus) Thermal Systems (Hyderabad) Pvt. Ltd. ATOS Syntel, Pune CompIndia Infotech Pvt. Ltd.,	2338	207

			Tirupati Godavari Polymers Ltd., Hyderabad Yokogawa India Limited, Bangalore E		

Technology Solutions, Hyderabad Megha Engineering Infrastructure

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
2019	1	B.Tech	Electronics and Communication Engineering	NIT Rourkela	M.Tech Communication and Signal Processing
2019	1	B.Tech	Electronics and Communication Engineering	Indus Business Acadamy	Post Graduate Diploma in Management
2019	1	B.Tech	Electronics and Communication Engineering	IIT Kanpur	M.Tech AeroSpace Enginerring
2019	1	B.Tech	Electronics and Communication Engineering	IIT Madras ,Chennai	M.Tech Communication Systems
2019	1	B.Tech	Electronics and Communication Engineering	NITK,Surtkal	M.Tech Signal Processing and Machine Learning
2019	1	B.Tech	Electronics and Communication Engineering	BITS,Hyderabad	M.E Communication Systems
2019	1	B.Tech	Electronics and Communication Engineering	NIT Tiruchirapalli	M.Tech., Communication Systems,
2019	1	B.Tech	Electronics and Communic	NIT Warangal	M.Tech., VLSI System Design,

| 2019 | 1 | B.Tech | Electronics and Communication Engineering | NIT Tiruchirapalli | M.Tech., Communication Systems, |
| 2019 | 1 | B.Tech | Electronics and Communication Engineering | Sri Venkateswara University, Tirupati | M.Tech., Signal Processing |

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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	80
CAT	6
Civil Services	2
GMAT	1
GRE	6
Any Other	17

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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
Annual Day 2018	Institute Level	104
Freshers Day 2018	Institute Level	91
Sports Day 2018	Institute Level	162
Sports Activities	Department Level	243

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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
2018	NIL	National	Nill	Nill	00	Nil
2018	NIL	International	Nill	Nill	00	Nil
2019	NIL	National	Nill	Nill	00	Nil
2019	NIL	International	Nill	Nill	00	Nil

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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 institutions 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 activities planned. 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 this co-curricular activities the technical associations conduct periodically extracurricular activities such as sports and games, recreational activities and cultural activities. 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) 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:

17448

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

0

5.4.4 – Meetings/activities organized by Alumni Association :

1. Annual Alumni Meet – 2019 was organized on 16-Feb-2019. 2. Summary on the Alumni Contributions Contribution No. of Contributions No. of Beneficiary Lectures Talks from Domain Experts 17 3682 Internships Placements 1 5 BoS Meetings (UG) 8 - IQAC Meetings 4 - Total 28 3687

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: Training Plan and Faculty Development • Faculty members of the Department prepare their individual training plans and submit to the Head of the department. • The Head of the department collects all the individual training plans of the faculty members by considering the interests of the department and performs a Training Needs Analysis of the department. • The Principal, SVEC collects all the plans from the department and prepares a consolidated plan for the institution for the holistic development of its faculty members. Practice-2: Preparation of Institutional Budget • The departments consolidate the budget for the academic year ahead of its start by considering financial requirements for its the academic and research activities in a standard format supplied by the institution. • The Principal, SVEC consolidates all the financial requirements from the departments before approval for the implementation. Participative Management: Practice-1: Admissions Committee • Admission committee is constituted by the principal comprising of the senior faculty members and administrative heads of the institution. • The departments further nominate faculty members from their department for smooth conduct of the admission process. Practice-2: Academic Council The Academic Council of the institution is constituted comprising of the following members for effective functioning of the institution to promote participative management: • CEO/Chairman of the institution • Chair Persons / Heads of Department – 20 • Teachers representing different categories – 03 • Experts from outside College, nominated by Governing Body – 05 • Nominees of the Affiliating University – 03 • Member Secretary – 01 • Student Representatives -02

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	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. Flipped learning, participative learning, learning by problem solving are a few approaches followed to motivate students and enhance their knowledge and the skills. 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.
Industry Interaction / Collaboration	Industry advisory panels are setup in the department to facilitate industry interaction for effective academic and research activities. Statutory bodies of the institution involves 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 guidelines of APSCHE.

