SREE VIDYANIKETHAN Ingineering College (Autonomous)

SREE VIDYANIKETHAN ENGINEERING COLLEGE

(RUTONOMOUS)

Sree Sainath Nagar, Tirupati - 517102

3.1.1. The institution Research facilities are frequently updated and there is well defined policy for promotion of research which is uploaded on the institutional website and implemented

Recognizing the significance of research, SVEC has been providing the required facilities to promote the research culture on campus. The institution has been promoting Multidisciplinary research by constituting the Special interest Groups or research clusters, nominating the students, faculty, and research scholars as members. The institution has established twelve research centres in the areas of MEMS, Renewable energy, Data Analytics, Cyber security, Signal Micromachining, Geotechnical Engineering, Embedded systems, Water and Environmental processing, VLSI & Engineering and intelligent computing. With the support of the management, government, and a few industry collaborations. All the members in the research clusters have been publishing articles in peer-reviewed journals which are indexed in quality databases.

The institution has recognized research centres in three Departments ECE, EEE, and CSE to offer full-time Ph.D. through the affiliated university. The number of faculty recognized as Ph.D. guides compared to previous assessment period by various universities has been increased for this assessment period.

The number of articles published in quality journals has been increasing year by year. The approach in publishing research articles has been changed over the years by preferring the databases such as Scopus and Web of science. Plagiarism has been taken care of while publishing articles and proposals. Licensed plagiarism software has been purchased to assist the students,

faculty, and research scholars in this regard. Students and faculty are encouraged to attend reputed conferences to present their research findings. A good number of research proposals for funding have been submitted in recent years. The institution is committed to supporting a few proposals by providing an internal seed fund. Research mentors have been appointed who have been continuously interacting with the faculty who are pursuing research activities.

Faculty have been encouraged by providing incentives for their progress in research activities. The number of patents filed has been increasing year by year. A dedicated facility called the Intellectual property rights cell (IPR Cell) has been established to look after these activities. A well-defined Research and IPR policy has been designed to promote the research activities on campus. It has been hoisted on the institutional website for the quick reference of relevant stakeholders.

Supporting evidences for our justification is attached herewith for your kind perusal.

(B.M. SATISH)
PRINCIPAL

RESEARCH POLICY



SREE VIDYANIKETHAN ENGINEERING COLLEGE

(AUTONOMOUS)

(Approved by AICTE, Accredited by NBA, New Delhi and NAAC, Bengaluru Affiliated to JNTUA, Anantapuramu) Sree Sainath Nagar, A. Rangampet, Chandragiri Mandal, Chittoor Dist., Andhra Pradesh – 517 102

www.vidyanikethan.edu



Research Policy

1. INTRODUCTION:

Academic institutions have been the bedrock for research for a very long time. At these places the good teaching-learning and research go hand-in-hand. They are the two sides of the same coin. It is evident that for effective teaching, research is essential. The learning outcomes of the students who undergo research based teaching are better and leading to high rate of progression to higher education, research and career. The institution though predominantly a teaching-learning institution has been considering research as one of its prime growth verticals. Thus a conscious effort is made to prepare an objective policy to promote, monitor and evaluate research in the institution.

PURPOSE

The envisaged policy shall serve as a guiding philosophy to organize research activities at the Institution. Also this helps to integrate and streamline the activities of research across the departments and units of the institution.

SCOPE

It serves as guideline for all research related activities undertaken across all the departments and units of the Institution.

4. OBJECTIVES

- To provide an ecosystem for research through framework and guidelines
- To create systems for career opportunities for pioneers in research from industry and academia
- To facilitate faculty and researchers through established systems, processes and facilities

- To ensure quality of research by producing publications in peer reviewed and refereed journals and intellectual property rights.
- To promote applied research with potential for commercialization.
- To facilitate Establishment of Research Centers with potential for Excellence in collaboration with premiere institutions and Industry.
- To create avenues for entering into interdisciplinary collaborations and partnerships nationally and internationally.

5. IMPLEMENTATION OF POLICY

The implementation and updating of Research Policy shall be carried out by the Principal and research Committee of the college upon seeking approval by the governing Body.

6. POLICY AND GUIDELINES

> Conduct of Research:

Faculty members of the Departments and research centers are expected to undertake research, leading to quality publications, presentations in National/International conferences of repute, generation of Intellectual property with potential for commercialization, socially useful outcome and other similar research activity.

> Research contributions

Research output of the members of the faculty shall be considered as one of the core performance indicators for faculty recruitment and promotion besides their other academic accomplishments.



> Recruitment and Promotion

Faculty members and researchers who made significant contributions to research shall have large scope for promotion. The quality of research may be assessed on the metrics devised for research and which will be revised from time-to-time as appropriate.

> Research Management

The research activities of the Institution shall be planned, monitored and evaluated by Dean, Research. Research Mentoring Committee and shall be responsible for overall functioning of research activities within the Institution. Each department/centre's research activities shall be coordinated by HOD from each Department/Unit and report to the Dean, Research.

> Research Ethics:

The members of faculty, research scholars /students shall adhere to highest ethical standards of conduct given from time to time, for carrying out research. Disciplinary action may be initiated, if found guilty, against such individual/group.

Resources for research support

The institution shall provide best research facilities such as physical infrastructure, equipment, software, computing facilities, internet and support staff for conducting quality research by students and faculty.

> Student Research

To enhance the research attributes among the students and to provide better progression in career and higher education, undergraduate/postgraduate students are required to pursue and to

research activities through curricular projects and extracurricular research assignments. Also their research outcomes are encouraged to be published in peer reviewed journals.

7. QUALITY OF PUBLICATIONS

The research undertaken by the institution shall be beneficial to the society and contribute to the growth of the nation through scientific advancement and economic development. Hence the research outcomes as publications shall be of good standard which shall be helpful for the other scientific community besides value addition for the individual and institution.

8. ETHICS IN RESEARCH

The Significance of Research Ethics

- > To promote the aims of research, such as expanding knowledge.
- > To support the values required for collaborative work, such as mutual respect and fairness which is essential because scientific research depends on collaboration between researchers and groups.
- ➤ To make researchers accountable for their actions as many researchers are supported by public money, and regulations on conflicts of interest, misconduct, and research involving humans or animals are necessary to ensure that money is spent appropriately.
- > To ensure that the public can trust research to support and fund research.
- > To support important social and moral values.



Ethics to be followed by the researchers:

- Honesty and Integrity: To conduct and report research honestly
- Objectivity: To avoid bias in any aspect of research, including design, data analysis, interpretation, and peer review
- > Carefulness: Review work carefully and critically to ensure that your results are credible
- ▶ Openness: Prepared to share data results, any new tools that are developed, to further knowledge and advance science. Be open to criticism and new ideas.
- Respect for Intellectual Property: Shall never plagiarize, or copy, other people's work and try to pass it off as own; respect copyrights and patents, together with other forms of intellectual property, and always acknowledge contributions to one's own research
- Confidentiality: Shall respect anything that has been provided in confidence and follow guidelines on protection of sensitive information such as patient records.
- Responsibility in Publishing: Shall publish to advance to state of research and knowledge, and not just to advance your career and shall not publish anything that is not new, or that duplicates someone else's work.
- ➤ **Legal Issues:** shall always be aware of laws and regulations that govern the work, and be sure to conform to them
- Animal Care: Shall show respect for the animals in use and make sure that they are properly cared for
- Protection to Humans: Shall make sure to reduce any possible harm to the minimum number of humans and maximize the benefits both to participants and other people.

9. Formation of Research Mentoring Committee:

To augment the existing research and developmental activities in the college, experts from various fields were appointed to monitor the progress of the institution

Activities

- > To conduct orientation programs for faculty towards Research, Consultancy and Innovation.
- > To apprise faculty on areas of research in various areas of Engineering & Technology.
- > To identify various funding agencies for applying research projects (both public & private)
- > To create models and mechanisms for joint R & D with industry.
- > To design modern facilities for Research, Consultancy and Innovation.
- > To plan and procure Equipment, Software, Journals for Research.
- > To create Department Research Centers and Technology Incubation Centers to conduct Doctoral Programs.
- > To encourage graduate & post-graduate students to undertake quality projects.
- > To enter into MoUs with national Research Labs and other Institutions.

10. Institutional Strategies for research:

- > Recruit teachers with a flair and competence in research.
- > Equip laboratories with relevant modern equipment, software and library resources to suit research demands.
- > Forge into alliances with prominent research groups for collaborative work.
- > Apply for external research funding from private and public agencies in focused frontier areas.
- > Create inter-disciplinary research groups for prospective applied research.
- > Approach industry for setting-up of research laboratories on campus for the benefit of faculty and students.

