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Rao Bahadur Y. Mahabaleswarappa Engineering College, Ballari.
Department of Electronics & Communication Engineering



TALENTRONIC TIMES



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E&CE Department



Lighting of Lamp during inaugural of One Day District Level Symposium on "Science, Engineering & Society" Sponsored by KSTA on 17th Feb 2018.



Industrial Visit to ISRO, Bangalore on 1st Feb 2018.

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.50,000.

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

Discussions are always better than arguments, because an argument is to find out who is right, and a discussion is to find out what is right.

To be successful you do not need beautiful face and heroic body, what you need is skilful mind and ability to perform.

Confidence is better than perfection because perfection means doing the best but confidence means knowing how to handle the worst.

Words of Wisdom

You learn more from failure than from success. Do not let it stop you. Failure builds character.

Believe in yourself! Have faith in your abilities! Without a humble but reasonable confidence in your own powers you cannot be successful or happy.

QUOTE OF THE ISSUE

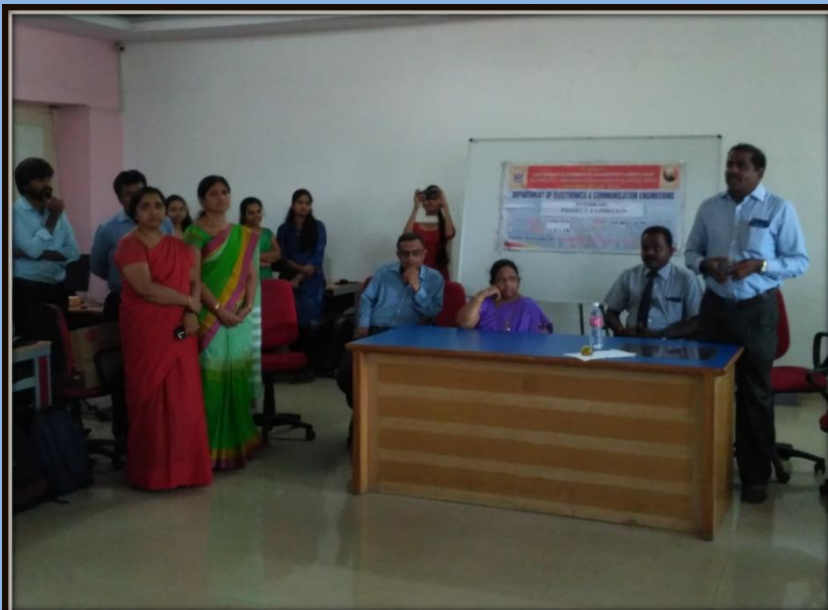
A satisfied life is better than a successful life because our success is measured by others. But our satisfaction is measured by our own soul, mind and heart.

EVENTS ORGANIZED

Sl. No	Event Details
1	One Day District Level Symposium on “ Science, Engineering & Society ” Sponsored by KSTA, Department of Science & Technology, Government of Karnataka was organized on 17th Feb 2018.
2	“ Hands on Training on Verilog HDL ” organized for Government Diploma college students, Ballari on 16 th & 17 th March 2018.
3	“ Parents Meet ” was held in department on 24 th March 2018.
4	“ Avishkar ”: Project Exhibition organized for final year projects on 14 th June 2018.
5	FDP on “ Digital Switching Circuits & RADAR ” organized for all Staff & visited BSNL, Ballari on 30 th July 2018 & Airport Authority of India, Ballari on 31 st July 2018.



Project Model Exhibition on the occasion of One Day District Level Symposium on “Science, Engineering & Society” Sponsored by KSTA, held on 17th Feb 2018.



“Avishkar”: Project Exhibition organized for final year projects on 14th June 2018.

