SRI VENKATESWARA UNIVERSITY COLLEGE OF ENGINEERING

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Accredited by NBA(2016-2022)

SVUCE Estd. 1959   **Department of ECE Estd. 2011**

2022

VISION OF THE DEPARTMENT:

To be a lead department imparting quality and value embedded higher education and research emphasizing freedom of learning and practice.

MISSION OF THE DEPARTMENT:

1. Transforming students into full-fledged professionals and to become leaders in dynamic global environment.
2. Augmenting knowledge and technologies in rapidly advancing fields of Electronics and Communication Engineering.
3. Promoting in depth research and create centre of excellence in thrust areas.

ABOUT

Electronics and Communication Engineering (ECE) is an emerging stream that offers firm promises to advance students career an edge. Studying this domain of engineering would mean mastering the skills related to electronics and communication engineering as well as having an insight into the world of software skills.

The Under Graduate Programme (UG) in Electronics and Communication Engineering (ECE) was started under the Department of Electrical and Electronics Engineering (EEE) in 1971 with an intake of 30.

After a long co-existence with Department of Electrical and Electronics Engineering(EEE), due to administrative reasons and anticipated accelerated growth, it got separated and formed as Department of Electronics and Communication Engineering on 21-09-2011, to meet the requirements of the emerging trends in Electronics as well as communications for bright needs of the students, industry and society at large.

At Present, the Department is offering two UG Programmes, B.Tech (ECE) both Regular & Self-Supporting with an intake of 60 and two PG Programmes 1. M.Tech in Communication Systems started in 2011-12 with an intake of 18 and enhanced to 24 in 2014-15 2. M.Tech in Signal Processing started in 2013-14 with intake of 18 and enhanced to 24 in 2014-15 besides offering Full-time/ Part-time Research Programme. Both B.Tech (ECE) Regular and M.Tech in Communication Systems Programmes are accredited with NBA. It has well equipped laboratories. The Department also provides Research guidance based on the specialized area and continuously producing the Doctor of Philosophy Degrees (Ph.D). The ECE Department is closely working with National Atmospheric Research Laboratory (NARL, Gadanki). The department is offering consultancy to Tirumala Tirupati Devasthanams (TTD) and Amararaja Power Systems.

Head of the Department : **Prof. G. Umamaheswara Reddy**
Chairman, Board of Studies (PG) : **Prof. G. Sreenivasulu**
Chairman, Board of Studies (UG) : **Prof. B. Anuradha**

Faculty Profile

Dr. S. Narayana Reddy, Professor
Dean, Faculty of Engineering
Former Principal, SVUCE
snreddysvu@yahoo.com
His research interest includes Signal Processing, Antenna Design, Remote Sensing etc.

Dr. R.V.S. Satyanarayana, Professor
Principal, SVUCE
v.s.ravinutala@gmail.com
He is the Convener, APPGECET-2021 and 2022, including admissions. His Research Interests include Communications and Bio-Medical Engineering etc.
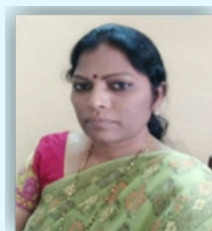
Dr. G. Sreenivasulu, Professor
gunapatieee@rediffmail.com
His research interests include Neural networks and Fuzzy logic applications in process control, Process Instrumentation, Analog Electronics, Digital electronics

Dr.S.Varadarajan,,Professor
varadasouri@gmail.com
He worked as Secretary, Andhra Pradesh State Council of Higher Education from Jan'2016 to Aug'2019. His Research interests include Radar Signal Processing, Image Processing, Antenna Design, Remote Sensing.

Dr. B. ANURADHA, Professor
anubhuma@yahoo.com
Her research interest includes Digital Image Processing, Speech processing, remote sensing and Biomedical signal processing.