11. RESEARCH ADVISORY COMMITTEES:

Department	Thrust area of research	
EEE	Power Quality enhancement, Integration of renewable energy, Power System Control and stability	
ECE	Communication Systems, Antennas, VLSI, Atmospheric Signal Processing, MEMS	
CSE	Big data, Information Security, Computer Networks	
EIE	Industry Automation, Biomedical Signal Processing	
CSSE	Dataware Housing and Data Mining	
Civil	Water Management, Retro fitting and Stability of soil	
MECH	CAD/CAM, MEMS	

New thrust areas can be established as and when needed

12. RESEARCH CLUSTERS:

To augment Research culture, Research Clusters shall be formed among all the departments by involving UG and PG students to participate in the clusters. (Present Clusters)

S. No.	Name of the Cluster	Focus Areas	Department
1.	MEMS	Micro CantileversBio Sensors	ECE
		Energy Harvesting	(Inter-
		Carbon Nanotubes	disciplinary)
		Gas Sensors	
		RF MEMS	
2.	VLSI &	System-on-chip Design	
	Embedded	Reconfigurable Computing	
	Systems	 Intelligence Systems for on board Data 	ECE
		Processing & Control	,
		Automotive Systems	
		Smart Cities, Medical & Military Applications	
3.	Signal Processing	Digital Image Processing	
		Radar and Lidar Signal Processing	ECE
		Bio-signal Processing	ECE
		Speech Signal Processing	MANIKETH

S. No.	Name of the Cluster	Focus Areas	Department
4.	Communications	 Cognitive radio, Network protocol 5G communication, Big data OFDM and 4G communication Efficient communication for telemedicine 	ECE
5.	Energy Systems	 Solar, Wind & PV Integration. Energy storage and management systems. Energy Harvesting; Renewable / Alternate energy Solar Thermal Energy Technology and Energy Material Development 	EEE
6.	Power Systems	 Power Quality Voltage stability, SVC compensation and Soft Computing techniques applied to power systems Contingency analysis, state estimation and optimal operation. Power Electronics applied to power systems Smart Grid and Micro Grid 	EEE
7.	Computer Vision	Video AnalyticsImage and Video retrieval Process	Computer Science
8.	Software Development	 Software Engineering Software Testing Optimization Techniques Software Application 	Computer Science
9.	Network Security	 Improvement of Quality of Service (QoS) Analysis of cyber security issues Protection method of Cyber security Forensics analysis on Cyber attacks 	Computer Science
10.	Data Mining	 Data Analytics Machine Learning Opinion Mining Web Mining 	Computer Science
11.	Manufacturing	 Micromachining Tool Design Additive Manufacturing Development of Metal Matrix composites Optimization Techniques Industrial automation Mechatronics Robotics 	ME

S. No.	Name of the Cluster	Focus Areas	Department
12.	Water and Environment	 Water Resources Engineering & Management Environmental Engineering 	CE
		Water TreatmentRemote sensing and GIS	
13.	Geotechnical and Transportation	Geotechnical EngineeringTransportation Engineering	CE
14.	Biomedical Instrumentation	 Image Processing Signal Processing Bio-Signal/Image Processing Rehabilitation Engineering 	EIE

13. INCENTIVES FOR RESEARCH

Incentives for Research Projects

- For Projects with provision for Institutional overhead charges Research Projects where there is a provision for institutional overhead charges, the Principal Investigator of the Project will be given an incentive equivalent to 50% of overhead charges by the Management.
- For Projects without provision for Institutional overhead charges Research Projects where there is no provision for institutional overhead charges, the Principal Investigator of the Project will be given one time incentive at the rate of 2% of Project amount sanctioned.

Incentives for Research Publication in Journals:

1. The journals published by the faculty must be indexed at least in any one of the following

- Web of Science (Engineering and Science)
- Thomson Reuters (Engg. and Science)
- Scopus (covers all journals except Medical)
- EMBASE (covers biomedical journals)
- EBSCO (Management database)
- DOAJ (directory of open access journals)



- Expanded Academic ASAP (cengage)
- Index Copernicus (publishers of scientific journals)
- Open J Gate (covers all journals)
- Pro Quest (covers all journals)
- Wiley International (Engineering and sciences)
- PubMed (Medical journals database)

2. The papers shall be selected based on the following criteria

- · Popularity of the Publisher
- · Quality of Members of Review committee
- Impact Factor
- Citation index of the journal
- 3. The selection of the paper is purely based on the merit and the final decision lies with the selection committee.
- 4. Papers published between 1st July to 30th June of each academic year will be considered for incentive
- 5. The committee shall take suggestions from Professors of national premiere institutions before finalizing the papers for grant of incentives.
- The incentive may be presented on Teachers day/Science day/Engineers day every year.
- 7. The first and second authors only shall be considered for incentive. The first author will get Rs. 6000 and second author will get Rs. 4000 for each paper.
- 8. If any faculty publishes more than one paper, the incentive for every paper will be considered as mentioned above.
- 9. If the first author(s) is a student (research scholar/PG student/UG student belonging to SVEI), the student shall be given Rs. 2000 and the supervisor shall get Rs. 4000.
- If faculty (single author) publishes two papers in an academic year,
 the incentive will be Rs. 12000, for 3 papers, it is Rs. 18000, for 4

papers, it is Rs. 24000 and 5 and more papers, Rupees one lakh or one month salary shall be given as incentive, whichever is higher.

11. If any faculty is awarded with a patent, he/she will be given Rs. 50,000 as an incentive.

14. RESEARCH SCHOLARS:

The regular scholars of SVEC will be given a stipend of Rs. 10,000 per month subject to the following conditions.

- The student should sign every day in the attendance register.
 He/she should report to institution on or before 9AM on all working days
- 2. On Duty leave will be sanctioned on the recommendations of the research supervisor.
- 3. The research scholar should take a minimum work load of 8 hours per week.
- 4. The stipend will be sanctioned based on the recommendation of the supervisor every month.
- 5. The stipend will be given for a period of maximum 3 years.
- 6. It is advised that the supervisor should apply for a project and get it sanctioned so that he /she can utilize project money as stipend if there is provision for JRF/project associate in the project.
- 7. The research scholar should submit the details of PAN, bank a/c and Aadhaar to the institution.

15. PERIODIC REVIEW OF RESEARCH OUTPUT

Periodic review of research output shall be carried out by each department and provide such information to the principal periodically for assessment and required corrective actions, if any.



SREE VIDYANIKETHAN ENGINEERING COLLEGE

(AUTONOMOUS)

Sree Sainath Nagar, Tirupati - 517 102, A.P.

3rd Meeting of the Governing Body held on 23rd June 2012
(as Autonomous College with effect from 2010-2011)

MINUTES

Members Present:

1	Padma Shri Dr. M. Mohan Babu, Chairman, Sree Vidyanikethan Educational Trust	Chairman
2	Sri M. Vishnu Vardhan Babu, Chief Executive Officer, Sree Vidyanikethan Educational Trust	Member
3	Sri M. Venkatadri Naidu, Treasurer, Sree Vidyanikethan Educational Trust	Member
4	Sri M. Krishna, Member, Sree Vidyanikethan Educational Trust	Member
5	Sri P. Janardhan Reddy, Member, Sree Vidyanikethan Educational Trust	Member
6	Padma Bhushan Dr.K.I.Vara Prasad Reddy, Managing Director, Shantha Biotechnics (P) Ltd., Hyderabad	Member
7	Sh. Narain Singh, Former Joint Secretary, University Grants Commission, New Delhi	Member
8	Dr. M. Vijaya Kumar, Professor of EEE, JNTU College of Engineering, Anantapur	Member
9	Dr. V.V. Rama Prasad, Vice- Principal, Sree Vidyanikethan Engineering College	Member
10	Dr. P. Ramana Reddy Dean (PG Courses & Research)	Member
11	Dr.P.C. Krishnamachary, Principal, Sree Vidyanikethan Engineering College	Member Secretary

1.0 Action Taken Report on Minutes of Governing Body Meeting held on 1st October 2011

Principal apprised the members that the 2nd meeting of the Governing Body was held on 01-10-2011. In accordance with the resolutions made,

- √ Academic Council
- ✓ Boards of Studies
- √ Finance Committee, and
- ✓ Other Committees

TIRUPAT

were reconstituted and meetings convened.

SREE VIDYANIKETHAN ENGINEERING COLLEGE
(AUTONOMOUS)

Sree Sainath Nagar, A. RANGAMPE Page 1 of 7 Chittoor (Dist.) - 517 102, A.P., INDIA.

Members resolved that the Action Taken Report be recorded.

2.0 Report of the Principal for the academic year 2011- 2012

Members congratulated the Management and the Principal on achieving almost full admissions for all the sanctioned intake in B.Tech, M.Tech, MCA & Diploma courses for the academic year 2011- 2012.

Members appreciated the efforts of the Management and the Principal in getting Extension of approval for the existing programmes, increase in intake (UG & PG) and additional Diploma courses for the year 2012-2013 from AICTE, New Delhi.

Members congratulated the students (2007-2011 batch) for securing five (5) University Ranks among all the affiliated colleges of JNTUA Anantapur.

Members appreciated the institution of Gold Medals by philanthropists which are presented to the class toppers of out-going batch each year on College Annual Day.

Members congratulated Ms. M. Sai Lakshmi, a student of Computer Science and Systems Engineering (2011-12) on getting "TCS-100 Best: Student Award for Academic Excellence".

Members approved the continuation of the existing arrangements for conducting/ organizing various student activities:

- Co-Curricular Activities through Technical Associations
- Co-Curricular Activities through Professional Chapters
- Technical Symposium, ELOQUENCE
- Arranging Seminars, Expert Lectures, Guest Lectures and Add-on courses
- Conducting Extra-Curricular Activities
 - NSS
 - o Sports
 - o Games
- Organizing Special Events
 - o Teachers' Day

Sports Day

- Engineers' Day
- o Women's Day
- o Freshers' Day
- o Alumni Meet

PRINCIPAL

1855 VIDYARINETH IN SIGNMERING COLLEGY

(AUTRIMONIOUS)

5122 Salnath Nagal, A. RANGAMPE)

Chittoor Folsyl - 517 102, A.R. PADA

o Annual Day

Student Support

Members have taken note of the existing support to the students through the following support systems and hoped that they shall be continued.

- Tuition Fee reimbursement from Welfare Departments
- GATE Fellowships
- Poor Students Welfare Fund
- Fee Concessions and Financial Support by the Trust

Placement and Training

Members congratulated the College Management and the Principal for the student support training programmes (such as IBM Centre of Excellence, Infosys-Campus Connect Program and Campus Placement Related Skills) and EDC Activities and for bringing Multinational Companies to the campus for providing placement to **461** students of 2012 passed out batch.

Members expressed their happiness over the Accreditation of the College by Tata Consultancy Services Limited (TCS) with **level 'B'**, which will enhance the employability of the students.

