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DEPARTMENT OF ELECTRONICS AND COMMUNICATION

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Vision

- Producing competent engineers with innovative ideas to meet the global needs and standards.

Mission

- **M1.** To produce graduates with technical expertise, professional attitude & ethical values.
- **M2.** To reform the potency of Engineering through exploration-based learning.
- **M3.** To create a passion amongst students for contributing to research by providing industry-oriented training
- **M4.** To inculcate in the graduates, the thirst for self-learning & guide them to obtain knowledge in their chosen field

About the Department



Dr.T. N. Prabakar

Professor & Head

Department of Electronics and Communication Engineering was established in the institution during 1997. The department is affiliated to VTU, Belgaum, approved by AICTE. The Department Offers UG courses, and has been recognized as “Research Centre” by VTU. The department is strengthened with qualified Professors, Associate Professors, Asst. Professors and technical staffs. Apart from the academic events department also oversees the overall development activities. The students are being provided with training, certification programs, industrial visits, periodic technical talks, workshops, conferences, empowering employability skills.

Department Activities

Funds

Sl. no	Project Title	Funding Agency	Amount	Principal Investigator	Co Principal investigator
1	FDP	VGST	Rs.2 lakhs	Prof. Aruna R	Prof. N.Santosh Kumar
2	Smart Dustbin for future management	VGST	Rs.3 lakhs	Dr. B. Srilatha	Prof H.R. Halesha
3	Medical Assistance Droid	VTU	Rs.5000/-	Dr. T. N. Prabhakar	-
4	Smart Irrigation with Robot	VTU	Rs.5000/-	Prof. Sivaprakash C	-

Workshop / Seminar / Conference/ Technical Talks

Online Quiz on SUSTAINABLE DEVELOPMENT GOALS

Organized by **Sai SAI RAM COLLEGE OF ENGINEERING**
(Accredited by NAAC - An ISO 9001:2015 Certified Institution)
 Anekal, Bengaluru. www.sairamce.edu.in

Department of Electronics & Communication Engineering

Online Quiz Scheduled from 02.07.2020 to 05.07.2020

Registration link: <https://forms.gle/2JZAN0ZyDMMq>

Who can participate:
Anyone who wish to contribute towards the SDGs

Accredited by NAAC

Program Coordinator: Prof. Aruna R
 Program Convener Prof. & Head, ECE: Prof. Sivaprakash C
 Principal: Dr. B. Shadaksharappa
 Chairman & CEO, Sairam Institutions: Sri Sai Prakash LeoMuthu

Webinar on My Story: "How to become a Successful Entrepreneur"

Organized by **Sai SAI RAM COLLEGE OF ENGINEERING**
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Department of Electronics & Communication Engineering

Guest Speaker
Praveen Kumar P
Alumnus - ECE-2010 Batch
 Proprietor, VEGA Industries Bangalore

Schedule: 16th December 2020
 10.30AM to 11.30AM

Prof. Aruna R
 Coordinator

Prof. C Sivaprakash
 HOD-ECE

Dr. B. Shadaksharappa
 Principal

Sri. Sai Prakash LeoMuthu
 Chairman & CEO, Sairam Institutions

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 Chairman & CEO, Sairam Institutions: Sri Sai Prakash LeoMuthu

- SDG quiz organized on 02.07.2020 & 07.07.2020

- Webinar – on “my story: how to become a Successful entrepreneur on 17.12.2020

Guest lecture and Hands-on
"Digital Image Enhancement and Restoration Techniques using MATLAB"

Organized by
 Department of Electronics & Communication Engineering

Schedule: 28th November 2020
 10.00AM to 12.00PM

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 NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL

Guest Speaker

Keerthi Kulkarni
 Asst. Prof, Dept. of ECE
 BNMIT

Prof. Anura R
 Coordinator

Prof. C Sivaprakash
 HOD-ECE

Dr. B. Shadaksharappa
 Principal

Sri. Sai Prakash LeoMuthu
 Chairman & CEO, Sairam Institutions

Logos: ETE, MAE'S INNOVATION CELL, ANTE, INSTITUTION'S INNOVATION COUNCIL, Sairam

Organizers: MHRD, MIC, Persistent, National Partners, AWS

Certificate For MENTOR

This Certificate is awarded to
Dr. Srilatha B
 of team INCOGNITO2020
 For Participating as Mentor in
"Smart India Hackathon 2020"

SMART INDIA HACKATHON 2020
 SOFTWARE EDITION
 Grand Finale
 2nd & 3rd Aug. 2020

Signatures: [Handwritten signatures]

Guest Lecture and Hands on program on “Digital Image Enhancement and Restoration Techniques using MATLAB 30.11.2020

SMART INDIA HACKATHON

Dr. Srilatha B of team INCOGNITO 2020 is awarded with title as “MENTOR” for participating in “Smart India Hackathon 2020 July 2020 under the journal name Journal of critical review

Paper Publications.

