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V.V. Sangha's

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



TALENTRONIC TIMES



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V.V.Sangha's
ರಾವ್ ಬಹದ್ದೂರ್ ವೈ. ಮಹಾಬಲೇಶ್ವರಪ್ಪ ಕಾಂಪ್ರಿಕ ಮಹಾವಿದ್ಯಾಲಯ, ಬಳ್ಳಾರಿ
Rao Bahadur Y.Mahabaleswarappa Engineering College, Ballari

DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING
M.Tech in Digital Communication & Networking and Research Centre

CONGRATULATIONS
RADHIKA Y T
for Securing VTU 4th Rank
in M.Tech (DCN)

Hearty Congratulations by Management, Principal, HOD, Staff & Students.



RADHIKA Y T
USN:3VC18LDN02,
CGPA:9.09

DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING
M.Tech in DCN and Research Centre
Future Ready : Industry 4.0

HEARTY WELCOME BY MANAGEMENT, CHAIRMAN, PRINCIPAL, HOD & STAFF

One day Seminar on "Future Ready:Industry 4.0" organized on 23rd December 2020.

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), 3 Lakhs from NAIN & KSCST Projects sponsorship of Rs.75,000.

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

A musician must make music, an artist must paint, a poet must write, if he is to be ultimately at peace with himself.

--Abraham Harold Maslow

A man sooner or later discovers that he is the master-gardener of his soul, the director of his life.

--James Allen

It isn't sufficient just to want - you've got to ask yourself what you are going to do to get the things you want.

--Franklin D. Roosevelt

Words of Wisdom

A good plan executed now is better than a perfect plan next week.

--George S. Clason

You can't get much done in life if you only work on the days when you feel good.

--Jerry West

QUOTE OF THE ISSUE

Accept responsibility for your life. Know that it is you who will get you where you want to go, no one else.

--Les Brown

EVENTS ORGANIZED

Sl. No	Event Details
1	“ Kannada Rajyotsava ” was celebrated in department on 2 nd November 2020.
2	One day Seminar on " Future Ready:Industry 4.0 " organized on 23 rd December 2020 from E&CE Department with Mr.MKHH Jilani, investment banker & strategic advisor, KBN University as resource person.
3	“ Fresher’s Day ” for BE First year students organized on 17 th December 2020.
4	Webinar on “ Introduction to Remote Sensing and Image Processing ” organized by E&CE department in association with IQAC with Dr.PM Shivakumar Swamy, Professor, JSSATE, Bangalore as resource person on 12 th Jan 2021.
5	Inauguration of “ Centre for invention, innovation, incubation & training ” was done on 20 th January 2021.
6	Online webinar on “ interpersonal Skills ” organized on 25 th Jan 21 with Ms.Sonu Prakash Chand, Manager IT Solutions, Eli Lily and Company as resource person.
7	“ M.Tech Fresher’s Day ” was organized on January 23 rd 2021.
8	Presentation on “ Outcome Based Education ” for 3 rd Semester students was given on February 08 th 2021.
9	3 Day Online Workshop on free and Open Source Software “ eSim ” FOSSEE(Free and Open Source Software for Education) from 11 th to 13 th Feb 2021.
10	“ Parents meet ” was held on 22 nd Feb 2021.
11	Bangalore Section, Mangalore Subsection, REVA University, RYMEC Ballari jointly organized an IEEE VTools event “ Automation in Electronics Engineering ” on 28 th Feb 2021; Mr.Ramachandra Gambheer, Alumni of E&CE Department currently working as Sr.Leader, Business and Technical Operations, Cisco Systems Inc., San Jose, California, USA was the resource person for the event.



Online Webinar on Introduction to Remote Sensing and Image Processing on 12th Jan 2021.



3 days Online Workshop on free and Open Source Software “eSim” FOSSEE by IIT Mumbai from 11th Feb to 13th Feb 2021.