Dr.T.Ramashri, Professor
rama_jaypee@rediffmail.com
Her Research Interests include Signal Processing, Image Processing, Micro-Electronics, Network Security, VLSI, Communication Networks

Dr. G.Umamaheswara Reddy, Professor
umaskit@gmail.com
His research areas include Signal Processing, Biomedical Signal Processing , VLSI design etc.He is working SPOC for the SVUCE SWAYAM – NPTEL Local Chapter ID: 3297 since 11-11-2019 and rated as AA by NPTEL Coordinator, IIT Madras, Chennai up to now.

Dr. T. Sreenivasulu Reddy, Professor
meetu.sreenandhini@gmail.com
His research Interest include Radar Signal Processing, Image Processing etc.

Dr. S. Swarnalatha, Professor
swarnasvu09@gmail.com
Her research Interest includes Image Processing.

Dr. I. Kullayamma, Associate Professor
ikusuma96@gmail.com
She is Member of IETE. Her research interest includes Image Processing, Neural networks and Fuzzy logic applications etc.

Dr. D.Gowri Sankar Reddy,
Assistant Professor
gowri.durgam@gmail.com
Dr. D. Gowri Sankar Reddy research interests include Neural Networks and Fuzzy logic Systems, Image compressions and computer

- A patent has been granted to the patentee -
 1.Dr.C.CHANDRASEKHAR, Research Scholar
 2.Dr.S.NARAYANA REDDY, Professor
 for an invention entitled: **Design and Performance Analysis of Discrete Wavelet Transform based Image Fusion and Compression for Micro Air Vehicle Applications** on 30-01-2023.

Academic Consultants : **06**

Office Staff : **02**

Technical Staff : **06**

Courses offered:

S.No.	Programme	Intake
1.	B.Tech (Electronics and Communication Engineering)	60
2.	B.Tech (Electronics and Communication Engineering) – Self Supporting	60
3.	M.Tech (Communication Systems)	24
4.	M.Tech (Signal Processing)	24

Laboratories in the Department:

1. Electronic Devices and Circuits Lab
2. IC Applications Lab
3. DSP Lab
4. Communications Lab
5. VLSI Lab
6. Microwave Techniques and Optical Communication Lab
7. Microprocessors Lab
8. Electronic Instrumentation Lab

Ph.D's Awarded

S. No.	Name of the Faculty	Designation	Experience in Years	No. of M.Tech Award	No. Ph.Ds Awarded
1.	Prof. T. Venkateswarlu (Retired on 31-07-2019)	Professor	33	00	04
2.	Prof. S. Narayana Reddy	Professor	33	15	07
3.	Prof. R.V.S. Satyanarayana	Professor	34	04	05
4.	Prof.G.Sreenivasulu	Professor	29	13	05
5.	Prof .S.Varadarajan	Professor	29	02	08
6.	Prof B. Anuradha	Professor	29	10	10
7.	Prof.T.Ramashri	Professor	30	09	10
8.	Prof. G. Umamaheswara Reddy	Professor	26	09	04
9.	Prof. T. Srinivasulu Reddy	Professor	29	11	04
10.	Dr. S. Swarnalatha	Professor	21	05	00
11.	Dr. I. Kullayamma	Associate Professor	23	17	00
12.	Dr. D.Gowri Sankar Reddy	Assistant Professor	16	04	00

Ph.D's Awarded Fellowships

S.No.	Academic Year	Number of Fellowships
1.	2017-18	--
2.	2018-19	02
3.	2019-20	03
4.	2020-21	02
5.	2021-22	--

Department Project

Funding Agency	Amount Rs. (in Lakhs)	Duration
DST-FIST	43.00	07-07-2015 to 06-07-2020

Students Achievements, Placements , Higher Studies & Sports.

