V.V. Sangha's

Rao Bahadur Y. Mahabaleswarappa Engineering College, Ballari.

Department of Electronics & Communication Engineering

TALENTRONIC TIMES

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E&CE Department

Mr. Balaji has secured First Place, with Gold Medal in "IMAS World Kumite Championship – 2019".

Mrs.Farhana Tabassum, Deputy Project Director, Electrical Systems for GISAT, ISRO,VEC E&CE Alumni 2000 Batch being felicitated on Annual Alumni Meet "Apporva Milana" on 19/01/2019.

ABOUT THE INSTITUTION

Rao Bahadur Y Mahabaleswarappa Engineering College was established in 1980, under the aegis of the Veerasaiva Vidyavardhaka Sangha, Ballari.

The Institute is affiliated to VTU, Belagavi approved by AICTE, New Delhi. The institute offers 8 UG, 7 PG programs and 6 Research centres. The institute has excellent sports facilities, well equipped labs and digital class rooms & in addition it has separate hostel facilities for boys & girls. The Institute is located 50 Kms away from the world famous historical place "Hampi".

LAURELS OF E&CE DEPARTMENT

The Department of Electronics and Communication Engineering is established in the year 1983 with an intake of 40. Presently the intake is 120 with a PG course in Digital Communication & Networking and Research Centre. The department was accredited twice by NBA, New Delhi.

The department is well equipped with state-of-the-art laboratories and research facilities, organizing various Workshops, Seminars/Symposiums & Placement Training's. The Department has procured Rs.50 Lakhs under MODROBS scheme AICTE, NEW DELHI, Rs 20 lakhs Grant from VGST scheme of KFIST Level(1) & KSCST Projects sponsorship of Rs.63,000.

Twelve students of the department have bagged Gulburga University Ranks & three VTU State Ranks. Two Faculties are awarded with State level VTU Ranks for Post Graduate Studies.

Words of Wisdom

Work like you don't need the money, Love like you've never been hurt, Dance like nobody's watching.

--Leroy Satchel Paige

Forget the failures. Keep the lessons.

--Dalai Lama.

Sometimes one day changes everything; sometimes years change nothing.

--Irish Saying.

Take risks in your life. If you win, you can lead! If you lose, you can guide!

--Swami Vivekananda

Words of Wisdom

Alone we can do so little; together we can do so much.

--Helen Keller

My key to dealing with stress is simple: just stay cool and stay focused.

--Ashton Eaton

QUOTE OF THE ISSUE

Fill the brain with high thoughts, highest ideals place them day and night before you and out of that will come great work.

--Swami Vivekananda

EVENTS ORGANIZED

Sl. No	Event Details
1	**"Orientation Program"** for 3rd Sem Students was organized on 6th Aug 2018.
2	**"Teachers day"** was celebrated in the month of September 2018.
3	Workshop on **"Multisim Software"** was organized for 3rd Sem Students on 22nd September 2018.
4	3 days workshop on **"Engineering & Society"** -Life, Health & Happiness was organized for 5th Sem students from 24th to 26th September 2018.
5	Workshop on **"Entrepreneurship & Development"** was organized for 7th Sem students on 29th September 2018.
6	**Parents Meet** was held on 29th September 2018.
7	**"Seminar on ieee explorer"** was organized on October 6th 2018.
8	**"Mini Project Exhibition Competition"** was organized on October 13th 2018.
9	**"Department Alumni meet"** was organized on 27th October 2018.
10	**"Academic Audit"** by Dr.Mohamed Rafi on December 17th 2018.
11	**"SAR Audit"** by Dr.Maya Karki on January 4th 2019.
12.	Annual Alumni Meet **"Apporva Milana-2018"** was held on January 19th 2019.

"Teachers day" was celebrated in the month of September 2018.

NEWS ABOUT STUDENT PERFORMANCE

TOPPERS OF DEPARTMENT

Position	3rd Sem	SGPA	5th Sem	SGPA	7th Sem	SGPA
1	CHETANA G	9.26	TAHREEM NAAZ	8.15	DHEERAJ P	8.50
2	SOUNDARYA V S	9.15	P RACHANA PRIYA	8.04	DILIP A	8.46
			SUHAILA JABEEN			
			VANDANA K			
3	RAMSHA NASHATH	8.89	MUSHAHIRA	8.00	K KAVYA	8.08
	SAI KRISHNA M					

ACHIEVEMENTS MADE BY STUDENTS IN ACADEMICS

1. Third Year Students Ms. Mushahira & Ms. Tatti Pragnya Secured 2nd place in **"World Space Week 2018 Celebrations"** organized by SDSC SHAR ISRO, Sriharikota and held on 10th October 2018 held at BITM Ballari.

