

February 2020 Volume 8 | ISSUE 1

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



Three days State Level Workshop on "Analog VLSI Design using Cadence Tool" was organized from 4th to 6th September 2019.



"Mini Project Exhibition and Competition" held on 26th October 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.75,000.

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

Words of Wisdom

“Take care! Beware of everything that is untrue; stick to truth and we shall succeed, maybe slowly, but surely.”

--Swami Vivekananda.

To be a leader, you must stand for something, or you will fall for anything.

- Anthony Pagano

Do not lower your goals to the level of your abilities. Instead, raise your abilities to the height of your goals.

--Swami Vivekananda.

Words of Wisdom

Society may predict, but only I can determine my destiny.

- Clair Oliver

Our mind is the most valuable possession that we have. The quality of our lives is, and will be, a reflection of how well we develop, train, and utilize this precious gift.

- Brian Tracy

QUOTE OF THE ISSUE

If you have a burning desire and a plan to take action, there is absolutely nothing you cannot achieve.

- Thomas J. Vilord

EVENTS ORGANIZED

Sl. No	Event Details
1	“ Student Orientation Program ” for 1 st Sem Students on August 16 th 2019.
2	“ Student Orientation Program ” for 3 rd Sem Students on September 3 rd 2019.
3	Three days State Level Workshop on “ Analog VLSI Design using Cadence Tool ” was organized from 4 th to 6 th September 2019.
4	“ Teachers Day, Fresher’s Day & Engineers Day ” Celebrations was organized on September 9 th 2019.
5	“ Project Ideas on Arduino ” for final year students was organized on 21 st September 2019.
6	“ Parents Meet ” was held on 4 th October 2019.
7	“ Mini Project Exhibition and Competition ” held on 26 th October 2019.
8	“ External Academic Audit ” by Dr.Bhimasen Soragaon & Dr.Prashantha.B.G from JSS Academy of Technical Education, Bangalore on 4 th November 2019.
9	Industrial visit to ISRO Sriharikota on November 1 st 2019 for final year students.
10	As part of Centre for Invention, Innovation, Incubation & Training(CIIT) activity , interaction with Sri Pushkaraj Kaulgud, Global CoE Director (Education, Electrical, Electronics & Embedded), Tata Technolgies Ltd., Pune was held on November 12 th 2019.
11	NSS Blood donation held on 21st November
12.	Industry institute interaction held on 28th November with Kiran Baddi, Director, PEQUIREL Microelectronics, Hubballi.



Industrial visit to Sriharikota on November 1st 2019 for final year students.

NEWS ABOUT STUDENT PERFORMANCE

TOPPERS OF DEPARTMENT

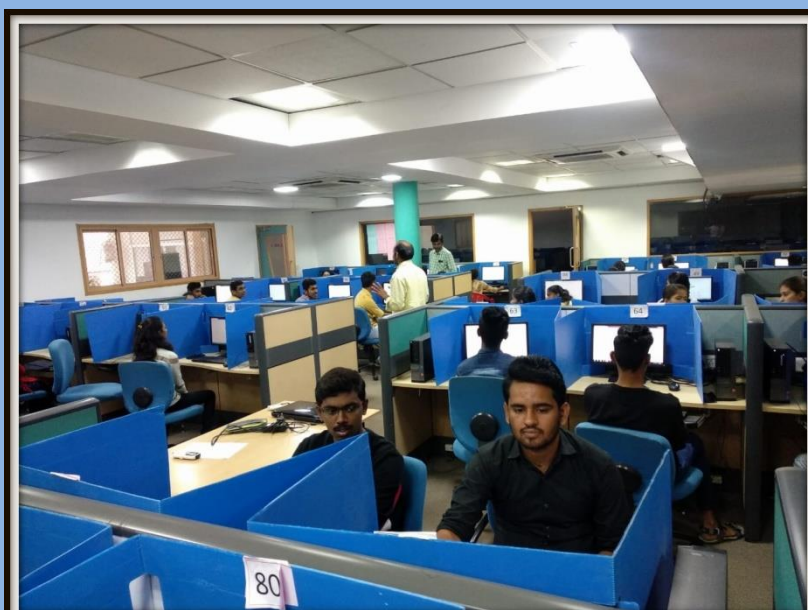
Position	3 rd Sem	SGPA	5 th Sem	SGPA	7 th Sem	SGPA
1	E VAISHNAVI	9.38	SAI KRISHNA M	9.46	VANDANA K	9.13
	S VIDHYA SHREE					
2	ANKITHA N G	9.33	SOUNDARYA V S	9.27	MUSHAHIRA	8.50
3	MEHTAJ BANU	9.25	CHETANA G	9.19	T. NAAZ	8.46
					AISHWARYA T	

ACHIEVEMENTS MADE BY STUDENTS IN ACADEMICS:

1. Indian Martial Art Sansthan has selected Mr.Balaji as chief instructor of Karnataka State to conduct Karate coaching classes and testing all over Karnataka.
2. 63 Students from 5th Semester of E&CE department participated in MOOC Course “Introduction to Python” on 20th November 2019.



Indian Martial Art Sansthan has selected Mr.Balaji as chief instructor of Karnataka State to conduct Karate coaching classes and testing all over Karnataka.



63 Students from 5th Semester of E&CE department participated in MOOC Course “Introduction to Python” on 20th November 2019.