Faculty Support

While appreciating the efforts of the Management and the Principal in organizing Staff Development Programs in coordination with National Institute of Technical Teachers Training and Research (NITTTR), Chennai and WIPRO Technologies, Hyderabad, the members desired that such programs be organized regularly.

Members resolved that the existing encouragement/support to the faculty members shall be continued for:

- Publishing Technical Books
- Publishing Research Papers in Journals
- Results achieved in the subject(s) taught
- Improving Academic Qualifications
- Attending Faculty Development Programs/ Seminars/ Workshops/ Refresher Courses

Promotions are given to deserving faculty members taking into account qualifications, publications, results achieved, student feedback, commitment and involvement.

Members resolved that the above incentives be continued.

Members appreciated establishment of Research Mentoring Cell to enhance research activities.

The members of the Governing Body approved the recommendations of the Finance Committee for providing financial support to faculty members for international travel under faculty exchange and research is approved for implementation.

3.0 Research

The members welcomed the establishment of the following Research Laboratories and the activities carried out there on :

- National MEMS Design Centre (NMDC)
- Atmospheric Research Laboratory
- Chemistry Research Laboratory

The members also appreciated the constitution of : (i) College Research Mentoring Committee (CRMC) with eminent academicians from IITs, IISc and reputed Institutions and (ii) Research Advisory Committees for various departments.

The members congratulated the Management and the Principal on getting Research Grants and AICTE grants-in-aid, and on their efforts for getting research projects. Also the members appreciated the faculty who received seed funding from the institute to pursue research.

Resolved that such efforts shall be continued.

4.0 Ratifications

The members ratified the teaching positions sanctioned and recruited thereafter for the academic year 2012-13.

Resolved to ratify the appointment of the Deans/Heads of Department.

Members noted the appointments of Faculty Members, and Non-teaching staff; and promotions given to Faculty Members and ratified the same.

5.0 Recommendations of Academic Council in the meeting held on 2nd June, 2012

Members resolved to approve the recommendations of the Academic Council.

6.0 Recommendations of Finance Committee

Members approved the recommendations of the Finance Committee.

7.0 TEQIP-II

The members noted that 10 in-house Faculty Development Programmes were organized and several Faculty/Staff members attended FDPs/Training Programmes/Workshops/Seminars/National/International Conferences at reputed institutions under TEQIP activities.

The members resolved to ratify/approve the following:

- i) Equipment to be procured for Two New PG Programs started under TEQIP II
- ii) Institution Procurement Plan for Rs. 1,90,35,944/- (Rupees one crore ninety lakhs thirty five thousand and nine hundred and forty four only)
- iii) Constitution of Academic Committee, Procurement Committee and delegation of responsibilities to Finance Committee
- iv) Authorization of Sri. B. Ravisekhar, Finance Officer to issue Finance Committee proceedings on the recommendations of The Academic Committee duly endorsed by the Principal
- v) Revised Affidavit submitted to State Project Advisor (SPA), State Project Facilitation Unit (SPFU), AP., by The Chairman, BOG, SVEC (Autonomous) on Key Obligations to be performed
- vi) Guidelines for deputing faculty for Faculty and Staff Development Programs
- vii) Guidelines for the award of teaching assistantships/stipends under TEQIP II to increase enrollment in existing and New PG Programs
- viii) Establishment of Four Funds (Corpus Fund, Faculty Development Fund, Equipment Replacement Fund and Maintenance Fund) with an amount of Rs. 6 Lakhs each (equivalent to 0.5 per cent of annual recurring expenditure, based on the recurring expenditure for the year 2010-2011 for Four Accounts)
- ix) Revised Departmental Training Needs Analysis (TNA) for various Faculty/Staff development programmes and consolidated institution TNA as per the guidelines given in Project Implementation Plan (PIP)

- x) Authorization of the Principal to carryout day-to-day TEQIP Project Implementation activities and constitution of various committees on need basis on behalf of BoG till the next meeting of the BoG, and
- xi) The Governing body shall meet at least Four times in a year and the minutes of such meetings should be placed in the Institutional website as per the guidelines of State Project Advisor (SPA), State Project Facilitation Unit (SPFU), AP and National Project Implementation Unit (NPIU), New Delhi.

8.0 Proposals for Accreditation by NBA

Members noted the steps taken by Management and Principal in submitting the proposals to NBA for Re-Accreditation for four programmes and Accreditation for one Programme;

9.0 Proposals for Accreditation by NAAC

Members observed that the proposal submitted to the NAAC for Assessment and Accreditation of the College is in line with the Vision of the Management.

10.0 Proposals to AICTE for the academic year 2013-2014.

Resolved to authorize the Principal to send proposals to AICTE, New Delhi for the academic year 2013- 2014 seeking

- Extension of Approval for the Existing (including Diploma) programmes
- Introduction of Additional Courses
- Increase in intake of some Courses

11. Approval of Research and Consultancy Policies:

The members have emphasized on the need for the research and consultancy policies and they have approved the proposed two policies for implementation.

11.0 Statutory Bodies / Committees for 2012- 2014

Members approved the following reconstituted Statutory Bodies/Committees

- i) Academic Council
- ii) Boards of Studies, and
- iii) Finance Committee

Members resolved to authorize the Principal to receive nominations as required to include members in the above Committees from the JNTUA Anantapur.

13.0 Suggestions from Hon'ble members

The Hon'ble members of the Governing Body made the following suggestions:

- To conduct all student Fests in the month of November/December.
- To invite well placed alumni to address students on placement related activities.
- To take steps to improve admissions into B.Tech Biotechnology course by giving wide publicity.
- To request the HODs to identify the core companies and invite them for placements.
- To invite Padmabhushan Dr. K.I. Vara Prasad Reddy, Managing Director, Shantha Biotechnics (P) Ltd., Hyderabad to deliver lectures on entrepreneurship.
- To frame guidelines for providing leave facilities to the members of faculty who are pursuing research activity leading to Ph. D.
- To constitute Academic Audit Committee (AAC) for effective implementation of academic activities in the College regularly.

The performance assessment of the Head of the Institution for the academic year 2011-12 is assessed and is apprised to all the members of Governing Body.

The above suggestions are well taken for further action.

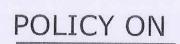
The 3rd Meeting of the Governing Body concluded with thanks to the Members.

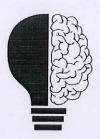
Member Secretary

Sree Sainath Nagar, A. RANGAMPET

Chittoor (Dist.) - 517 102, A.P., INDIA.

Page 7 of 7







SREE VIDYANIKETHAN ENGINEERING COLLEGE

Sree Sainath Nagar, Tirupati, A.P. India

Contents

1	PREAMBLE	4
1	VISION	5
ı	MISSION	5
i	NEED	5
I	DEFINITION OF IPR	6
	KEY FORMS OF IPR	
I	DEFINITIONS	8
(OBJECTIVES OF THE POLICY	9
	Objective 1: To create Awareness and undertake Outreach and Promotion of IP	PR 9
	Objective 2: To stimulate the generation of IPRs	10
	Objective 3: To establish a Legal and Legislative Framework for IP	10
	Objective 4: To establish, modernize and strengthen service oriented IPR administration and management	11
	Objective 5: Commercialization of IPR for revenue generation	12
	Objective 6: Enforcement and Adjudication	12
	Objective 7: To strengthen and expand Human Capital Development	13
S	SCOPE OF THE POLICY	.14
C	OWNERSHIP OF IP	.14
	IP Creation without resources of SVEC:	15
	IP Creation in SVEC with the support of Industry:	15
	IP Creation in SVEC only:	16
	Creators not willing to give the rights to SVEC:	16
	SVEC students alone:	16
	Out of scope:	16

Sree Vidyanikethan Engineering College (SVEC)

PRINCIPAL
SREE VIDYANIKETHAN ENGINEERING COLLEGE
(AUTONOMOUS)
Sree Sainath Nagar, A. RANGAMPET
Chittoor (Dist.) - 517 102, A.P., INDIA,

H

Policy on Intellectual Property Rights [IPR]

SVEC IPR Works:	17
RESPONSIBILITIES OF CREATORS/ INVENTORS	18
Criteria for naming inventors	19
TRANSFER OF RIGHTS/ OWNERSHIP	20
INTELLECTUAL PROPERTY RIGHTS CELL (IPRC)	20
Members of IPRC:	21
Terms of reference of IPRC:	22
ACTIVITIES LEADING TO THE GENERATION OF IP	22
PATENT FILING EXPENSES	23
PATENT FILING PROCEDURE WITHIN SVEC	24
LEAVING SVEC/ DISCONTINUATION OF SERVICES AT SVEC:	25
DISPUTE RESOLUTION	25
CONFLICT OF INTEREST	25
WATVED / AMENDMENT OF THE ID DOLLOV	26

Sree Vidyanikethan Engineering College (SVEC)

PREAMBLE

Sree Vidyanikethan Engineering College (SVEC) was established in 1996 by Sree Vidyanikethan Educational Trust under the stewardship of Dr. M. Mohan Babu, renowned Film Artiste and Former Member of Parliament (Rajya Sabha). The proactive management team and strong teaching community are the key drivers of Sree Vidyanikethan in all its achievements. Full, broad, and balanced curriculum besides student co-curricular, extension and cultural and sporting activities in the right proportions have been part of student life. The institution is consistently attracting the best of students and transforming them into brilliant alumni who are spread across the globe. The networking with premier academic institutions, national laboratories, and industry has provided the necessary and essential platform for collaboration in academics and research. With its rich experience of over 28 years in education, Sree Vidyanikethan Engineering College is one of the premier educational institutions in India. With the support of all stakeholders the institutions have been achieving remarkable successes in Quality and Development; Research and Entrepreneurship; Collaborations; Skill development and Community service.