NEWS ABOUT STUDENT PERFORMANCE

TOPPERS OF DEPARTMENT

Position	3 rd Sem	SGPA	5 th Sem	SGPA	7 th Sem	SGPA
1	MANOJ KUMAR K	8.83	E VAISHNAVI	8.96	CHETANA G	9.13
2	SREEKAR R	8.50	MEHTAJ BANU	8.84	SOUNDARYA V S	9.08
3	VIDYAS V	8.46	DIKSHITHA V N	8.72	BHAVANI	8.92

ACHIEVEMENTS MADE BY STUDENTS IN ACADEMICS:

1. Smt.Radhika Y T has secured 4th rank in M.Tech (Digital Communication & Networking with CGPA of 9.09.
2. 12 students attended 3 days Online Workshop on free and Open Source Software “eSim” FOSSEE (Free and Open Source Software for Education) organized by IIT, Mumbai from 11th Feb to 13th Feb 2021.
3. Mr.Manu of 5th sem had designed app “RYMEC Students App” available in play store where the latest updates about the institution will be available.



NAIN Funded Project for 3 lakhs titled “Wireless Head motion controlled smart wheelchair for disabled person”



RYMEC Student App Launch on 20th Jan 2021.



The RYMEC College

The Veerasaiva Vidyavardhaka Sangha is Registered Education Body started in 1916. The Sangha over the years, with a humble beginning with a Sanskrit Pathasala and a Primary Kannada School, has grown in size and strength. It now runs 2 Middle Schools, 5 High Schools, 1 Jr. College and 9 Degree Colleges of Arts, Science and Commerce, 5 Educational Institutions, Law, 2 Engineering, B.Pharmacy, D.Pharmacy Colleges, Polytechnic and Institute of Management. The achievements of the Sangha have been hailed by eminent scholars, administrators and men of eminence and standing who had occasion to visit the participate in the functioning of the Institutions of the Sangha.

Latest News

*You think all are good
and are being very nice to you?*

*Oh honey,
Just wait, the curtains will fall.
And the drama will be over!*

©ranjita_hulgi



Art by Vishwa Kolur

Darling,
You aren't in a movie shooting.
And there is no one waiting at the door to hold
your hand in a moving train.
If you desire to reach your destiny, then you
have to be on right time to catch your train.

Things in reality

©ranjita_hulgi



Plantation Activity by Lead Volunteer Akash on occasion of independence Day on 15/08/2020.

FACULTY CONTRIBUTIONS

INVITED TALK

Dr.Prabhavathi S gave a talk on “**Model for Probability Based Energy Optimization in WSN and Model for Energy Efficient Load Balancing Optimization in WSN**” AICTE_ISTE sponsored one week Online Induction Programme on “**Advanced Emerging Trends in Computer Science Engineering & Information Technology**” on 23rd Feb 2021.

PUBLICATION OF PAPERS (NATIONAL & INTERNATIONAL)

1. Dr.Savita Sonoli & Mrs. Manasa K C published a paper titled “**A Review on Content Based Image Retrieval System Process and Features**” in International Journal JETIR August 2020, Volume 7, Issue 8, ISSN-2349-5162.
2. Dr.Savita Sonoli & Mrs. Manasa K C published a paper titled “**A survey on integrated analysis of HSV Colour histogram Characteristics with Shape based edge detection to improve the retrieval System Performance in Content -based Image Retrievals**” in Web of Science Group ,International Journal GEDRAG & ORGANISATIE REVIEW ESSN,0921-5077/1875-7235 Vol 33,Issue 04
3. Mr. Md.M. Zakirulla published a paper titled “**Talking Energy Meter based on Microcontroller**” in International Journal IRJET e-SSN :2395-0056,P-ISSN:2395-0072,Vol 7,issue: Sep 2020.