FACULTY CONTRIBUTIONS

INVITED TALK

1. Dr.Prabhavathi S gave Presentation on “**Course Outcomes and Mapping CO-PO & CO-PSO**” on 21st Jan 2020 on Five Days Faculty Development Programme “Outcome Based Education and NBA Accreditation” held from 21st to 25th JAN 2020, sponsored by VTU TEQIP 1.3.
2. Dr. Savita Sonoli gave Presentation on “**Departmental Committees**” on 25th Jan 2020 on Five Days Faculty Development Programme “Outcome Based Education and NBA Accreditation” held from 21st to 25th JAN 2020, sponsored by VTU TEQIP 1.3.

PUBLICATION OF PAPERS (NATIONAL & INTERNATIONAL)

1. Dr. Savita Sonoli published a paper titled “**Design of Power Efficient Differential Amplifier Using 1UM and 180 NM Technology**” in International Journal of Engineering & Science Research (IJESR), Vol-9, Issue-8, August 2019, ISSN 2277-2685, pp 1-7.
2. Dr. Savita Sonoli published a paper titled “**Design of 12-Bit SAR ADC using Split Capacitor Based DAC Architecture at 45nm CMOS Technology**” in International Journal of Innovative Technology and Exploring Engineering (IJITEE) ISSN: 2278-3075, Volume-8 Issue-12, October 2019, DOI: 10.35940/ijitee.J9513.1081219, Scopus indexed, B Impact factor: 5.54.

WORKSHOPS PARTICIPATION

1. Mr. Phanindra Reddy K participated in 3 days workshop on “**Artificial Intelligence and Robotics**” organized by Prof .U R Rao Vijnana Bhavan in association with KSTA, Bengaluru from 16th to 18th Dec 2019.
2. Mr. Prashanth Keni participated in 1 day coordinators workshop on “**Arduino**” at IIT, Bombay on 18th Jan 2020.

Research Centre Activities

1. Dr. Savita Sonoli, Dr.Shivakumar, Dr. Shashidhara S M, Dr. Rohita U, Dr. Prabhavathi S and Dr. Netravathi M are registered as Research Supervisors at ECE Research Centre, RYMEC.
2. Dr. Savita Sonoli is guiding Ph.D Research scholars Mr.Naveen I G, Mr.G Shashibhushan, Mr.Mahindra.B.M, Mrs.Chinna.V.Goudar & Mrs. Manasa K C registered under VTU, Belagavi.
3. Ms.Chayalaxmi.C.L is awarded Ph.D in VTU under the Co-guidance of Dr.Savita Sonoli
4. Dr.Prabhavathi S is guiding Ph.D Research scholars Mr.Khaja Mouiniddun & Ms.Rohini H M registered under VTU, Belagavi.
5. Mrs.Rakhee Patil, Mrs.Girija Vani, Mr.Surendranath.H, Mrs.Suvarna Patil, Mr.Phanindra Reddy, Mr. Manjunath.K.M Mr.Prashanth Keni, Mrs. Manasa.K.C, Mr.Khaja Mouiniddun & Ms.Rohini H M are registered for Ph.D under VTU, Belagavi.
6. Mrs.Asha Kulkarni completed Comprehensive Viva Voce under the guidance of Dr.Shashidhar.H.M

MOU

The Department has MOU with Tech Trunk Ventures, Hyderabad, Embiot Technologies(ET), Bengaluru, VTU-Friends Union for Engineering Lives(FUEL), Institute for Engineering Research and Publication (IFERP), Chennai. CoreEL Technologies India Pvt. Ltd., Bengaluru, Advanced Electronic Systems (ALS), Bengaluru, Pragna Microdesigns, Bengaluru, BSNL Mysore and CoStuCo Hyderabad.

EVENTS PHOTO GALLERY



Student Orientation Program for 1st Sem Students on August 16th 2019.



Teachers Day, Fresher's Day & Engineers Day Celebration on September 9th 2019.



Student Orientation Program for 3rd Sem Students on September 3rd 2019.



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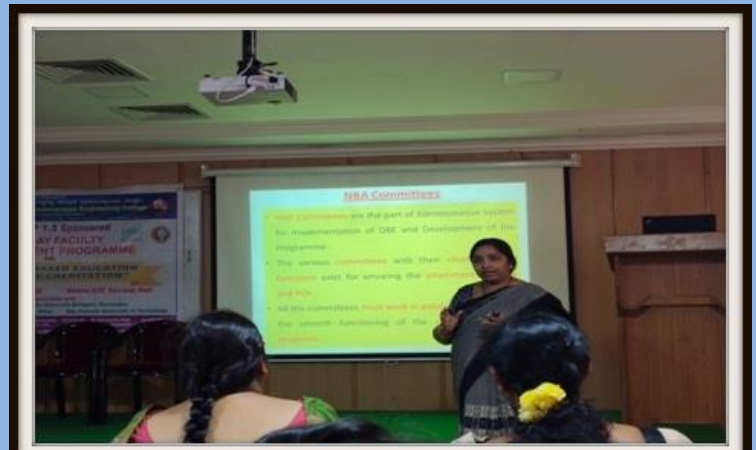


"Project Ideas on Arduino" for final year students was organized on 21st September 2019.

PHOTO GALLERY



Dr. Prabhavathi S gave Presentation on "Course Outcomes and Mapping CO-PO & CO-PSO" at 5 days FDP on "Outcome Based Education and NBA Accreditation" on 21st Jan 2020.



Dr. Savita Sonoli gave Presentation on "Departmental Committees" at 5 days FDP on "Outcome Based Education and NBA Accreditation" on 25th Jan 2020.



"Parents Meet" was held on October 4th 2019.



CIIT activity, interaction with Sri Pushkaraj Kaulgud, Global CoE Director, Tata Technologies Ltd., Pune was held on November 12th 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.