In this competitive environment, Intellectual property (IP) plays a vital role in preserving and commercializing the intellectual outcome of an Institute. The Intellectual Property Rights (IPR) Policy of the institute is needed not only to preserve the intellectual output of SVEC but also to create awareness among the faculty, staff, and students of SVEC and to know about its influences in the world at large. This Intellectual Property Rights (IPR) policy of the institute is expected to promote a competitive and conducive environment for both the curiosity-driven and market-driven research and development activities conducted at the Institute level so as to protect the creation of original works of authorship.

Intellectual Property (IP) refers to creation from the mind of any person (inventor) such as inventions, innovations, literary work, artistic works, designs, symbols, names, logos, images. IP plays an important role in providing a competitive edge to any organization.

The intangible assets like inventions, designs, software, brand name, and other creative and innovative ideas are more valuable than physical assets. It is necessary to protect these creations in order to enable organizations to earn recognition or

Sree Vidyanikethan Engineering College (SVEC)

Policy on Intellectual Property Rights [IPR]

financial benefits. In this scenario, Governments of various countries are granting

protection to the innovative ideas of the inventors/creators through Intellectual

Property Rights (IPR) system. Recently, IPR has become a central issue in almost all

developed and developing countries.

The faculty, research scholars, scientists, students, and other personnel of SVEC are

actively engaged in various research and development activities of diversified nature.

Many of these research and development leads to the creation of different forms of

IP, which are likely to be commercially exploited and benefit both the institution as

well as the society unless protected under IPR laws. In this scenario, the Intellectual

Property Rights Cell (IPRC) of SVEC encourages, facilitates, promotes, and

safeguards scientific investigations and research of SVEC Personnel and others. IPRC

is acting as a nodal center for carrying out all the activities related to IP.

VISION

To promote creativity and innovation thereby generating Intellectual Property in the

areas of Science, Engineering, Technology, and all allied areas to foster development

through knowledge and technology transfer

MISSION

Promote an intellectual property development culture to foster entrepreneurship and

research in the focused areas of science, engineering and technology by establishing

systems for awareness, generation, Legal and Legislative Framework, Administration

and Management, Commercialization, Enforcement, and Human Capital

Development

NEED

The Policy aims to promote innovation and entrepreneurship in the institution and

push IPRs as a marketable financial asset for generating revenue.

Sree Vidyanikethan Engineering College (SV€C)

5

PRINCIPAL

REE VIDYANIKETHAN ENGINEERING COLLEGE

(AUTONOMOUS)

Sree Sainath Nagar, A. RANGAMPET Chittoor (Dist.) - 517 102, A.P., INDIA.

DEFINITION OF IPR

Intellectual Property Rights (IPR) denotes the specific legal rights of the inventors to hold and exercise Patents, Trademarks, Copyrights, Industrial Designs, etc. IPR aims to exclude third parties from exploiting the protected subject matter for a certain period of time (normally 20 years in case of Patents), without explicit authorization from the right holders. IPR owners can use or disclose their creations without fear of loss of control over their usage during the course of dissemination of their creation/invention to third parties.

IP confers of exclusive rights in relation to the particular form in which ideas/information are expressed / manifested in the following manner.

- 1. New and useful scientific and technical advancements in the form of innovations, inventions, products and processes, computer hardware and software, materials, biological varieties, and others that are patentable.
- 2. Industrial and architectural designs, models, drawings, creative, artistic and literary works, teaching resource materials, generated records of research including thesis, dissertations, and others which are copyrightable.
- 3. Trademarks, service marks, logos, etc.

KEY FORMS OF IPR

- ▶ Patent: The exclusive right granted for a particular invention, which may be a product or a process for providing a new way of execution or bring a new technical solution to a problem.
- Copyright: An exclusive right given to the author of the original literary, architectural, dramatic, musical and artistic works, cinematograph films, and sound recordings.
- Trade/Servicemark: A mark capable of being represented graphically and which is capable of distinguishing the goods or services of one person from those of others and may include the shape of goods, their packaging, and combination of colors.

Sree Vidyanikethan Engineering College (SVEC)

Policy on Intellectual Property Rights [IPR]

Industrial Design: Only the features of shape, configuration, pattern, ornament or composition of lines or colors applied to any article whether in two dimensional or three dimensional or in both forms, by any industrial process or means, whether manual, mechanical or chemical, separated or combined, which in the finished article appeal to and are judged solely by the eye; but does not include any mode or principle of construction or anything which is in substance a merely mechanical device.

Semiconductor Integrated Circuits and Plant Variety

- o The ownership rights over integrated circuits and plant varieties, with the utilization of resources of the academic institution, shall vest with the academic institution.
- o If the academic institution determines that the semiconductor integrated circuit layout design or plant variety was created by an individual(s) on his/her own time and unrelated to his/her responsibilities towards the academic institution and was conceived or reduced to practice without the use of resources of the academic institution, then the semiconductor integrated circuit layout design or plant variety shall vest with the individual(s).
- Geographical Indications: An indication which identifies such goods as agricultural goods, natural goods as originating or manufactured in the territory of a country or manufactured in the territory of a country or a region or locality in that territory where a given quality, reputation or another characteristic of such goods is essentially attributable to its geographical origin and in the case where such goods are manufactured as one of the activities of either the production or of processing or preparation of the goods concerned takes place in such territory, regions or locality as the case may be.

Sree Vidyanikethan Engineering College (SVEC)

DEFINITIONS

- **a) IPR** means generally patented or potentially patentable inventions, trademarks, service marks, trade names, copyrightable subject matter, trade secrets, or any other forms of statutory or common law protection of any kind in all jurisdictions, where applicable.
- b) First Party Sree Vidyanikethan Engineering College (SVEC).
- c) Second Party Faculty, Supporting Staff, Project Staff, Students of SVEC, Alumni, Associated Organizations, Non-Institute Personnel.
- **d)** Faculty means a professionally qualified person who conveys his/her knowledge to the learners through teaching and research at SVEC. He/she may be as a full-time employee, or a visiting faculty appointed by SVEC.
- e) Supporting Staff is the person who helps the relevant members to carry out the research, development, teaching, or any other related activities.
- **f) Student** means an individual who enrolls himself/herself as full time, part-time, or exchange student from other universities/colleges.
- **g) Project staff** means a person who is temporarily employed under a research project, consultancy or any other activity carried out by SVEC on a contract basis.
- **h) Third-Party** Any organization with whom the First or the Second Party interacts for any activity by exchanging cash or kind.
- i) Activity Practices related to teaching, research, consultancy, generation, and dissemination of information carried out by a person or an Institution independently, or collaboratively.
- j) Inventor(s) A responsible person or a group of persons who deal with the creation of an IP. In case, creation of IP is associated with more than one inventor and other organizations are involved, one of them, from SVEC, would function as a Lead Inventor.

Sree Vidyanikethan Engineering College (SVEC)

- **k) Visitor** A person visiting under a collaborative activity or associated work at SVEC. It is expected that the visit has been approved by the competent authority of SVEC.
- Associated Agreement Document created with mutual consent of involved parties defining the rights, roles, and responsibilities of each of the parties, such as Memorandum of Understanding (MoU), Memorandum of Association (MoA), Research Agreement, Consultancy Agreement, Non-Disclosure Agreement (NDA), etc.
- **m)** Non-Disclosure Agreement (NDA) The agreement intends to protect proprietary or confidential information among the parties involved in executing an NDA.
- n) Alumni Past students of the SVEC.
- **o) Associated Organizations**: All organizations with whom SVEC enters into separate agreement/s.
- **p) Non-Institute Personnel**: Other students, Entrepreneurs, Investors, Startups employees, Individuals.

OBJECTIVES OF THE POLICY

Objective 1: To create Awareness and undertake Outreach and Promotion of IPR Actions:

- > Conducting awareness programs for the specific needs of teachers, students, inventors, creators, and entrepreneurs.
- Providing awareness to teachers, researchers and students about the need to protect their inventions before publishing.
- > Introducing courses or incorporating the content of successful use of IPRs of the respective domains into the curriculum.
- Encouraging high quality and cost-effective innovation and research leading to prospective intellectual property.

Sree Vidyanikethan Engineering College (SVEC)

Creating print/ electronic/ social media promotion for the propagation of intellectual property generated by the institution.

Objective 2: To stimulate the generation of IPRs Actions:

- > Identifying specialized areas and specific sectors to focus on innovation and research for generating Intellectual Property.
- Creating culture and facilities that encourage the institution for new knowledge generation and its applications through IP.
- Increasing the generation of IP assets in the Institution and their utilization for development purposes and to harness the full potential of IPRs for revenue generation.
- Establishing a strong linkage with industry for encouraging inter-disciplinary and IPR-driven research and innovation in identified areas.
- Encouraging teachers in IPR creation and setting it as a key performance Metric in Faculty Performance Appraisal System.
- Rewarding students with incentives for IPR creation to recognize their merit and innovation.
- Providing special incentives for the creation of IPRs in environmental, energyefficient, and cost-effective products and systems.

Objective 3: To establish a Legal and Legislative Framework for IP Actions:

- > Defining clearly legally binding international instruments (s) such as Traditional Knowledge (TK), Genetic Resources (GR), and Traditional Cultural Expressions (TCE).
- > Developing IP related rules, guidelines, procedures, and practices for clarity, simplification, streamlining, transparency, and time-bound processes in administration and enforcement.
- > Defining IP guidelines to remove ambiguities and inconsistencies with other laws, if any.

Sree Vidyanikethan Engineering College (SVEC)

10

Policy on Intellectual Property Rights [IPR]

- Creating legal mechanisms and procedures for the Protection of new knowledge developed, innovative products, and Trade Secrets.
- > Establishing defined procedures for technology transfer, technical know-how, and licensing.