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	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. Modules relevant to Workflow Management and Event Resource Management were created Faculty members apply for different leaves through the software. Communication module- sending circulars, messages, notes are also supported.
Finance and Accounts	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	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		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
2018	Mr.T.Sudheer kumar	To attend the Symposium EPICS in India-Annual Symposium co-sponsered by IUCEE and IEEE at Hyderabad during 12,07.18 to 14.07.18	IUCEE	7800
2018	Mr. G. C. Madhu	Autodesk Thought Leadership Meet 2018 ICT Academy-bridge 2018 from 25.10.18 to 26.10.18	ICT Academy	8873
2018	Dr. V. R. Anitha	Two day Workshop on Leadership Opportunities for Women 2018, Efftronics Systems,	Efftronics Systems, Vijayawada	3642

		Vijayawada from 27.10.18 to 28.10.18		
2018	Mr. T. Ravi Kumar Naidu	FDP on Machine Learning in Speech Processing at NITW, Warangal from 12.11.18 to 17.11.18.	NITW, Warangal	4875
2018	Dr.Padmaja	Inaugaral function of AICTE head-quarters on 21.11.18	AICTE	25000
2018	Dr. N. Vithyalakshmi	6 day FDP on Advanced CMOS VLSI, NITW, Warangal from 03.12.18 to 08.12.18	NITW, Warangal	6500
2018	Dr. P. Geetha	GIAN 06 day Course on Multifunctional Advanced Nanomaterials and their Applications, Mangalore University, Man galagangothri from 03.12.18 to 08.12.18	Mangalore University, Man galagangothri	7500
2018	Dr. V. R. Anitha	FDP on Metamaterial Antennas and Optimization Techniques, NITW, Warangal from 03.12.18 to 12.12.18	NITW, Warangal	9682
2018	Ms. K. Praveena	FDP on Computer Vision and Image Processing, SRIT Anantapur from 10.12.18 to 15.12.18	SRIT Anantapur	5500
2018	Dr. P. Venkat Ramana	QIP short term course on Optical and Microwave Remote Sensing Techniques and	IIT Roorkee	9800

			its Applications, IIT Roorkee from 24.12.18 to 28.12.18			
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6.3.2 – Number of professional development / administrative training programmes organized by the Colleges for teaching and non teaching staff during the year

Year	Title of the professional development programme organised for teaching staff	Title of the administrative training programme organised for non-teaching staff	From date	To Date	Number of participants (Teaching staff)	Number of participants (non-teaching staff)
2018	Two days FDP on "3D printing and scanning multidisciplinary applications and research perspectives"	NA	26/11/2018	27/11/2018	35	Nill
2018	NA	Two days STP on"Computer Aided Metrology" for lab technicians	29/11/2018	29/11/2018	Nill	39
2018	Three Days FDP on Object Detection and Recognition use Deep Learning Techniques	NA	20/12/2018	22/12/2018	62	Nill
2019	Device Fabrication using Thermal Evoparation Method	NA	26/04/2019	26/04/2019	40	Nill
2019	Analog and Mixed VLSI Design using Mentor	NA	14/02/2019	16/02/2019	40	Nill

	Graphics Tools					
2019	India First Leadership Talk I Episode	NA	08/01/2019	08/01/2019	40	Nill
2019	India First Leadership Talk II Episode	NA	24/01/2019	24/01/2019	40	Nill
2018	Workshop on "Article P reparation Using Latex"	NA	08/08/2018	11/08/2018	60	Nill
2018	Workshop on "Prospe ctive Research in Power E lectronics and Drives"	NA	15/12/2018	15/12/2018	80	Nill
2019	Workshop on "Smart Grid Simulation with Distr ibution Generation and Electric Vehicle Load Uncer tainty"	NA	07/02/2019	08/02/2019	60	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
Refresher Course on, "Embedded Systems Laboratory"	7	19/06/2019	21/06/2019	3
Refresher Course on, "Antennas and Microwave	4	19/06/2019	21/06/2019	3