2. Final Year Student Ms.Harshita has secured 3rd Place in Elocution competition, organized by LIC Ballari on 03rd November 2018.

3. Ms. Sai Kavya, Ms. Mushahira & Mr. Manoj T Selected for certificate course on IoT : Sensor to Cloud a 12 weeks training Under VTU-NASD, GOK Scheme in association with ek-lakshya academy Hubbali.

4. Second Year Students Participated in Quiz Competition at BITM Ballari organized by SDSC SHAR, Sriharikota held on 10th October 2018.

5. Mr. Balaji has secured **First Place**, with Gold Medal in "IMAS World Kumite Championship – 2019" held at Jaipur, Rajasthan (INDIA) on 10th to 13th January 2019. Which was organized by Indian Martial ART SANSTHAN, Approved by Government of India (GOI), Indian Olympic Association (IOA), Common Wealth Karate Federation (CKF), International Olympic Committee (IOC), International world games association (IWGA).

6. Mrs. Bhagyashree A V has published paper titled **"An Efficient Power Utilization Approach with secure Data Transmission to Maximize the life time of wireless sensor network with the help of duty cycle mechanism"** in international Journal IJECS, Volume 7, 12 December 2018.

Ms. Mushahira & Ms. Tatti Pragnya Secured 2nd place in "World Space Week 2018 Celebrations" organized by SDSC SHAR ISRO held on 10/10/2018 at BITM Ballari.

Ms. Harshita has secured 3rd Place in Elocution competition, organized by LIC Ballari.

FACULTY CONTRIBUTIONS

PUBLICATION OF PAPERS (NATIONAL & INTERNATIONAL)

1. Mr.Khaja Moinuddin has published paper titled **"An Efficient Power Utilization Approach with secure Data Transmission to Maximize the life time of wireless sensor network with the help of duty cycle mechanism"** in international Journal IJECS, Volume 7, 12 December 2018.

2. Mrs.Suvarna Patil has presented paper titled **"A review on Data Cleaning for wireless Sensor Networks"** in international Conference **ICEECCOT-2018** organized by GSSSIT Mysore on 14th & 15th December 2018.

3. Mr.Phanindra Reddy K has presented paper titled **"A Comparative Analysis of Network IDS in Cloud Computing"** in international Conference **ICEECCOT-2018** organized by GSSSIT Mysore on 14th & 15th December 2018.

WORKSHOPS PARTICIPATION

1. Mr.Prashanath Keni has participated in 2 days FDP on **"VTU Thesis & Research Paper writing using LateX"** held at SDMIT, Ujire on 24th & 25th September 2018.

2. Ms.Rohini H M has participated in 5 days workshop on **"DSP and Image Processing through Machine Learning"** held at JNNCE Shimoga, Karnataka from 8th to 12th January 2019.
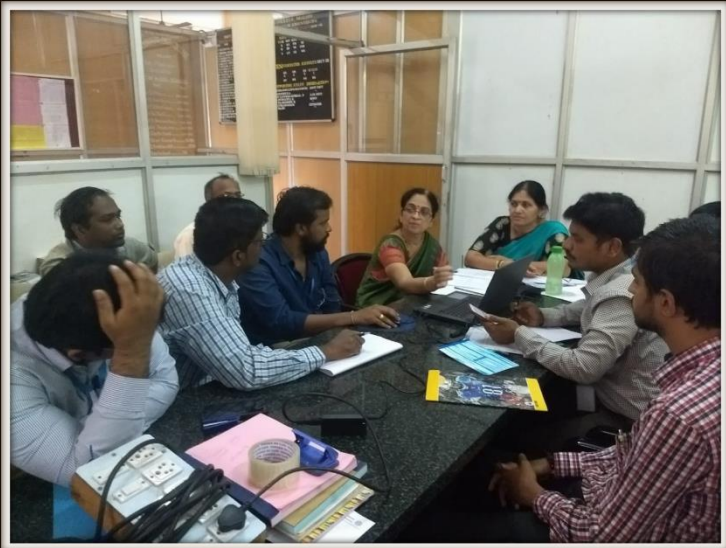
RESEARCH WORK

1. Department has been sanctioned **Rs 20 lakhs Grant from VGST scheme of KFIST Level(1)** for the project titled **"Establishment of lab for VLSI design with current technology".**

2. Dr. Savita Sonoli is guiding Ph.D Research scholars Ms.Chayalaxmi.C.L, Mr.Naveen I G, Mr.G Shashibhushan, Mr.Mahindra.B.M & Mrs.Chinna.V.Goudar registered under VTU, Belagavi.