Objective 4: To establish, modernize and strengthen service-oriented IPR administration and management

Actions:

- Creating a Cell for IPR Promotion and Management to facilitate promotion, creation, and commercialization of IP.
- Adopting best practices with respect to filing and docketing of documents, maintenance of records, and digitizing the same including document workflow and tracking systems.
- Modernizing the physical and ICT infrastructure to accelerate e-filings, e-processing, and other e-services.
- Collaborating with various R&D Institutions, Universities, Funding Agencies, Chambers of Industry and Commerce, professional bodies and societies in providing advisory services to improve IP creation, management, and utilization.
- Developing linkages with IP offices in areas of Capacity Building, Human Resource Development, Training, Access to Databases, Best Practices in search and examination use of ICT and user-oriented services.
- Exploring the possibility of speedy examination of patent applications to promote innovation and novelty.
- Conducting periodic audits of processes being adopted in IP administration for efficient grant and management of IP rights.
- > Implementing quality standards at all stages of operations to obtain national quality certifications to the IP Cell.
- Providing continuous training to staff of the IP Cell to update them of developments in procedures, substantive laws, and technologies.

Sree Vidyanikethan Engineering College (SVEC)

11

Objective 5: Commercialization of IPR for revenue generation Actions:

- Developing a common platform for IPR owners (teachers and students) and users of IPRs by acting as a facilitator to be connected with potential users, buyers, and funding agencies.
- Acquiring access to databases on Indian IP and global databases of creators/ innovators, market analysts, funding agencies, IP intermediaries.
- Promoting licensing and technology transfer for IPRs.
- > Devising suitable contractual and licensing guidelines to enable the commercialization of IPRs.
- Promoting patent pooling and cross-licensing to create IPR based products and services.
- Promoting collaborative IP generation and commercialization efforts with R&D institutions, Industry, Academia, and Funding Agencies.
- Arranging for financial support for development and commercialization of IP assets through links with financial institutions including banks, venture capital funds, angel funds, crowdfunding mechanisms.
- Providing seed funding to the teachers and students of the institution for marketing activities such as participating in trade fairs, industry standards bodies, and other forums.
- Providing guidance and support to IPR owners (teachers and students) about commercial opportunities of e-commerce through the Internet and mobile platforms.
- Encouraging innovators (teachers and students) to create brand equity from their IP rights, such as Trademarks and GIs.

Objective 6: Enforcement and Adjudication Actions:

Strengthening the enforcement and adjudicatory mechanisms for combating IPR infringements.

Sree Vidyanikethan Engineering College (SVEC)

12

Policy on Intellectual Property Rights [IPR]

- Building respect and awareness for IPR among the stakeholders of the Institution and to sensitize the inventors and creators of IP on measures for protection and enforcement of their rights.
- Monitoring enforcement strategies at various levels including at individual, department, and institution.
- > Identifying and undertaking measures to prevent counterfeiting and piracy of IP in the institution.
- Arranging regular IPR workshops / colloquia for Deans, HoD's, and IP cell administrators to facilitate effective adjudication of IPR disputes.
- Following up on adjudication on IPR disputes of the Institution, if any, through a special team of IP Cell in specialized commercial courts and exploring Alternative Dispute Resolution Mechanism.

Objective 7: To strengthen and expand Human Capital Development Actions:

- Developing a pool of IPR professionals and experts in spheres such as policy and law, strategy development, administration, and enforcement.
- > Strengthening and empowering the IP cell and internal experts to conduct training for IPR administrators and managers in industry and business, academicians, R&D institutions; IP professionals; inventors, and civil society for awareness and revenue generation.
- Strengthening collaboration for IP Teaching, Research and Training with WIPO, WTO, other International Organizations, and reputed Foreign Universities.
- > Developing training modules (on-campus and online courses) and organize train the trainers with internal and external experts including legal training.
- Recruiting teachers of eminence with experience in IP creation to provide quality teaching and guide research for the generation of IP.
- Introducing multi-disciplinary IP courses/ modules by making IPR an integral part of the curriculum covering legal, technical, commercial, and management aspects.
- Facilitating Industry interfacing through Inventor and Creators Associations to raise awareness of IP issues and for Teaching, Training, and Skill Building.

Sree Vidyanikethan Engineering College (SVEC)

SREE VIDYANIKETHAN ENGINEERING COLLEGE (AUTONOMOUS) Sree Sainath Nagar, A. RANGAMPET Chittoor (Dist.) - 517 102, A.P., INDIA.

13

SCOPE OF THE POLICY

- The ordinance governing the intellectual property policy shall come into effect from April 1^{st,} 2020 subject to the approval granted by the Governing Body of Sree Vidyanikethan Engineering College.
- This IP Policy of the SVEC is applicable to all researchers, staff who has made substantial use of SVEC Resources.
- This policy is also applicable to staff/ researchers/ faculty/ students who have created the IP while at the SVEC and thereafter have resigned, quit, or graduated from the SVEC.
- This policy also applies to SVEC researchers working at other organizations through a formal agreement with the other organization, under such cases the IP Policy of the SVEC will be interpreted in reference to the relevant formal inter-institutional agreement.

OWNERSHIP OF IP

Sree Vidyanikethan Engineering College (SVEC) shall be the SOLE OWNER of all intellectual properties including inventions, software, copyright, Trademarks, Industrial Designs, and integrated circuits, etc. created by creators/inventors as a result of research or created by substantial use of college facilities.

SVEC shall be the owner, with the creators specially stated as inventors for all the intellectual property, inventions, software's, copyright, Trademarks, Industrial Designs, and integrated circuits, etc. created by the creators who include faculty members, research scholars, students and those who make use of the resources of SVEC.

If the creators/ inventors include the name of the college (SVEC) as the applicant while filing the IP, the ownership on the IP will fully with SVEC only. However, some royalty on the technology transfers can be shared with the inventor / creator as per the discretion of Head of the Institute (HoI).

Sree Vidyanikethan Engineering College (SVEC)

14

Policy on Intellectual Property Rights [IPR]

The inventors/ creators shall include the name of the college (SVEC) as the assignee/ owner while filing the IP. If IP is created with the collaboration/ joint venture, on the prior permission of SVEC, the names of the third party shall be included as one of the assignee / co-owners of the specific IP which shall be based on the agreement entered with such third parties.

All the inventors should take special care while filing the patent ensuring the affiliation of the Institute should be clearly visible in all the forms wherever necessary.

IP Creation without resources of SVEC:

The Inventions/IP created by SVEC personnel, without using SVEC resources and created outside their assigned/normal duties/areas of research /teaching shall be owned by the inventors and the revenue generated out of such creations shall be shared in the following between the creator/Inventor and SVEC

Creator/Inventor share (%)	SVEC share (%)
60%	40%

Where more than one Inventor is involved, initial responsibility for agreeing to the division of the Inventor's share of revenue amongst them shall lie with those Inventors. The revenue would be shared based on the apportionment provided by the concerned SVEC Faculty or primary Inventors, in the event of any dispute, the IPR Cell will take the lead in determining the apportionment.

IP Creation in SVEC with the support of Industry:

If an Inventions/IP has emerged as a result of an Institutional/Industrial consultancy, sponsored to SVEC the concerned industry and SVEC shall own the IP. This however will not apply to those IPs that are covered under specific MoU's where the action shall be carried out as per the provisions of the MoU's. If the IP is a result of funds sponsored by an outside agency, then the IP will be shared between SVEC and the sponsoring agency on a case by case basis, as per MoU/Agreement/Undertaking

Sree Vidyanikethan Engineering College (SVEC)

Policy on Intellectual Property Rights [IPR]

between SVEC and the outside agency. Further, in the absence of specific agreement, IPR cell will decide on revenue sharing based on the contributions of either side than

in general making them co-owners.

IP Creation in SVEC only:

The Inventions/IP created by SVEC personnel, with the available SVEC resources shall be fully owned by the SVEC and the revenue generated out of such creations shall be completely taken by SVEC. However, some royalty (preferably 20%) on the technology transfers can be shared with the inventor / creator as per the discretion

of Head of the Institute (HoI).

Creators not willing to give the rights to SVEC:

If the IP is created by utilizing resources/ facilities of SVEC and the creators/ inventors are not willing to assign the IP to SVEC, the management/ Head of the Institute (HoI) can take disciplinary actions for violation of IPR policy of the institute such as terminating the services, etc. as well as exploring the legal avenues to get the share

in such Intellectual property Rights.

SVEC students alone:

If IP is created by the students with the aid of college resources/ facilities, the share

will be decided by the IPR cell on case to case basis.

Out of scope:

IPR that does not fall in the professional scope of an Inventor/Researcher of SVEC and generated without the use of the resource of the SVEC must be declared prior to its protection. In such IP, the IP rights can remain with the Inventor(s) subject to a

"No objection certificate" from the SVEC.

16

Sree Vidyanikethan Engineering College (SVEC)

SREE VIDYANIKETHAN ENGINEERING COLLEGE (AUTONOMOUS) Sree Sainath Nagar, A. RANGAMPET

Chittoor (Dist.) - 517 102, A.P., INDIA.

SVEC IPR Works:

Patents/ Trademarks/ Industrial Designs/ Integrated Circuit Layouts

- All the IP whether created by student/ researcher/ faculty developed by utilizing SVEC's resources, or with the mix of funds, resources, and/or facilities of the college, shall ordinarily be vested with SVEC.
- Invention(s) including software, design, and integrated circuit layouts created by the Institute personnel without use of the Institute resources and not connected with the profession for which he/she is employed at the Institute shall be owned by such inventor/creator(s) subject to obtaining NOC from the IP CELL and Management of SVEC.
- The ownership of all rights in all types of IP involving the college shall ordinarily be vested with the SVEC.
- If SVEC determines that the creator of the IP was created by an individual on his/ her own time and unrelated to his/ her responsibilities, then the right to the same shall ordinarily be vested with the said individual subject to obtaining NOC from the IP CELL and Management of SVEC.
- Trade and service marks related to goods and services involving SVEC will be owned by SVEC.
- For patentable IP, it is essential that the patent protection is filed before the
 publication or disclosure of it in any other form of public domain. As a precondition, all information/ innovation/ inventions that are developed/created
 and intended to be published should obtain prior permission before making
 such disclosure/publication.