Engineering Laboratory"				
One Day Workshop On, "Device Fabrication Using Thermal Evaporation Method"	12	26/04/2019	26/04/2019	1
Refresher Course on, "Analog and Mixed VLSI Design using Mentor Graphics Tools"	9	14/02/2019	16/02/2019	3
Refresher Course on, "Analog Communications Laboratory"	8	06/12/2018	14/12/2018	9
Workshop on, "IPR for Students and Faculty Members", Organized by Institute Innovation Council (IIC), Sree Vidyanikethan Engineering College and MHRD's Innovation Cell	261	10/12/2018	10/12/2018	1
29th IIRS Outreach Programme on, "Hyperspectral Remote Sensing and its Applications"	38	19/02/2018	13/03/2018	25
FDP on, MATLAB.Signal Processing with Simulink	20	07/02/2018	09/02/2018	3
FDP on, Antenna Design and Simulation using FEKO – EM Simulation Tool	40	19/01/2019	20/01/2019	2
Twenty.eight IIRS Outreach Programme On	39	08/01/2018	12/01/2018	5

"Close Range Photogrammetry and Terrestrial Laser Scanning"	

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

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
372	372	294	294

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
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 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 International School. Salary advances for staff members.	Group Insurance scheme is provided for non-teaching staff Study leaves 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

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 2018-19.

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	0

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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 Agency	Yes	Internal Audit Team
Administrative	Yes	External Agency	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. 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 day Staff Training Program on" Computer Aided Metrology" for lab technicians was organized by the Department of Mechanical Engineering during 29.11.2018 to 30.11.2018. 2. A Five-Day Staff Training Program on "Oracle SQL and PL/SQL" was organized by the Department of Information Technology during 19.12.2018 to 23.12.2018. 4. Staff Development Training Program on "IT Essentials Training Program" was organized by the Department of Computer Science and Systems Engineering on 18.05.2019.

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

? Evolutionary methods for Mapping of Program Outcomes and Course outcomes Blooms Taxonomy in Student Evaluation As a part of enhancements to OBE practices, the institution has formulated a correlation and probability-based method for mapping of Course outcomes to Program outcomes. All the courses offered in the institution under different programs are mapped accordingly. Student evaluation has improved by the usage of blooms level in question papers provided to the students during Internal and Semester end examinations. ? Entrepreneurship development activities The institute shall take-up the activities to empower students with entrepreneurship skills among students and in this regard, a faculty empowerment program is planned to be held in collocation with Coloumbia Business School, USA. This will empower faculty members to skill students further towards entrepreneurship. ? NBA Accreditation

of all UG programs The institution has applied for accreditation of UG programs in the Department of Computer Science and Systems Engineering, Civil Engineering, Mechanical Engineering and Electrical and Electronics Engineering. Similarly other UG programs like Computer Science and Engineering, Electronics and Communication Engineering and Information Technology to be accredited by NBA post submission of compliance report during 2019-20. ? Research mentoring for submission of research proposals Research mentors are appointed to guide and mentor young research aspiring faculty members to submit effective proposals to the funding agencies.

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
2018	Parents' Meet	06/10/2018	06/10/2018	06/10/2018	250
2018	AICTE-Model Induction Program to Freshers' (I B.Tech Students)	02/07/2018	02/07/2018	15/07/2018	1300
2018	Interaction with Prof. K .N.Satyanara yana, Director, IIT, Tirupati (Explore Possible academic col laborations)	20/10/2018	20/10/2018	20/10/2018	20
2019	One Day Workshop on OBE curriculum Design by Dr .S.Viswanadh a Raju, Vice Principal, JNTUH, Karimnagar	28/03/2019	28/03/2019	28/03/2019	50
2019	One Week Faculty Development Program on M	21/01/2019	21/01/2019	25/01/2019	35

