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Newsletter by the Department of Electronics & Communication Engineering

SMVITM

SHRI MADHWA VADIRAJA
INSTITUTE OF TECHNOLOGY AND MANAGEMENT

(A Unit of Shri Sode Vadiraja Mutt Education Trust®, Udupi)
Approved by AICTE, New Delhi; Recognized by Govt. of Karnataka and Affiliated to VTU, Belagavi
Vishwothama Nagar, Bantakal - 574115, Udupi District, Karnataka.

Newsletter of the Department of
ELECTRONICS & COMMUNICATION ENGINEERING
SHRI MADHWA VADIRAJA INSTITUTE OF TECHNOLOGY & MANAGEMENT
Vol. 5, Issue 2, January-August 2020

I hope this message finds you in good health.

First of all, I would like to extend my warm wishes to our 2016-20 batch. Congratulations on graduating and wishes for all the success in life. We sincerely hope that your new journey will be full of peace, harmony, success and comfort.

Progress and advancement bring along with it new menaces as well. A virus, 'covid -19', has proven mightier than man, powerful enough to bring even economies to 'isolation wards'. Has Nature started to retaliate? On one side heavy floods, on the other, the wrath of fire. Rhythm of Nature seems to give way to the delirious rhythm of the times. We have several convenient labels and terms: global warming, climate change and so on. We find that everything is in a state of flux: history, science, technology and even imagination. But it's a pity –ego remains unchanged unharnessed, untransformed. It continues to breed arrogance and ignorance, while wisdom remains elusive. How to liberate knowledge, the sole path to wisdom from parochialism, vested interests and narrow-mindedness? How to redeem man's intrinsic humaneness and preserve it as the common heritage of humanity? Will the new generation of Engineers be able to use technology to redeem it? Even as the whole world has been put on hold due to this pandemic, SMVITM on the contrary, hasn't stopped its teaching and learning process. Both students and teachers have put tremendous amount of effort and cooperation ensuring learning takes place even in the midst of this great crises. Not only the teaching. Research continued, papers hit the reputed journals, students won prizes in international level, conferences conducted, workshops and webinars continued to instil new insights, various student activities took place along with the regular academic classes. This has proved that education at SMVITM is unstoppable. Hence, we are excited to bring to you of some glimpses that happened during the last semester in this Vol. 5, Issue 2 of this newsletter.

Another academic year is beginning and we are ready with all new hopes and hues.

Sachin S Bhat

Newsletter Edited by:

Ranjith Bhat

DEPARTMENTAL ACTIVITIES

LEAD Prayana 2020

The 2nd year ECE students Ms. Aishwarya, Ms. Bhoomika, Ms. Chaitra and Mr. Srivasthsa, along with 3rd year Mechanical Engg student Mr. Anish Upadhya, took part in the 2-week long LEAD prayana from 19 Jan to 02 Feb 2020. Organized by Deshpande Foundation Hubballi, the LEaders Accelerating Development (LEAD) Program fosters innovative and entrepreneurial thinking within college students by exposing them to social issues and by encouraging them to volunteer their time and effort into the community. LEAD ignites their latent talent to come up with creative solutions and implement the same. It is an incubator where innovation meets implementation, knowledge meets experience, social issues meet solutions and efforts meet impact.

As part of this program, the students interacted with many renowned personalities which include the Founder of Deshpande Foundation Sri Gururaj Deshpande, the Vice Chancellor of VTU Dr. Karisiddappa, the Dharmadhikari of Dharmasthala Sri Veerendra Heggade, the Director of Alvas's group of institutions Dr. Mohan Alva, Ex DCP of Udupi Mr. Annamali, Param Veer Chakra awardee Mr. Yogendra Singh Yadav, IPS Officer Mr. Ravi Channavar, founder of Classic Magazine Mr. Laxman Uppar, Theatre artist Mr. K G Krishnamurthy, and many more.

The students visited Asia's largest kitchen Akshaya Patra, Infosys Mysuru campus, alternate school for children at Kaliyuva mane Mysuru, Samarthanam Trust Bengaluru for the differently abled children, Mahesh Foundation school for the HIV positive children, Kalkeri Sangeetha Vidyalaya, Police Department, Vishal Natural Food industry, Dharmasthala temple, Moodabidre Alvas Institutions, MAHE Manipal, Malpe beach and many other places. They visited a village by name Hirebendigeri, where they lived like a villager for a day without modern gadgets, and helped the villagers in their daily household works and field works. There they also conducted a street play on women abuse and women empowerment.

By this exhaustive educative tour, the students developed leadership skills, innovative approach and entrepreneurial mindset to become constructive contributors to the society. The institute congratulates all the five students who participated in the prayana, and wishes them a bright future.