Copyrights:

- SVEC shall be the owner of all copyright works including software and all connected teaching materials designed and developed by staff/ faculty of Sree Vidyanikethan Engineering College.
- SVEC shall also be the owner of copyrights of works produced, including software and all teaching materials developed by persons not directly associated with SVEC, provided SVEC has made its contribution in the form of any of the resources and/or guidance.

Sree Vidyanikethan Engineering College (SVEC)

- It is the responsibility of the author/creator that their creation does not violate any copyright rules or ethical standards.
- The ownership of copyright by SVEC will in no way deprive the claims of the creator/author to publish his/her contribution in a scholarly and intellectual way and they have the authority to improve, publish and propagate their works by taking prior approval (NOC) from the IPR cell. Also, the ownership rights in Massive Open Online Courses (MOOCs), films, plays, and musical works, thesis, dissertations, term papers, laboratory records, institutional materials including, but not limited to, course syllabi, curricula, exam questions, exam instructions, and papers/ reports specifically commissioned by SVEC, shall ordinarily be vested with SVEC.
- Any publication, document, and/or paper arising out of research activities shall be owned by the SVEC and the author/researcher/creator shall have only Moral Rights.
- The use of name, logo, and/ or official emblem of the college shall not be done without prior written permission from the institution. Violation of this policy will lead not only violation of this IPR Policy but also Infringement/passing off of Trademark Rights of SVEC in which cases appropriate legal action would be taken by SVEC.

Note: However, the revenue share for all the above cases will be decided by the IPR Cell. The figures indicated above shall be subjected to change as per the contributions of stakeholders.

RESPONSIBILITIES OF CREATORS/ INVENTORS

- a) To sign a confidentiality agreement and consent agreement with the college before filing an IP
- **b)** To make an invention disclosure in a thorough and timely manner of all IP created.
- c) To provide evidence of originality/ novelty for the IP created along with the Invention Disclosure Form.

Sree Vidyanikethan Engineering College (SVEC)

- **d)** To promptly disclose know-how, designs, algorithms, source-code, prototypes pertaining to the IP conceived in writing without concealing information and submit it to the IPRC as and when requested.
- e) To cooperate with the Institution IPRC in resolving all conflicts as may arise with respect to the IPs concerning to him/her.
- f) To cooperate with IPRC while evaluating the Invention Disclosure Form.
- **g)** To maintain confidentiality over the invention and should not reveal/ discuss the same with anyone prior to disclosing with IPRC of SVEC
- h) To take complete responsibility for the filing activities such as preparing the necessary documents/forms, drafting the inventions, filings, etc. if decided to seek protection for the IP created.
- i) To inform about his/ her activities with IPRC from time to time.

Criteria for naming inventors

The naming of Inventors is normally decided on the basis of the following criteria:

- All persons who contribute towards the development of patentable features of an invention will be named as the inventor(s).
- All persons, who have made intellectual contributions in achieving the final results of the research work leading to a patent, will be named as the inventor(s).
- A person who has not contributed intellectually in the development of an invention is not entitled to be included as an inventor.
- A person who provides ideas needed to produce the 'germs of the invention' need not himself / herself carry out the experiments, construct the apparatus with his/her own hands or make the drawings himself/herself, the person may take the help of others, such persons who have helped in conducting the experiments, constructing apparatus or making the drawings or models without providing any intellectual inputs are not entitled to be named as Inventors.
- Quite often difficulties may arise while deciding the names of Inventors. To avoid such a situation, it is essential that all scientists engaged in research should keep a factual, clear, and accurate records of daily work done by them

19

Sree Vidyanikethan Engineering College (SVEC)

in the form of a diary (Lab Note Book). The pages in the diary should be consecutively numbered and the entries made should be signed both by the scientists and the concerned principal Researcher.

TRANSFER OF RIGHTS/ OWNERSHIP

Sree Vidyanikethan Engineering College shall strive to identify potential licensee for the IP to which it has ownership. Generally, creators are expected to assist the transfer of IP.

Prior to the commencement of the policy, the rights/ ownership of the IP created by the creators must be transferred to Sree Vidyanikethan Engineering College. A legal agreement shall be executed between the creator and SVEC which consists of the following:

- The terms and conditions
- Revenue sharing particulars
- Sharing in the fee for transferring purposes
- IPRC will actively monitor the market and keep a watch on IP Applications for similar technologies and enforce the rights as and when needed and actively commercialize the IPR Generated and Protected.

INTELLECTUAL PROPERTY RIGHTS CELL (IPRC)

The intangible assets like inventions, designs, software, brand name, and other creative & innovative ideas are more valuable than physical assets. IPRC is committed to encourage, protect, manage, and commercialize Intellectual Property such as Patent, Copyright, Trademark, etc. generated through the College. IPRC will coordinate the activities of evaluating, protecting, licensing, and managing the IP generated by SVEC. Further, it shall provide guidance to all SVEC personnel and facilitate protection and deployment of intellectual property issues of ownership, confidentiality, suitable advice from experts, disclosure, patentability, and transfer of rights.

Sree Vidyanikethan Engineering College (SVEC)

20

IPRC will be the leading administrative body, which will be responsible for formulating the procedures and to implement the IPR policy of SVEC. IPRC would also clarify any issues/appeals related to IPR policy.

Members of IPRC:

The members of IPR Standing Cell include:

IPRC members	Function	
Head of the Institute (HoI)	Supervises the activities of IPRC.	
IPR cell Coordinator	Coordinates between the staff and the HoI. Also, responsible for organizing training, consulting industry experts, etc.	
Internal Subject Experts [C-Branch's: 1 E-Branch's: 2 ME: 1 CE: 1 BS&H: 1]	Experts to evaluate the Invention Disclosure Forms (IDF's) submitted by inventors. To take decisions on the inventions.	
IPR expert	IP expert to supervise the activities in par with the Indian Patent Act. It also conducts patentability searches in paid databases to check the novelty/ obviousness of the invention. Provides guidance to the prospective inventors on the preparation of required forms/ drafting of provisional/ complete specifications.	
Industry Person (4 No)	Experts to evaluate the IDF's submitted by inventors. To take decisions on the inventions. Suggest further recommendations.	
A legal advisor	Legal Advisor to assist all the legal needs in executing the IP filings/ activities within SVEC	

Note: * However, the Marketing and Commercialization of Protected IPR in India and abroad will be done with the support of Industry members of the IPR Cell and Industry Institute Interaction (III) Cell.

Changes in the IPR committee shall be done as and when required with the prior approval of the chairman of the committee.

Sree Vidyanikethan Engineering College (SVEC)

21

Terms of reference of IPRC:

- Formation of expert groups: To form expert groups with members from different domains/ subjects to assess and evaluate all the proposals for filing IP.
- <u>Procedures/ guidelines:</u> To create and finalize procedures/ guidelines for the best implementation of the IPR policy at SVEC.
- <u>Tracking of IP filed</u>: To maintain a record of all the IP filed by SVEC and to track the various IPs filed so as to ensure a speedy and hassle-free IP process.
- <u>IP protection</u>: To facilitate the protection of IP by drafting suitable and specific agreements.
- <u>Agreements management:</u> To handle all the Agreements pertaining to IPR in order to protect the interests of SVEC.
- Organizing awareness programs: To conduct IP awareness programs for educating SVEC personnel / students/ staff/ students/ research scholars.
- <u>Funds for IPR</u>: To approach funding agencies (external or internal) for generating funds to promote IPR activities.
- <u>IPR utilization</u>: To release IPR to the Inventor(s) and/or Third-party without violating the IPR policy of SVEC.
- <u>Disputes handling</u>: To solve disputes related to the ownership of IP, violating the policy, processing of IP proposals, procedures adopted for the implementation of IPR policy.
- <u>Technology transfers</u>: To assist in commercializing the inventions as and when required.

ACTIVITIES LEADING TO THE GENERATION OF IP

The various Research and Development activities performed in SVEC can generate different types of IPs which are illustrated as follows:

a) Research is done by a faculty/staff/student/research scholar in the normal course of his/her engagement at SVEC with the funds of SVEC (this would include research projects undertaken by students under the supervision of the faculty member);

Sree Vidyanikethan Engineering College (SVEC)

22

Policy on Intellectual Property Rights [IPR]

b) Research done through the sponsored projects by a faculty/staff/student;

c) Collaborative projects and researches performed with other institutions

including Government Departments and agencies, PSUs and Private companies

located in India;

d) Collaborative research with foreign institutes/universities and companies; and

e) Any combination(s) of the above

Note: The applicant name for cases mentioned above and all other possible

cases must be Sree Vidyanikethan Engineering College.

PATENT FILING EXPENSES

SVEC shall bear the patent filing expenses as per the recommendations of the

IPR cell. If it is a joint patent with a sponsoring agency, then the patenting

cost will be equally shared. If the other agency does not show interest in such

a process, SVEC can either continue the patent by paying the fees for its full

term or withdraw the application for the patent protection, at its discretion.

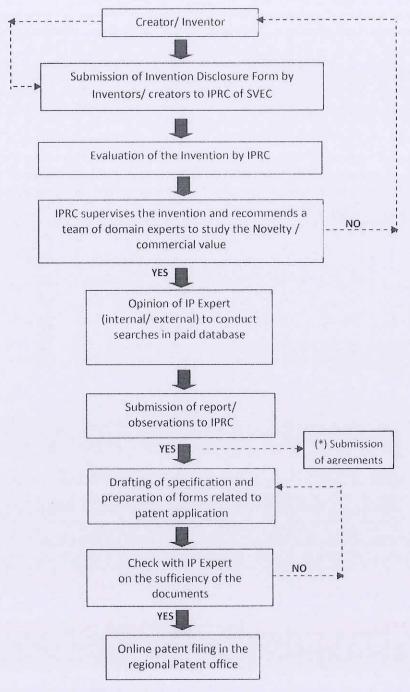
Sree Vidyanikethan Engineering College (SVEC)

23

PRINCIPAL
SREE VIDYANIKETHAN ENGINEERING COLLEGE
(AUTONOMOUS)

Sree Sainath Nagar, A. RANGAMPET Chittoor (Dist.) - 517 102, A.P., INDIA.