	ulti-Disciplinary Research: Barriers and Opportunities with Computing				
2019	Interaction with Professor Abdul K M Azad, Northern Illinois University, USA for Possible academic and research collaborations	07/02/2019	07/02/2019	07/02/2019	30
2019	RECALL- Alumni Meet	16/02/2019	16/02/2019	16/02/2019	200
2019	Two Day Research Expo and Workshop on Data Science	21/02/2019	21/02/2019	22/02/2019	200
2019	A Guest Lecture on Balance for Better by Ms.P.Devi, Social Activitist, UNICEF	07/03/2019	07/03/2019	07/03/2019	300
2019	Professional Body- American Society of Civil Engineers for student professional upgradation	30/04/2019	30/04/2019	30/04/2019	400
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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
Gender Equality for Everybody	**28/02/2019**	**28/02/2019**	**20**	**33**
An Expert Talk on "Analyzing Traditional Gender Roles in The Workplace"	**06/09/2018**	**06/09/2018**	**40**	**35**
A Workshop on "Poverty Measurement: Men Vs Women"	**12/09/2018**	**12/09/2018**	**39**	**46**
A Pep talk on "Be Bold for Change"	**14/09/2018**	**14/09/2018**	**32**	**33**
Industry Expert Lecture on "Gender Equity"	**15/09/2018**	**15/09/2018**	**76**	**151**
Gender Equality and Women Empowerment	**10/12/2018**	**10/12/2018**	**26**	**44**
An Expert Talk on Gender Awareness-Equality Issues	**10/10/2018**	**10/10/2018**	**40**	**50**
Guest Talk on "Gender Equality and Women Empowerment"	**10/12/2018**	**10/12/2018**	**44**	**26**
An Expert Talk on "Gender Equity on Human Values"	**15/02/2019**	**15/02/2019**	**45**	**15**
A Guest Lecture on "Empowering Women Through Gender Sensitization"	**16/02/2019**	**16/02/2019**	**54**	**89**
An Expert lecture on "Women Protection Law"	**20/02/2019**	**20/02/2019**	**25**	**60**
Lecture on "Gender Equality for Everybody, Fight for	**28/02/2019**	**28/02/2019**	**33**	**20**

Better Society"				
An Expert Talk on "Women Empowerment "	08/03/2019	08/03/2019	61	Nill
An awareness programme on "Personal Hygiene"	08/03/2019	08/03/2019	64	Nill
Workshop on "Work Life Balance"	08/03/2019	08/03/2019	22	27
Seminar On "Gender Equity - Societal Benefits"	14/03/2019	14/03/2019	21	15
Work Life Balance	08/03/2019	08/03/2019	22	27
Poverty Measurement: Men Vs Women	12/09/2018	12/09/2018	39	46
Expert talk on "Gender Equity on Human Values"	15/02/2019	15/02/2019	40	20
Seminar on "Analyzing Traditional Gender Roles in The Workplace Data Science"	06/09/2018	06/09/2018	55	25
A Guest Lecture on "Empowering Women Through Gender Sensitization"	16/02/2019	16/02/2019	54	89
Industry Expert Lecture on "Gender Equity"	15/09/2018	15/09/2018	76	151
Gender Awareness- Equality Issues	10/10/2018	10/10/2018	90	Nill
Women Empowerment	08/03/2019	08/03/2019	Nill	61
Lecture on "Promotion of Gender Equity in Our Society"	08/03/2019	08/03/2019	109	Nill
A pep talk on "Be bold for change"	14/09/2018	14/09/2018	45	Nill

Awareness program on "Personal Hygiene"	08/03/2019	08/03/2019	44	Nill
An Expert Lecture on "Women Protection Law"	20/02/2019	20/02/2019	57	121

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
Provision for lift	Yes	12
Physical facilities	Yes	12
Ramp/Rails	Yes	12
Braille Software/facilities	Yes	1
Rest Rooms	Yes	12
Scribes for examination	Yes	1
Special skill development for differently abled students	Yes	12

7.1.4 – Inclusion and Situatedness

Year	Number of initiatives to address locational advantages and disadvantages	Number of initiatives taken to engage with and contribute to local community	Date	Duration	Name of initiative	Issues addressed	Number of participating students and staff
2019	1	4	08/03/2019	7	Out reach activity	Zero Budget natural f ormining, Health and Hygenity, Status of Girl child in socity, E nvironmen t Enrichm ent and c	9

