



DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

About the Department

The Department of Electronics and Communication Engineering was established in the year 1997 with an intake of 60 for UG. Further intake has been increased to 120. The department has excellent facilities and has well equipped laboratory and a team of well experienced and highly qualified faculty members who are committed to their profession. The highly motivated faculties encourage the students to give their best, strive to provide them all around knowledge in theory, practical work and guide them in all other academic and Co curricular activities.

University Gold Medal:

Our department Student, Ms. Bindhu. S has bagged 5 Gold Medals under Vishvesvaraya Technological University, Belagum in the year 2018. The 5 Gold medals are

1. Dr.N R Shetty Gold Medal
2. SJCE Silver Jubilee-1988 Gold Medal
3. R N Shetty Gold Medal
4. Jyothi Gold Medal and
5. VTU Gold Medal.



In this regard our Chief Executive Officer Honoured our students Ms. Bindhu. S with 24 carat Gold Medal during the 17th Graduation day held in our College campus.



AICTE – SIH – 2018:

In order to work towards our PM's vision, MHRD, All India Council for Technical Education (AICTE), Inter Institutional Inclusive Innovation Center (i4C), and Persistent Systems organized Smart India Hackathon 2018, a unique initiative to identify new and disruptive digital technology innovations for solving the challenges faced by our country. The initiative was a huge success. Smart India Hackathon 2018 is a non-stop digital product development competition, where problems are posed to technology students for innovative solutions. Smart India Hackathon 2018 will have 2 sub-editions – Software as well as Hardware: **Software Edition** had been 36 hour software product development competition and The **Hardware Edition** has been teams will be work for 5





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straight days and build their hardware solutions. This competition had limited to only 5 nodal centers with 20-25 teams each.

In this precious event our students team entitled “Electro Passion” had participated in Grand Finale held at Welinger Institute of Management and Research, Mumbai. Our team has completed the task by given the required solution to the food ministry and won **1 Lakh Cash award** with a trophy.

Smart India Hackathon 2019 is a nationwide initiative to provide students a platform to solve some of pressing problems we face in our daily lives, and thus inculcate a culture of product innovation and a mindset of problem solving. In this Precious event 3 teams of our ECE students were Participated and given a tough Competition and bagged their certificate.



DESIGN OF SATELLITE AT SINGAPORE SPACE CHALLENGE 2019 –SINGAPORE

The Singapore Space Challenge (SSC) is a highly anticipated national space design competition that challenges student teams to leverage space technology. The challenge is held annually and is organized by the Singapore Space and Technology Association (SSTA). We got selected for the event Space Challenge 2019 at Singapore. We have presented our project Design of a satellite for disaster management project during the award ceremony held at Singapore on 15.02.2019.



Funded Project for the Academic Year 2018-2019

- ❖ Audio Transmission over Visible Light. Students have presented this project in the EXPO organized by VTU, Belagavi.
- ❖ Anti-poaching of trees using wireless sensor nodes with internet of things (IOT) have presented this project in the EXPO organized by VTU, Belagavi and KSCST, Govt. of Karnataka.





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Funded Project Details:

FINANCIAL YEAR	2018-2019	2017-2018	2016-2017	2015-2016
Total no. of Sponsored Project	03	05	02	02
Total no. of funding agencies	03 (KSCST & VTU)	02 (VTU & KSCST)	02 (IEDC & KSCST)	02 (IEDC & VGST)
Total amount received (in Rupees)	17,000	25,000	1,06,000	1,30,000

DRDO projects

1. Cognitive sensors perimeter based investigation.
2. Drone supply Ammunition and Med kits.

VTU Funded Projects - 2018-2019

- | | | |
|---|--|---------|
| 1 | Anti-poaching of trees using wireless sensor nodes with Internet of Things (IOT) | 5000.00 |
| 2 | Public Addressing System for Railway stations in Bengaluru Li-Fi | 5000.00 |

Patents Published by the department: 04

Patents Published: 02 in the Year 2018.

Title of the invention : 1

Patent Application Publication

Date of Filing the Application

Date of Publication

The Patent Office Journal No.

A Wheezing Detection Device

Application No: 201841036882 A

28/09/2018

12/10/2018

41/2018 Dated: 12/10/2018

Title of the invention: 2

Patent Application Publication

Date of Filing the Application

Date of Publication

The Patent Office Journal No.

Flood Drainage System

Application No: 201841042709

13/11/2018

23/11/2018

47/2018, dated: 23/11/2018



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Patents Published: 02 in the Year 2019.

Title of the invention: 3	Domestic Birds Protective System
Patent Application Publication	Application No: 201941001507
Date of Filing the Application	13/01/2019
Date of Publication	18/01/2019
The Patent Office Journal No.	03/2019, dated: 18/03/2019
Title of the invention: 4	Quantum Computing based system and Method for Geometry recognition of an object
Patent Application Publication	Application No: 201941001501
Date of Filing the Application	12/01/2019
Date of Publication	25/01/2019
The Patent Office Journal No.	04/2019, dated: 25/03/2019