PATENT FILING PROCEDURE WITHIN SVEC



Note (*): Forms to be submitted:

 Agreement between Inventors & SVEC clearly stating the fee and revenue sharing.

Sree Vidyanikethan Engineering College (SVEC)

24

• Mutual agreement between the co-inventors.

LEAVING SVEC/ DISCONTINUATION OF SERVICES AT SVEC:

- Cessation of employment either by resigning, retirement, or completion of project/ course, under normal circumstances, or a Student leaving SVEC, will not affect an individual's right to receive a share of revenue, provided the IP/revenue was generated during the due course of their admission, employment or association with the SVEC.
- If the creator/ inventor left the institute, SVEC will continue to share the agreed revenue sharing with the creator/ Inventor.
- In deceased conditions, SVCE continues to share the agreed share with his/ her nominee/legal representative.
- SVEC will also entertain all the commitments to make payments to SVEC personnel as a creator/inventor who had left the employment of the Institute prior to the exploitation of IPR.
- The researchers/staff/faculty/students that have been terminated by SVEC for various reasons, the sharing of the revenue, if any, will be decided on a case by case basis.

DISPUTE RESOLUTION

In case of any disputes between the Institute and the inventors regarding the implementation of the IP policy, the aggrieved party may appeal to the Chairman/Principal SVEC. Efforts shall be made to address the concerns of the aggrieved party. The decision of the management shall be communicated by the Principal in this regard would be final and binding.

CONFLICT OF INTEREST

Each researcher must declare any potential conflict of interest that they have in relation to IP to the concerned person of the IPRC, to the head of the Institute (HoI), as soon as possible.

Sree Vidyanikethan Engineering College (SVEC)

25

WAIVER/ AMENDMENT OF THE IP POLICY

The SVEC shall have the discretion to waive or vary any or all of the provisions of this IP Policy, or any of the rules or guidelines framed thereunder, in a particular case. Such discretion shall lie solely with the head of the Institute (HoI) of SVEC. Similarly, SVEC may amend the provisions and guidelines set out in the IP Policy from time to time and shall notify its researchers/staff/faculty of such amendments as soon as possible. The amendments shall be in full force and effect on the date the amendments have been announced by the SVEC to take effect.

SREE VIDYANIKETHAN ENGINEERING COLLEGE
(AUTONOMOUS)

Sree Sainath Nagar, A. RANGAMPET Chittoor (Dist.) - 517 102, A.P., INDIA.

CONSULTANCY POLICY



SREE VIDYANIKETHAN ENGINEERING COLLEGE

(AUTONOMOUS)

(Approved by AICTE, Accredited by NBA, New Delhi and NAAC, Bengaluru Affiliated to JNTUA, Anantapuramu) Sree Sainath Nagar, A. Rangampet, Chandragiri Mandal, Chittoor Dist., Andhra Pradesh – 517 102

www.vidyanikethan.edu



Consultancy Policy

Facilitation:

The Institution provides the necessary facilitation conforming to the following tenets concerning consultancy:

- The Institution shall provide the ecosystem for Consultancy to the motivated and competent faculty in specialized areas of Engineering, Technology and allied areas to external agencies such as Industry, government and research institutions
- The Institution shall create awareness and necessary motivation to the faculty for undertaking consultancy as a development vertical for self as well institutional development.
- 3. This policy shall apply to only the regular employees of the institution.
- 4. The Consultancy Policy will be implemented to compliment the Research and development policy of the Institution

Objectives:

- > Fostering linkages and collaborations with industry for research, technology transfer and specialized human resource development.
- > Identification, protection, and commercialization of intellectual property.
- > Promoting commercialization and application of technologies and inventions.
- > Facilitating access to research, technology databases and dissemination of information
- > Providing opportunities for external agencies and individual to utilize the technical services on payment basis
- > Exploring all possible modes for generating revenue through technical consulting and services
- > Developing and nurturing international linkages for research and development.

Undertake extension activities through technology and science dissemination to the institution neighborhood for societal development.

Process and revenue sharing:

- > Offering various services in the Engineering Departments and to promote consultancy services and to take up the assignments from the public or industries
- > To develop sourcing relationship and to combine Consultancy services with research in Development of Products, Testing and Maintenance Services on chargeable basis.
- > The pricing of services depends upon the nature and shall be scrutinized by the Finance Committee before recommend for BOG approval
- Providing services at free of cost to the other institutions is strictly prohibited
 Engineering College
- > Heads of Department shall open a separate Bank Account to operate the funds generated through Consultancy and ensure to maintain proper books of accounts in this regard
- > In the event of any legal action/ dispute necessitating refund/payment of monies/fees by the client the amount shared to the staff is recoverable.
- > All legal issues shall be dealt with in the courts of Tirupati only.

The monies so collected shall be shared among the Institution, Department and Staff (both Teaching and Non Teaching) as mentioned hereunder:

1. Institution	: 40%
2. Department	: 10%
3. Head of the Department	: 10%
4. Faculty/Consultant	: 20%
5. Laboratory Technicians	
6. Consumables & Maintenance of Equipment	: 10%

PRINCIPAL
SREE VIDYANIKETHAN ENGINEERING COLLEGE
(AUTONOMOUS)
Sree Sainath Nagar, A. RANGAMPET
Chittoor (Dist.) - 517 102, A.P., INDIA.

PRUPATI



Ph:08554-272437 Fax:08554-272437 Mobile: 9908088806 Email:registrar@jntua.ac.in

PROCEEDINGS OF THE

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY ANANTAPUR (Established by Govt. of A.P., ACT No.30 of 2008)
ANANTHAPURAMU – 515 002 (A.P) INDIA

Present: Prof.M.Vijaya Kumar, M.Tech., Ph.D. REGISTRAR

Proc.No.A1/R & D/R.R.C/SVEC/2019-20

Date: 28.01.2020

Sub: JNTUA, Ananthapuramu – Research & Development – Recognition of Research Centres (RRC) for Computer Science & Engineering to "Sree Vidyanikethan Engineering College (Autonomous), A.Rangampet, Tirupathi " – Orders – Issued.

Read: 1) Inspection Committee report dt.07.01.2020

2) Note orders of the Vice-Chancellor dt.07.01.2020.

ORDER:

The Principal, Sree Vidyanikethan Engineering College (Autonomous), A.Rangampet, Tirupathi has submitted application for recognition of Research Centre to offer full-time Ph.D. Programme.

With reference to (1) read above, the Inspection Committee visited the above Institution on 16.08.2019 to verify the facts with regard to the Recognition of Research Centre for Ph.D. programme in the discipline of Computer Science & Engineering and submitted its report along with recommendations.

Based on the recommendations of the Inspection Committee, vide (2) read above, the Vice-Chancellor is pleased to grant permission for Recognition of Research Centre in the discipline of Computer Science & Engicering for Full-Time Ph.D. programme to "Sree Vidyanikethan Egineering College (Autonomous). A.Rangampet. Thirupathi" for a period of three years starting from the academic year 2019-20 to 2021-22. The department has to follow the rules and regulations of the University strictly. Every year the Institution has to pay Rs.20,000/- (Rupees twenty thousand only) towards registration fee.

To

The Principal, Sree Vidyanikethan Engineering College (Autonomous), A,Rangampet, Thirupathi.

Copy to the Chairman/Secretary. Sree Vidyanikethan Engineering College (Autonomous), A,Rangampet, Thirupathi.

Copy to Director, Admissions, JNTUA, Anantapuramu.

Copy to PA to Vice-Chancellor

Copy to PA to Rector



Ph:08554-272437 Fax:08554-272437 Mobile: 9908088806 Email:registrar@intua.ac.in

PROCEEDINGS OF THE JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY ANANTAPUR (Established by Govt. of A.P., ACT No.30 of 2008) ANANTAPUR – 515 002 (A.P) INDIA

Proc.No.A1/R & D Cell/Recognition of Research Centre/SVEC-12/2013-14

Date: 10-05-2013

Sub:- JNTUA, Anantapur - Research & Development Cell - Recognition of Research Centres (RRC) for E.C.E. for the academic year 2013-14 to Sree Vidyanikethan Engineering College", Sree Sainath Nagar, A.Rangampet, Near Tirupati, Chittoor Dist. - Orders - Issued.

Read:- 1. Univ.Procs.No.A2/permanent affiliation/SVEC-12/2012-13 dt.09.11.2012

2. Your application for recognition of Research Centre dt. 17.4.2013

3. University Proc.No.A1/Recognition/2012-13 dt.26.4.2013

4. Inspection Committee Report

5. Note orders of the Vice-Chancellor dt.10.05.2013

**

ORDER:

In the University proceedings vide (1) read above, the University has given Permanent Affiliation to "Sree Vidyanikethan Engineering College ",Sree Sainath Nagar, A.Rangampet, Near Tirupati, Chittoor Dist. for running M.Tech. Electrical & ECE courses for a period of three years from the academic year 2012-13.

Vide ref.(2) the College has submitted application for recognition of Reséarch Centrer to offer full time Ph.D. Programme.

With reference to (3) & (4) read above, the Inspection Committee visited the above Institution on 8.5.2013 to verify the facts with regard to the Recognition of Researh Centre for Ph.D. programme for the academic year 2013-14 and submitted its report along with recommendations.