						onservati on	
2019	1	4	08/03/2 019	7	Out reach activity	Zero Budget natural f ormining, Health and Hygenity, Status of Girl child in socity, E nvironmen t Enrichm ent and c onservati on	50
2018	1	1	20/12/2 018	2	Futuris tic Oppor tunities of Digital Literacy	Digital Literacy	15
2019	1	1	24/01/2 019	2	Inspiring Minds	Motivat ion classes to IX and X Standard Students	15
2019	1	1	31/12/2 018	3	Social Awareness	Awareness towards the Societal issues	15
2019	1	1	01/08/2 018	1	Digital literacy, Kotala Go vernment school, C handragir i.	Digital literacy	60
2019	1	1	04/11/2 018	1	General Election Web Casting	Webcast ing on Elections	33
2019	3	3	04/02/2 019	12	Outreach programs on Digital and Financial	Digital and Financial Awareness for Govt. School children	30

| 2019 | 1 | 1 | 07/03/2019 | 1 | MoU with Smart Nuts and Bolts, Tirupati | Initiation of Training and Consultancy activities | 32 |
| 2019 | 1 | 1 | 09/04/2019 | 1 | Awareness programme on EVM and VV PAT | Usage of EVM | 45 |

literacy programs in surrounding villages (and Women)

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7.1.5 – Human Values and Professional Ethics

Title	Date of publication	Follow up(max 100 words)
Code of Conduct for Students	02/07/2018	Students follow dress code as suggested by the institution and attend classwork.
Student Etiquette – Values and Professional Ethics	02/07/2018	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 Senior functionaries	02/07/2018	Roles and responsibilities for all senior functionalities of the institution have been appropriately defined.
Service Rules Code of Conduct	02/07/2018	Faculty members adhering to the service rules and code of conduct set by the institution
Code of Ethics for Plagiarism in Research	02/07/2018	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
A Guest lecture on Balance for Better	07/03/2019	07/03/2019	150

JAM on gender equity	04/01/2019	04/01/2019	80
A Guest lecture on Trade for her	08/11/2018	08/11/2018	85
DEBATE	26/02/2019	26/02/2019	22
Guest Lecture on Corporate Ethics	16/03/2019	16/03/2019	200
A Guest lecture on Women Protection Law	20/02/2019	20/02/2019	52
Debate on "Leadership Skills for Civil Engineers"	31/08/2018	31/08/2018	21
Rise your voice for girls	07/03/2019	07/03/2019	6
Rise your voice for boys	07/03/2019	07/03/2019	11
Poster Presentation on gender equity for girls	08/03/2019	08/03/2019	8
[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

Upload details of two best practices successfully implemented by the institution as per NAAC format in your institution website, provide the link 1. Title of the Practice: Coding Club@SVEC Objectives of the Practice: • Motivate students to learn and practice programming in their areas of interest for improved placement potential. • To acquire the skill of solving problems by considering different required points of view. • Imbibe the ability among students to work as individual and in groups during projects. The Context: As per survey by AICTE, there is a large gap between the skill-set acquired by the students and the requirements of industry. To bridge this gap it is essential to ensure programming competency among students and to enhance the employability skills of the students for placement in software industry. In this context students are required to acquire higher level programming skills to compete with the rest to be successful. With a large diversity in the domain of programming like programming paradigms, platforms and practices and much more evolutionary, there is a need to group like-minded aspirants to enhance their coding skills accordingly. This provides the required platform for the student to choose a domain of his choice and work on it accordingly. This also provides a platform for the student to understand the skills required in the domain and the intricacies in problem solving approaches. Implementation Plan: • The Heads of the departments shall nominate a Coding club coordinator among the faculty members of Computer Science branches. • The Coordinator identifies the expert teachers among the faculty of Computer Science branches who are willing to guide the students in their platforms of expertise. • The Coordinator helps in identifying the different broad areas where faculty are able to train or guide the students and form a few groups such that every group has a Member Secretary and members. • These Coding club representatives promote the importance and activities of the clubs to all the students (Computer Science batch students to start-with) and enroll them. • The student Members Secretaries are nominated by the HOD of the department. • Groups formulate an individual plan or activities for the clubs within a common framework of the coding club guided by the Coordinator of the Clubs. • Dynamically depending upon the type of events students shall group for different events. • The faculty representatives cohesively work with student groups and promote the evolutionary coding practices. • The Students are encouraged to participate in Hackathons, Codeathons organized within and outside of the institutions. Challenges and Resources: Challenges: 1. Understanding the student interests and motivating them 2. Embedding the Club activities in the curriculum Resources Required: 1. Provision of lab slots for students when required based on student enrolment. 2. Identification of good internal and external experts for mentoring and training students. 3. Strong internal teams and cohesive groups required to handle training and associated activities 4. Annual budgetary requirement for remuneration of external experts conducting events like Hackathons Codeathons. Expected Outcomes: • Improved programming skills among the students in their programming domains or areas of interest. • For improved placement among the students in software companies. • The Students participation in events like Codeathons and Hackathons. • Taking up innovative projects for implementation. Notes: Programming club shall promote the best coding practices among the students and enhances their employability. This suffices the needs of the students and motivates them to excel in programming.