NEWS ABOUT STUDENT PERFORMANCE

CAMPUS PLACEMENTS

85 E&CE Students are placed for the year 2017-18. The placement details for 2017-18 even sem are as follows:

SI No	Name of the Company	No of Students Recruited
1	PINCLICK,BANGALORE	5
2	SHRIRAM TRANSPORT FINANCE,CHENNAI	1
3	ANORA SEMICONDUCTOR LABS,BANGALORE	1
4	[24]7,BANGALORE	4
5	EMPOWERSYS,BANGALORE	19
6	PATH FRONT,BANGALORE	5
7	NTT DATA,BANGALORE	2
8	ABC GROUP	2
9	collabera	11
10	QSPIDER	6
11	CMS IT Services	12

TOPPERS OF DEPARTMENT

Position	4 th Sem	Percentage	6 th Sem	Percentage	8 th Sem	Percentage
1	RAJARAJESHWARI M	76.3	K KAVYA	81.63	UPPARA VASAVI	82.8
			DHEERAJ P			
2	VANDANA K	73.8	HARSHITA K	80.5	KAVYASHREE C H	81.2
3	SINDUJA K	73.7	K SAI SHILPA	80.125	VIDYASHREE R S	80.9

ACHIEVEMENTS MADE BY STUDENTS IN ACADEMICS

- Kavya B, Kavya D H, Kavya Dasanagoudru & Kavya Shree published a paper “**Speech Recognition Wheel Chair using MEMS**” in international journal IJLTEMAS-2018, Vol 7, Issue 3 March 2018 ISSN 2278-2540.
- Chaitra G S, Divya N, Divya Shree P & Gagana D N published a paper “**Smart Paroxysm Prediction and Life Saving System**” in international journal IJCRT-2018, Vol 6, Issue 1 March 2018 ISSN 2320-2882.
- Gurushruthi G T, H Yogaraj, Harshitha K R & Divya A presented a paper “**Controlling a Robotic Arm using Haptics**” in international conference ICIET-2018 12th & 13th April 2018 RYMEC Ballari.
- Harika, K. Vandhana, Hemavathi H & M. Pooja participated in “**Teleutsav 2018**” organized by the department of Telecommunication Engineering, GSSIETW, Mysuru held on 21st April 2018.
- Renuka S, Kavitha K & Krishna P published a paper “**ALU Implementation Using CMOS Technology**” in international journal IJLTEMAS, Volume VII, Issue V, May 2018, ISSN 2278-2540.
- Bindu G, Chilukuri Subba Lakshmi, Deepthi G & Kavya B published a paper “**Footstep Power Generation using Piezo Electric Transducers**” in international journal IJLTEMAS-2018, Vol 7, Issue 5 May 2018 ISSN 2278-2540.
- SHILPA N, SOUDAMANI M C, SOUMYA K & SWAPNA presented a paper “**IoT Based Sensor Enabled Smart Car Parking for Advanced Driver Assistance System**” in international conference RTEICT-2017 held on 19th & 20th May 2018.

FACULTY CONTRIBUTIONS

PUBLICATION OF PAPERS (NATIONAL & INTERNATIONAL)

1. Nagraj Gowda published a paper **“Speech Recognition Wheel Chair using MEMS”** in international journal IJLTEMAS-2018, Vol 7, Issue 3 March 2018 ISSN 2278-2540.
2. Srikanth N published a paper **“Smart Paroxysm Prediction and Life Saving System”** in international journal IJCRT-2018, Vol 6, Issue 1, March 2018 ISSN 2320-2882.
3. Dr. Prabhavathi S presented a paper **“Controlling a Robotic Arm using Haptics”** in international conference ICIET-2018 12th & 13th April 2018 RYMEC Ballari.
4. Sharana Basavaraj B published a paper **“ALU Implementation Using CMOS Technology”** in international journal IJLTEMAS, Volume VII, Issue V, May 2018, ISSN 2278-2540.
5. Santosh M published a paper **“Footstep Power Generation using Piezo Electric Transducers”** in international journal IJLTEMAS-2018, Vol 7, Issue 5 May 2018 ISSN 2278-2540.
6. Dr. Savita Sonoli presented a paper **“IoT Based Sensor Enabled Smart Car Parking for Advanced Driver Assistance System”** in international conference RTEICT-2017 held on 19th & 20th May 2018.

WORKSHOPS PARTICIPATION

1. Dr. Prabhavathi S, Khaja Moinuddin, Chinna V Goudar, Lokesh K S, Anitha A, Srikanth N, Sudharshan Banakar, Nagaraj Gowda H, Rohini H M & Vani H participated in **“Foundation Program for ICT education FDP101X (IITBX- MOOC)”** held at RYMEC, Ballari, from March 8th to March 20th 2018.
2. Dr Prabhavathi S, Mr. Sudarshan & Mr. Md Zakirulla participated in 4 weeks Online course **“Pedagogic Principles for outcome based education”** organized by NPTEL, IIT, Kharagpur held from September-October 2018.