Based on the recommendations of the Inspection Committee, vide (5) read above the Vice-Chancellor is pleased to grant permission for Recognition of Research Centre in the faculty of E.C.E. for Ph.D. programme for the academic year 2013-14 to "Sree Vidyanikethan Engineering College, Sree Sainath Nagar, A.Rangampet, Near Tirupati, Chittoor Dist." subject to submission of an undertaking, as per Annexure, on Rs.100/- Bond paper duly signed by the Principal & Chirman.

Encl: Anexure

To

REGISTRAR

The Principal,

Sree Vidyanikethan Engg. College, Sree Sainath Nagar, A.Rangampet, Near Tirupati, Chittoor (Dist.), - 517 325.

Copy to The Chairman/Secretary, Sree Vidyanikethan Educatioal Trust, Sri Sainath Nagar, A. Rangampet, Near Tirupati, Chandragiri (M), Chittoor Dist. – 517 102. A.P.

Copy to All the Directors of JNTUA, Anantapur & Principlas of Constituent Colleges.

Copy to PA to the Vice-Chancellor

Copy to PA to the Rector

Copy to PA to the Registrar



Ph:08554-272437 Fax:08554-272437 Mobile: 9908088806 Email:registrar@jntua.ac.in

PROCEEDINGS OF THE JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY ANANTAPUR (Established by Govt. of A.P., ACT No.30 of 2008) ANANTHAPURAMU – 515 002 (A.P) INDIA

Present: Prof.M.Vijaya Kumar, M.Tech., Ph.D.

REGISTRAR

Proc.No.A1/R & D/R.R.C/SVEC/2019-20

Date:28.01.2020

Sub: JNTUA. Ananthapuramu – Research & Development – Recognition of Research Centres (RRC) for **Electronics & Communication Engineering** to "Sree Vidyanikethan Engineering College (Autonomous), A.Rangampet. Tirupathi " – Orders – Issued.

Read: 1) Inspection Committee report dt.07.01.2020

2) Note orders of the Vice-Chancellor dt.07.01.2020.

ORDER:

The Principal, Sree Vidyanikethan Engineering College (Autonomous), A.Rangampet, Tirupathi has submitted application for recognition of Research Centre to offer full-time Ph.D. Programme.

With reference to (1) read above, the Inspection Committee visited the above Institution on 16.08.2019 to verify the facts with regard to the Recognition of Research Centre for Ph.D. programme in the discipline of **Electronics & Communication Engineering** and submitted its report along with recommendations.

Based on the recommendations of the Inspection Committee, vide (2) read above, the Vice-Chancellor is pleased to grant permission for Recognition of Research Centre in the discipline of **Electronics & Communication Engineering** for **Full-Time** Ph.D. programme to "Sree Vidyanikethan Egineering College (Autonomous), A,Rangampet, Thirupathi" for a period of three years starting from the academic year 2019-20 to 2021-22. The department has to follow the rules and regulations of the University strictly. Every year the Institution has to pay Rs.20,000/- (Rupees twenty thousand only) towards registration fee.

To

The Principal, Sree Vidyanikethan Engineering College (Autonomous). A,Rangampet, Thirupathi.

Copy to the Chairman/Secretary. Sree Vidyanikethan Engineering College (Autonomous).

A,Rangampet, Thirupathi.

Copy to Director, Admissions, JNTUA, Anantapuramu.

Copy to PA to Vice-Chancellor

Copy to PA to Rector



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PROCEEDINGS OF THE JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY ANANTAPUR (Established by Govt. of A.P., ACT No.30 of 2008) ANANTHAPURAMU – 515 002 (A.P) INDIA

Present: Prof.S.KRISHNAIAH, REGISTRAR

Proc.No.A1/R & D/Recognition of Research Centre/SVEC/2016-17

Date:12.01.2017

Sub: JNTUA, Ananthapuramu – Research & Development – Recognition of Research Centres (RRC) for **ECE**, **Electrical & CSE** to "Sree Vidyanikethan Engg. College, A.Rangampet, Tirupati - Orders – Issued.

Read: 1. Inspection Committee Report dt. 22.11.2016 2. Note orders of the Vice-Chancellor dt.14.12.2016.

ORDER:

The Principal, Sree Vidyanikethan Engg. College, A.Rangampet, Tirupati has submitted application for recognition of Research Centre to offer full-time Ph.D. Programme.

With reference to (1) read above, the Inspection Committee visited the above Institution on 22.11.2016 to verify the facts with regard to the Recognition of Research Centre for Ph.D. programme in the discipline of ECE, Electrical & CSE and submitted its report along with recommendations.

Based on the recommendations of the Inspection Committee, vide (2) read above the Vice-Chancellor is pleased to grant permission for Recognition of Research Centre in the discipline of ECE, Electrical & CSE for Full-Time Ph.D. programme to "Sree Vidyanikethan Engg. College, A.Rangampet, Tirupathi" for three years starting from the academic year 2016-17 to 2018-19. The department has to follow the regulations strictly. After three years they have to apply for renewal by paying Rs.25,000/- (Rupees twenty thousand only) as Inspection fee. Eligible list of Supervisors is enclosed herewith.

For REGISTRAR

To

The Principal, Sree Vidyanikethan Engg. College, A.Rangampet, Tirupati Copy to The Chairman/Secretary, Sree Vidyanikethan Engg. College, A.Rangampet, Tirupati Copy to Director, Admissions, JNTUA, Anantapuramu.

THAN ENGINEE

Copy to PA to Vice-Chancellor

Copy to PA to Rector

Copy to PA to Registrar



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PROCEEDINGS OF THE

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY ANANTAPUR (Established by Govt. of A.P., ACT No.30 of 2008) ANANTAPUR – 515 002 (A.P) INDIA

Proc.No.A1/R & D Cell/Recognition of Research Centre/SVEC-12/2013-14

Date: 10-05-2013

Sub:- JNTUA, Anantapur -- Research & Development Cell -- Recognition of Research Centres (RRC) for Electrical Engineering for the academic year 2013-14 to "Sree Vidyanikethan Engineering College", Sree Sainath Nagar, A.Rangampet, Near Tirupati, Chittoor Dist. - Orders -- Issued.

Read:- 1. Univ.Procs.No.A2/permanent affiliation/SVEC-12/2012-13 dt.09.11.2012

2. Your application for recognition of Research Centre dt. 17.4.2013

3. University Proc.No.A1/Recognition/2012-13 dt.26.4.2013

4. Inspection Committee Report

5. Note orders of the Vice-Chancellor dt.10.05.2013

**

ORDER:

In the University proceedings vide (1) read above, the University has given Permanent Affiliation to "Sree Vidyanikethan Engineering College ",Sree Sainath Nagar, A.Rangampet, Near Tirupati, Chittoor Dist. for running M.Tech. Electrical & ECE courses for a period of three years from the academic year 2012-13.

Vide ref.(2) the College has submitted application for recognition of Research Centrer to offer full time Ph.D. Programme.

With reference to (3) & (4) read above, the Inspection Committee visited the above Institution on 8.5.2013 to verify the facts with regard to the Recognition of Researh Centre for Ph.D. programme for the academic year 2013-14 and submitted its report along with recommendations.

Based on the recommendations of the Inspection Committee, vide (5) read above the Vice-Chancellor is pleased to grant permission for Recognition of Research Centre in the faculty of Electrical Engineering for Ph.D. programme for the academic year 2013-14 to "Sree Vidyanikethan Engineering College, Sree Sainath Nagar, A.Rangampet, Near Tirupati, Chittoor Dist." subject to submission of an undertaking, as per Annexure, on Rs.100/- Bond paper duly signed by the Principal & Chirman.

Encl: Anexure

REGISTRAR

То

The Principal,

Sree Vidyanikethan Engg. College, Sree Sainath Nagar, A.Rangampet, Near Tirupati,

Chittoor (Dist.), - 517 325.

Copy to The Chairman/Secretary, Sree Vidyanikethan Educatioal Trust, Sri Sainath Nagar, A. Rangampet,

Near Tirupati, Chandragiri (M), Chittoor Dist. - 517 102. A.P.

Copy to All the Directors of JNTUA, Anantapur & Principlas of Constituent Colleges.

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JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY ANANTAPUR (Established by Govt. of A.P., ACT No.30 of 2008)
ANANTHAPURAMU – 515 002 (A.P) INDIA

Present: Prof.M.Vijaya Kumar, M.Tech., Ph.D.

REGISTRAR

Proc.No.A1/R & D/R.R.C/SVEC/2019-20

Date: 28.01.2020

Sub: JNTUA, Ananthapuramu - Research & Development - Recognition of Research Centres (RRC) for Electrical & Electronics Engineering to "Sree Vidyanikethan Engineering College (Autonomous), A.Rangampet, Tirupathi " - Orders - Issued.

Read: 1) Inspection Committee report dt.07.01.2020

2) Note orders of the Vice-Chancellor dt.07.01.2020.

ORDER:

The Principal. Sree Vidyanikethan Engineering College (Autonomous), A.Rangampet, Tirupathi has submitted application for recognition of Research Centre to offer full-time Ph.D. Programme.

With reference to (1) read above, the Inspection Committee visited the above Institution on 16.08.2019 to verify the facts with regard to the Recognition of Research Centre for Ph.D. programme in the discipline of Electrical & Electronics Engineering and submitted its report along with recommendations.

Based on the recommendations of the Inspection Committee, vide (2) read above the Vice-Chancellor is pleased to grant permission for Recognition of Research Centre in the discipline of Electrical & Electronics Engineering for Full-Time Ph.D. programme to "Sree Vidyanikethan Egineering College (Autonomous), A,Rangampet, Thirupathi" for a period of three years starting from the academic year 2019-20 to 2021-22. The department has to follow the rules and regulations of the University strictly. Every year the Institution has to pay Rs.20,000/- (Rupees twenty thousand only) towards registration fee.

To

The Principal, Sree Vidyanikethan Engineering College (Autonomous), A,Rangampet, Thirupathi.

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