2. Title of the Practice: Library Book Purchase through Book Fair Objectives of the Practice: To provide teachers with direct access to current spectrum of books and other learning content through in-house book exhibition from leading publishers The Context: Conducting book fair on campus can be implemented as a top up model for procurement of new editions, new titles and books for professional electives and advanced industry oriented courses. For remaining books pertaining to sciences, humanities and other books, general procurement may be adopted as usual. Implementation Plan: • The Head of the Department and Chairman, Board of studies of each department shall conduct a review and audit of the existing books available in the Library to assess the future requirement. A report has to be submitted to the Head of the Institution in this regard. • Post approval of budget proposal every year, in the first fortnight of April the publishers/distributors can be invited on campus for a two day fair • The Departments/Institutions and Librarian separately has to identify the best of publishers/distributors and submit it to the management for approval. • The Departments/Institutions after receiving the list from the Librarian shall prepare a consolidated list of publishers/ distributors and submit it to the management for approval • The Convener Library Advisory Committee and Librarian shall send invitations to the final approved list of publishers for the book exhibition on campus • The event is organized on lean time to encourage almost all the teachers to seek benefit out of this. • The Department shall create a list of books thoroughly seen and recommended by the faculty • Since the publishers/distributors motivation is to have some commitment out of their visit, the HoD/BoS of Departments may be permitted to prepare a list of good and contemporary books for small agreeable and permitted amount and consolidated order can be released by the Trust initially for a small amount on the spot itself (preferably on Day 2). • Later for remaining bigger orders - rate contract, discount, delivery mode and freebies may be finalized in a fortnight by the Trust. • Incidental expenses such as facilities for fair and local hospitality may be borne from the Trust. • This has to be conducted and showcased as a major event and as a best practice. Challenges and Resources: Challenges: Identifying and inviting the leading publishers on a single platform at SVEC. Resources Required: Provision of venue for the publishers/distributors Expected Outcomes: • Faculty shall get direct exposure to new books and learning content • Establishing a strong network of publishers/distributors Notes: Direct access and exposure for faculty to go through books personally and suggest them to Central library instead of browsing through online platforms and other sources.

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/naac-2020-21/

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

INDUSTRY INSTITUTE INTERACTION CELL • Sree Vidyanikethan Engineering College has attained Platinum status (Highest category) in the AICTE-CII survey 2018. • 16 Expert Lectures were organized by the institution in collaboration with Industry during the academic year • 14 FDPs/Seminars/SDPs were organized for faculty members and staff in association with experts from Industry • 13 Industry visits were undertaken by students during the current academic year • 119 students were facilitated with Internships-In-Plant traning by Industry interaction • 03 MoUs were signed by the institution during the academic year, which includes: 1. Sibar Auto parts Private Limited 10-10-2018 2. Maccaferri Environmental Solutions Private Limited 14-07-2018 3. BSPCL infrastructure Private Limited 14-07-2018

Provide the weblink of the institution
https://www.svec.education/naac-2020-21/

8.Future Plans of Actions for Next Academic Year

 The following are the Plans for action during the next academic year(2019-20): • Collaborations with International Universities: The institution has planned to sign MoUs with Queens University, Belfast, UK and Asian Institute of Technology, Thailand and New Jersey City University, USA. • Institution and departments to Organize student conventions in association with professional bodies to create awareness on latest trends in technology. • To Organize workshops on Effective Teaching in collaboration with IUCEE International Engineering Educator Certification Program for identified faculty members in phase-wise manner. • Launch IEEE chapter on Women in Engineering (WIE) Affinity Group. • NBA accreditation of all eligible UG programs offered by the institution • Implement AICTE model-based curriculum-2018.