WORKSHOPS PARTICIPATION

1. Mr.Khaja Mouiniddun & Mrs.Vani H attended 3 Day Online Workshop on free and Open Source Software “eSim” **FOSSEE** (Free and Open Source Software for Education) organized by IIT, Mumbai from 11th Feb to 13th Feb 2021

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. Dr.Prabhavathi S is guiding Ph.D Research scholars Mr.Khaja Mouiniddun & Ms.Rohini H M registered under VTU, Belagavi.
4. Mrs.Rakhee Patil, Mrs.Girija Vani, Mrs.Suvarna Patil, Mr.Phanindra Reddy, Mr.Prashanth Keni, Mrs. Manasa.K.C, Mr.Khaja Mouiniddun & Ms.Rohini H M are registered for Ph.D under VTU, Belagavi.
5. Mrs.Manasa K C completed Comprehensive Viva Voce under the guidance of Dr. Savita Sonoli.

MOU

The Department has MOU with ENTUPLE Technologies, Bengaluru, Vijayanagara Sri Krishnadevaraya University, Ballari, Knowledge Solutions India A Microsoft –AEP, Tech Trunk Ventures, Hyderabad.

EVENTS PHOTO GALLERY



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Online "Fresher's Day" for BE First year students organized on 17th December 2020.



M.Tech Freshers day on January 23rd 2021.



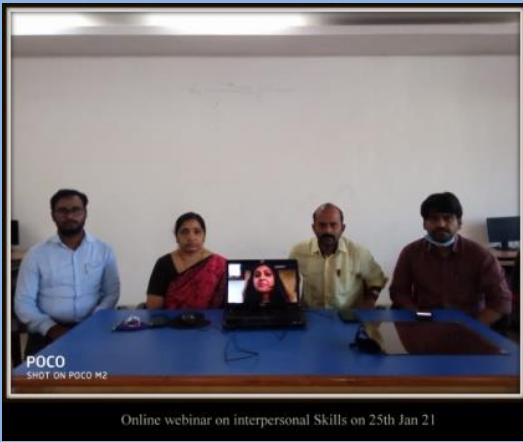
Online Webinar on Introduction to Remote Sensing and Image Processing on 12th Jan 2021.



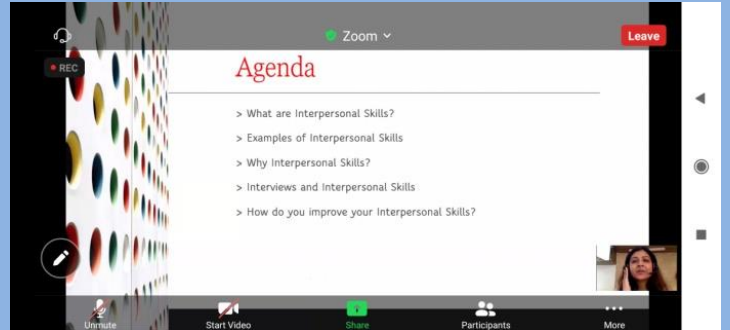
Free data sources on the web

- GLOVIS (USGS Global Visualisation Viewer)
 - <http://glovis.usgs.gov/>
 - All global Landsat data now available - hugely useful resource
 - Plus ASTER, MODIS (moderate/coarse resolution but global coverage)
 - NASA Distributed Active Archive Centres - huge range of free NASA data:
 - <http://nasadaacs.eos.nasa.gov/about.html> (overview)
 - <https://lpdaac.usgs.gov/> (land)
 - <http://podaac.jpl.nasa.gov/> (oceans)
 - <http://www.nsidc.org/daac/> (snow and ice)
 - UK NERC
 - NERC National Centre for Earth Observation (NCEO)
 - <http://www.nceo.ac.uk>
 - Earth Observation Data Centre
 - <http://www.neodc.rl.ac.uk/> (UK/European focused, with ESA data, airborne, various campaign surveys etc. - may require registration)

PHOTO GALLERY



Online webinar on interpersonal Skills on 25th Jan 21



Presentation on "Outcome based Education" for 3rd Semester students on February 08th 2021.



IEEE VTools webinar "Automation in Electronics Engineering" on 28th Feb 2021.



"Parents meet" was held on 22nd Feb 2021.



Inauguration of "Centre for invention, innovation, incubation & training" done on 20/01/2021.

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.