RESEARCH WORK

1. 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.
2. 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.

INDUSTRIAL VISITS

1. 6th Sem students had been to ISRO Bangalore on 1st February 2018.
2. 4th sem students had been to BSNL, Ballari on 24th February 2018.
3. 8th sem students had been to BSNL, Ballari on 28th March 2018.
4. 8th Sem students had been to ISRO Sriharikota on 7th May 2018.
5. All Staff of E&CE Department visited BSNL, Ballari on 30th July 2018 & Airport Authority of India, Ballari on 31st July 2018.



Industrial Visit to ISRO, Bangalore on 1st Feb 2018.



Industrial Visit to ISRO, Sriharikota on 7th May 2018.

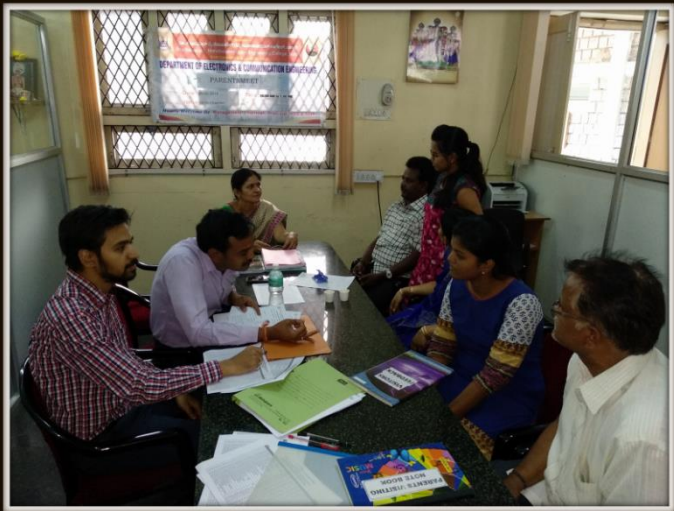


Industrial Visit to BSNL, Ballari on 24th Feb 2018.

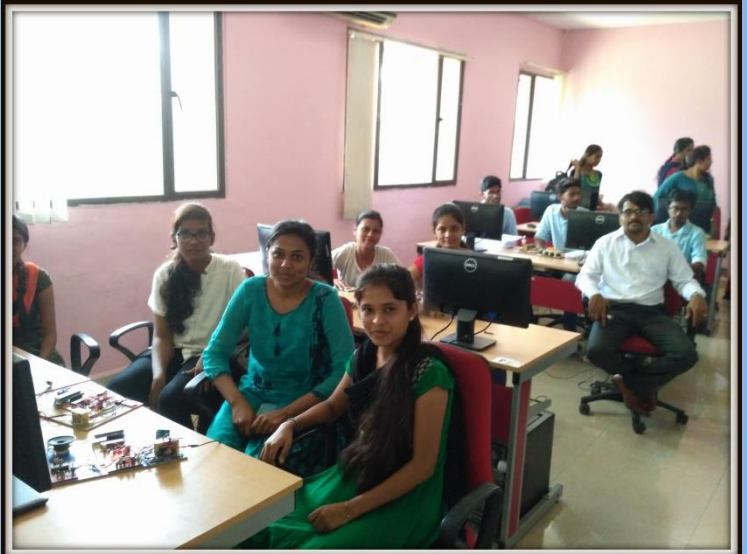


Industrial Visit to BSNL, Ballari on 28th March 2018.

EVENTS PHOTO GALLERY



“Parents Meet” was held on 24th March 2018.



“Avishkar”: Project Exhibition organized for final year projects on 14th June 2018.



Project Model Exhibition on the occasion of One Day District Level Symposium on “Science, Engineering & Society” Sponsored by KSTA, held on 17th Feb 2018.



“Hands on Training on Verilog HDL” organized for Government Diploma college students, Ballari held on 16th & 17th March 2018.



Industrial Visit to BSNL, Ballari on 30th July 2018.



Industrial Visit to Airport Authority of India, Ballari on 31st July 2018.

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, collaboration to contribute E&CE and IT skilled Engineers.

M3: To build human values, social values, entrepreneur skills and professional ethics among the technocrats.

M4: To focus on innovation and development of technologies by engaging in Communication, Embedded System 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.
3. Graduates of Electronics & Communication Engineering course will have ability for lifelong learning