UG Students:

S.No.	Year of Exit	No. of Students admitted	No. of Students passed	Percentage (%)	Placements	Higher Studies
1.	2016-17	44	44	100	26	6
2.	2017-18	64	63	98.4	28	7
3.	2018-19	66	37	97.3	22	4
4.	2019-20	72	64	96.9	36	11
5.	2020-21	73	68	94	30	6
6.	2021-22	66	No Result		45	12

PG Students:

S.No.	Year of Admission	No. of Students admitted	No. of Students passed	Percentage (%)	Placements	Higher Studies
1.	2014-15	50	44	88	06	04
2.	2015-16	48	40	83	08	--
3.	2016-17	23+20=43	27(15+12)	62.8	04	01
4.	2017-18	20+18=38	15(12+13)	39.5	03	--
5.	2018-19	21+16=37	31(19+12)	83.8	04	--
	2019-20	19+14=33	09(2+7)	27.3	03	--
7.	2020-21	14+14 = 28	--	--	01	--
8.	2021-22	08+06 = 14	--	--	--	--

Students Achievements :

Academics:

- **Pooja Sree.M has secured All India 2nd rank in GATE-2021**
- **Mattam Sai has secured All India 23rd rank in GATE-2021**
- **Palapati Suneel Reddy has secured All India 2nd rank in JAM-2022**

Sports:

The Above students have represented Sri Venkateswara University in the South-Zone Inter University Tournaments held at various Places:

- *Bathala Karthik* (IIIrd B.Tech) Ball badminton held at Mangalore University, Mangalore from 13/01/2023.
- *Lavadia Gopal Naik* (IIIrd B.Tech) Table Tennis held at Christ University, Bangalore from 02/01/2023.
- *B. Naga Harshitha* (IInd B.Tech) Table Tennis held at Jain University, Bangalore from 14/11/2022.

ABOUT CENTRE OF EXCELLENCE:

Sri Venkateswara University College of Engineering has been selected as one among the two institutions in the state of Andhra Pradesh for the establishment of Centre of Excellence (CoE) in Atmospheric Remote Sensing and Advanced Signal Processing an interdisciplinary Project with a Budget of Rs. 5.00 Crore involving the Department of Electronic & Communication Engineering and Civil Engineering under Technical Education Quality Improvement Programme (TEQIP) aided by Ministry of Education (earlier MHRD) through World Bank. Good research equipments are available at Center of excellence like High Performance Computer and L-band Satellite Receiver.

Awards

1. Prof. S. Narayana Reddy — Andhra Pradesh State Best Teacher Award -2019
2. Prof. R.V.S. Satyanarayana — Andhra Pradesh State Best Teacher Award -2022 ; Best Engineering College Principal State Award by ISTE -2021
3. Prof. G. Sreenivasulu — Eminent Engineer Award -2019 by The Institution of Engineers (India), TPTLC.
4. Prof.T.Ramashri — Best Women Engineering Teacher State Award by ISTE -2021.

Andhra Pradesh State Best Teacher Award -2019 to Prof. S. Narayana Reddy- Subject wise category in Engineering on 5th September,2019.

Eminent Engineer Award -2019 to Prof. G. Sreenivasulu in Recognition of His Distinguished services to Engineering Profession

ECE Association Inaugural Function on 23rd March, 2022 At MB Room No. 107

Social Awareness Programme on E-Waste-Environmental Protection by NCC-Cadets of II B.Tech (ECE) in Thummalagunta Village, Tirupati Rural (M) on 27th May, 2022

Coding Contest was conducted on 18th August, 2022

Felicitation to Prof. G. Umamaheswara Reddy SPOC, SWAYAM-NPTEL Local Chapter (Id:3297), SVUCE with a rating of 'AA' in South Zone SPOC Felicitation Workshop at IIT Madras, Chennai on 25th June, 2022.

Andhra Pradesh State Best Teacher Award -2022 to Prof.R.V.S. Satyanarayana on 5th September,2022.

Contact Details:
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Sri Venkateswara University College of Engineering
Sri Venkateswara University, Tirupati –517502
Tirupati (Dist), Andhra Pradesh.