LEAD - Leadership Programme

The department of Electronics & Communication Engineering of SMVITM Bantakal, in association with LEAD (Leaders Accelerating Development) of Deshpande Foundation Hubballi, organised a one-day workshop on "LEAD-Leadership Programme" on Saturday, 22 February 2020 in the institute premises. Ms. Anisha Cardoza, Programme Manager of LEAD, was the resource person. The students of 2nd year ECE participated in the workshop and developed their leadership skills.

Ms. Cardoza started her session by briefing about the workshop, and the benefits of LEAD programme. For the students who have ideas or who want to come up with ideas and are seeking a platform for mentorship, guidance and resources, LEAD will help them to achieve their goals and passion, and in this process the students will enhance the leadership qualities in them.

She conducted some activities that helped the students to generate innovative ideas, develop innovative approach, creative thinking, plan activities and organize guest speaker's sessions. The activities also fostered innovation and explored the possibilities of building leadership and entrepreneurial mind-set among the students.

In the last session, Ms. Cardoza conducted community activities, team building activities, followed by the presentations by each group, and documentation processes, which was well appreciated by all the students.

Earlier, Ms. Bhoomika J. S. of 2nd year ECE introduced the resource person. Vice Principal Dr. Ganesh Aithal and Head of the department Dr. Balachandra Achar were present during the inaugural function. Senior Assistant Professors Mr. Nagaraja Rao and Mr. Ganesh Shetty coordinated the workshop.

Internship Awareness

The department of E&C Engineering organized a guest talk by Dr. Mahesh Padyana of CloudE Mysuru on 05 March 2020 about Internship Awareness. Students of 6th semester ECE attended the talk and interacted with the resource person. Dr. Padyana began his session by giving a small task of designing a water level sensor using microcontroller, and received inputs from the students. He briefed the students about the attractive career in core electronic industries, and motivated the students to join.

As a pre-requisite, he said, the students aspiring to join core industries should know the basics of electronics thoroughly and should have hands-on experience in designing and troubleshooting circuits and writing codes for interfacing. He said that the hands-on experience can be obtained by undergoing internship training in core electronic or companies that manufacture embedded systems. To this effect, he said that CloudE is offering project-based internship training to engineering students at affordable costs.

Earlier, HOD-ECE Dr. Balachandra Achar introduced the guest speaker and welcomed him. Faculty members Mr. Krishna Kumar and Mr. Avinash N. J. were present on the occasion.

March-past Gold winners

The combined ECE team comprising students from 1st to 4th year won First prize in march-past event

at the college annual sports meet held on 29 Feb 2020.

PAC Meeting

Program advisory committee meeting was held on February 22, 2020. The PAC members consisting of alumni, students, parents, faculty members attended the meeting. The PAC members discussed on the issues of NBA process, CO-PO attainment and they also gave suggestions on academic related matters.
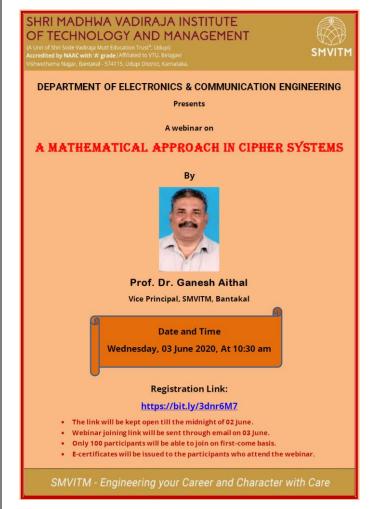
Webinar on Mathematical Approach in Cipher Systems

The department of E&C Engineering organized a Webinar on "A mathematical approach in Cipher System" by Prof. Dr. Ganesh Aithal, Vice Principal, SMVITM on 03 June 2020. More than 100 faculty members and students from various engineering colleges participated in the webinar and gained knowledge.

In the webinar Prof. Aithal explained the mathematics involved in the ciphering and deciphering of text messages using standard encryption algorithms.

In the beginning Assistant Professor Ms. Renita Pinto introduced Prof. Aithal to the participants. Senior Assistant Professor Mr. Arun Upadhyaya coordinated the webinar.

Incridea Winners

The team of ECE students Adarsh Hebbar, Adith Holla, Jeevan Achari and Sourabh Revankar won First Prize in the Incridea – Innovate, Create, Ideate contest held at NMAMIT Nitte on 15 Feb 2020.

Aakriti Winners

Wasim Akram, Supreeth Kumar, Pranav K R, Prajyoth Bhat, Dheeraj Shetty, Pratheek Shetty and Niveditha Nayak of 3rd year ECE have won First

prize in the Short Film Making competition held at the intercollegiate techno-cultural fest organized by CEC Bantwal, during 27-29 Feb 2020.

Atal Tinkering

ECE students Ms. Rushali and Mr. Aditya conducted classes for PUC students as part of Atal Tinkering Lab. Vasundhara and Meghana of 4th year and Shreya Udupa of 1st year EC won First Prize in group singing event in the District Rotaract Cultural programme held at SMVITM on 19 Jan 2020.