1. Mr. Sivaprakash C, B Srilatha, Savitha.H.S, Deepa.R, G.V.Raja has published a paper titled “EXTRACTION OF EXUDATES USING IMPROVED MEDIAN FILTER AND IMPROVED FUZZY CLUSTERING METHOD” in the year August 2020 under the journal name Journal of critical reviews indexed in SCOPUS.
2. Dr. A. POONGUZHALI and SAVITHA. H.S have published a paper titled “BINARY SIFT INVARIANT FEATURE TRANSFORM FOR LARGE SCALE IMAGE SEARCH” in the year 2020
3. Ms.P.Gowri,Ms.Geetha.R,Ms.Suganya.Ms.K.P.Linija Shylin, has published a paper titled “Early Glaucoma Diagnosis using Fundus Images -Review” in the year 2020 under the journal name Journal of critical reviews, indexed in SCOPUS

4. Ms.P.Gowri,Ms.Geetha.R,Ms.Suganya.Ms.K.P.Linjia Shylin, has published a paper titled “Early Glaucoma Diagnosis using Fundus Images -Review” in the year 2020 under the journal name Journal of critical reviews, indexed in SCOPUS.

5. DR. T.N Prabakar has published a paper titled “Novel routing structure with local monitoring-Route scheduling and planning manager,in Ecological wireless Sensor network., Review” in the year Nov 2020 under the journalname Journal of Environmental protection and ecology reviews, indexed in SCI

FDP's attended

Sl No	Name	Name of Event	Date	No of Days	Name of Institution
1	Mr.G. V Raja	OBE & its impact on accreditation process	06.7.2020	5	RV College Of Engineering
2	Mr.Santoshkumar N	OBE & its impact on accreditation process	06.7.2020	5	KV College Of Engineering
3	Ms.Aruna R	OBE & its impact on accreditation process	06.7.2020	5	GATES Institute Of Technology
4	Dr.A.Poonguzhali	mmWave Antenna Design and Testing For Biomedical Applications	19.10.2020	6	Rajalakshmi Institute Of Technology , Chennai
5	Dr.A.Poonguzhali	Data Sciences	9.7.2020	5	All India Council For Technical Education , New Delhi
6	Dr.A.Poonguzhali	Block Chain	12.7.2020	5	All India Council For Technical Education , New Delhi
7	Dr.A.Poonguzhali	Research And Development Activities	28.12.2020	3	Sri Sairam College Of Engineering , Bengaluru
8	Dr.A.Poonguzhali	Intelluctual Property	14.12.2020	6	CMR Institute Of Technology , Bengaluru
9	Mr.P.Venugopal	Research Trends In Computer Science And Engineering	14.12.2020	6	Sri Dharmasthala Manjunatheshwara College Of Engineering And Technology
10	Mr.P.Venugopal	Creative Thinking	24.11.2020	5	ICT Academy
11	Mr.Santhosh Kumar.N	Data Science In Digital Economy	16.8.2020	4	Vidyavardhaka College Of Engineering , Mysuru
12	Dr.Prabakar.T.N	Universal Human Value On The Theme	21.9.2020	5	All India Council For Technical Education , New Delhi

Patent Filed

Sl No	PatentNo.	Status of Patent (Published / Granted)	Inventor/s Name	Title of the Patent	Applicant/s Name	Patent Filed Date (DD/MM/YYYY)	Patent Published Date / Granted Date (DD/MM/YYYY)
1	202041056173 A	Published	1.Dr.B.Shadaksharappa 2.Dr.R.Arun Kumar 3.Dr.T.N.Prabakar 4.Dr.Gangavathi P 5.Sivaprakash . C 6.Bheemeswara Reddy 7.Malini.K V 8.Balaji. V 9.Dr.P.Bindu Madhavi 10.Raghavendra Rao B Kulkarni	Smart beam forming on Visible Light Communication to secure the Network against Eavesdropping from Anonymous Location	1.Dr.B.Shadaksharappa 2.Dr.R.Arun Kumar 3.Dr.T.N.Prabakar 4.Dr.Gangavathi P 5.Sivaprakash . C 6.Bheemeswara Reddy 7.Malini.K V 8.Balaji. V 9.Dr.P.Bindu Madhavi 10.Raghavendra Rao B Kulkarni	24-12-2020	01-01-2021

MOU initiatives

Organisation with which MoU is signed	Year of signing MoU	Duration	List the actual activities under each MOU year wise
M/S Ed GATE TECHNOLOGIES PVT Ltd.	Signed on 23/12/2015 Renewed on 10/01/2019	Active (No expiry)	Workshop on Embedded Systems Design using MSP430
GENED TECHNOLOGIES	Signed on 28/11/2019	Active (No expiry)	Workshop on Design Thinking