3. Mrs.Asha Bharathi, Mr.Surendranath.H, Mrs.Suvarna Patil, Mr.Phanindra Reddy, Mr. Manjunath.K.M Mr.Prashanth Keni & Ms. Manasa.K.C are registered for Ph.D under VTU, Belagavi.

MOU

The Department has signed MOU with CoreEL Technologies India Pvt. Ltd., Bengaluru, Advanced Electronic Systems (ALS), Bengaluru, Pragna Microdesigns, Bengaluru, BSNL Mysore and CoStuCo Hyderabad.
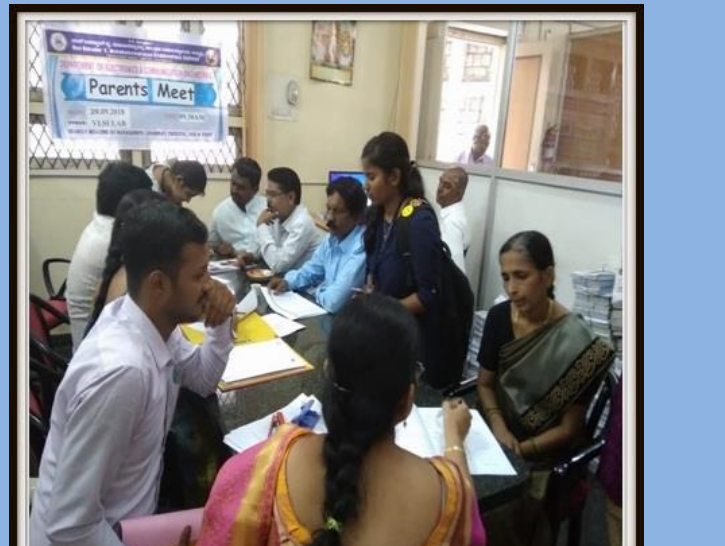
PHOTO GALLERY

"NBA SAR Audit" by Dr.Maya Karki on January 4th 2019.

"Academic Audit" by Dr.Mohamed Rafi on December 17th 2018.

"Orientation Program" for 3rd Sem Students was organized on 6th Aug 2018.

Parents Meet was held on 29th September 2018.

Lighting of Lamp at 3 days workshop on "Engineering & Society" -Life, Health & Happiness was organized for 5th Sem students from 24th to 26th September 2018.

EVENTS PHOTO GALLERY

"Mini Project Exhibition Competition" was organized on October 13th 2018.

Multisim Workshop held on September 22nd 2018 for 3rd Sem Students.

Workshop on "Entrepreneurship & Development" organized for 7th Sem students on 29th September 2018.

"Seminar on ieee explorer" organized on October 6th 2018.

Department Alumni Meet Apoorva Milana held on 27th Oct 2018.

Annual Alumni Meet "Apoorva Milana" held on 19th January 2019.

VISION, MISSION, PO'S, PSO'S & PEO'S

VISION OF E&CE DEPARTMENT

To Produce Professionally Excellent, Knowledgeable, Globally Competitive, Socially Responsible Electronics & Communication Engineers and Entrepreneurs.

MISSION OF E&CE DEPARTMENT

M1: To provide quality education in Electronics & Communication Engineering.

M2: To establish a Continuous Industry-Institute Interaction, Participation and Collaboration to Contribute Skilled Electronics and Communication Engineers.

M3: To develop Human Values, Social Values, Entrepreneurship Skills and Professional Ethics among the Technocrats.

M4: To focus on Innovation and Development of Technologies by Engaging in Electronics and Communication Research areas.

PROGRAM OUTCOMES (PO'S)

Engineering Graduates will be able to:

1. Engineering knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.

2. Problem analysis: Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.

3. Design/development of solutions: Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.

4. Conduct investigations of complex problems: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.

5. Modern tool usage: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modelling to complex engineering activities with an understanding of the limitations.

6. The engineer and society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.

7. Environment and sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.

8. Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.

9. Individual and team work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.

10. Communication: Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.

11. Project management and finance: Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.

12. Life-long learning: Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

PROGRAM SPECIFIC OUTCOMES (PSO'S)

1. Ability to Design, Develop and Test the Electronics circuits & Communication Systems.

2. Ability to develop excellent programming and problem solving skills in the field of embedded system.

PROGRAM EDUCATIONAL OBJECTIVE'S (PEO'S)

1.Graduates of Electronics & Communication Engineering course will have Successful Professional Career.

2.Graduates of Electronics & Communication Engineering course will pursue Higher Education or to become an Entrepreneur.

3. Graduates of Electronics & Communication Engineering course will have ability for Lifelong Learning and to serve the Society.