Vasundhara, Pooja and Thrishna of 4th year ECE won Second Prize in group dance event in the District Rotaract Cultural programme held at SMVITM on 19 Jan 2020.

Meghana of 4th year ECE won Second Prize in the duet singing competition in the District Rotaract Cultural programme held at SMVITM on 19 Jan 2020.

Thrishna of 4th year and Bharath Shenoy of 3rd year ECE won Second Prize in the Skit competition in the District Rotaract Cultural programme held at SMVITM on 19 Jan 2020.

Wasim Akram has won Best Editor and Best Director awards, and Pranav K R has won Best Story award at the intercollegiate techno-cultural fest organized by CEC Bantwal, during 27-29 Feb 2020.

The combined college team comprising of ECE students Meghana of 4th year, Shreeshadasa of 3rd year and Shreya Udupa of 1st year won Frist prize in the Bhajan singing competition as part of Incredia-20 held at NMAMIT Nitte from 14 to 18 Feb 2020.

Bharath Shenoy of 3rd year ECE was part of the college team which won First prize in the event Khamosh as part of Incredia-20 held at NMAMIT Nitte from 14 to 18 Feb 2020.

The college team comprising of ECE students Prajna Acharya and Rachana Shetty of 4th year, and Preema Dsouza, Niveditha Hebbar and Rashmi of 3rd year won First prize in the Fashion Show as part of Incridea-20 held at NMAMIT Nitte from 14 to 18 Feb 2020.

A project title called "Multipurpose Agri robot" carried out by Jeevan J Achari and K Adith Holla along with High school students Vijayashankar and Adithya got selected in the Anveshana project contest -2020. The regional contest was held at SDMIT Dharwad from 15-01-2020 to 17-01-2020.

A project titled "Smart meeting room" carried out by K Adith Holla, Jeevan J Achari, Adarsha Hebbar, Sourabh M Revankar, Prajyoth P Bhat and Abhijith N, reached semifinal of the project contest IICDC 2019 Texas Instruments Innovation Contest.

Throw-ball winners

ECE team comprising of Ms. Laxmi, Ms. Rajashree, Ms. Shareen, Ms. Sowmya, Ms. Renita, Ms. Geethanjali and Ms. Saraswathi won the first prize in the throwball event at the college annual sports day for staff on 31 Jan 2020.

Cricket Runners

The combined ECE-Civil cricket team won the runners-up prize in the staff cricket match held on 31 Jan 2020. The ECE members were Mr. Chetan, Mr. Arun, Mr. Sandesh, Mr. Ganesh, Mr. Avinash, Mr. Sandeep, Mr. Hariprasad and Ms. Laxmi.

PhD awarded to Sachin Bhat

Senior Assistant Professor Sachin S Bhat was awarded PhD degree by Reva University of Bengaluru for his thesis titled "Design and development of deep learning algorithms for character recognition of Kannada inscriptions", submitted under the guidance of Dr. Sheshikala G., Professor in the School of Electronics at Reva University.

Originally belonging to Shirali town of Uttara Kannada district, Dr. Bhat is the son of Sri Sadashiva Bhat, retired employee of Vijaya Bank, Kumta, and Teacher Smt. Shailaja. Recently he was honored with the Young Researcher award, by "Green Thinkerz" International Society.

Touchless Hand Sanitizer designed by Mr. Madhusudan Thantry

Foreman Mr. P. Madhusudan Thantry, designed and fabricated touch-less hand sanitizer to be used at the entrance of the department building.

Mr. Nagaraja Rao, Ms. Sowmya Bhat and Mr. Raghavendra Rao are recognized as the members of the "Confederation of Elite Academicians of IICDC" by AICTE, Texas Instruments, IIM Bangalore and DST for the project contest IICDC-2019.

FACULTY AND STUDENT ACCOMPLISHMENTS

A. Faculty research publications:

1. Dr. Ganesh Aithal published a paper titled "Exponential Cipher Based on Residue Number System and Its Application to Image Security" in Advances in Artificial Intelligence and Data Engineering, p: 529-541, August 2020 (Scopus Indexed, Q2).

2. Dr. Ganesh Aithal published a paper titled "Analysis of an Enhanced Dual RSA Algorithm Using Pell's Equation to Hide Public Key Exponent and a Fake Modulus to Avoid Factorization Attack", in Advances in Artificial Intelligence and Data Engineering, p: 809-823, August 2020 (Scopus Indexed, Q2).

3. Dr. Ganesh Aithal published a paper titled "Design, Calibration, and Experimental Study of Low-Cost Resistivity-Based Soil Moisture Sensor for Detecting Moisture at Different Depths of a Soil", in Advances in Artificial Intelligence and Data Engineering, p: 1383-1397, August 2020 (Scopus Indexed, Q2).

4. Dr. Balachandra Achar published a paper titled "Random Forest algorithm-based Strain Analysis on Composite Materials using Digital Image Processing" in International Journal of Advanced Science and Technology, Vol. 29, No. 8, July 2020 (Scopus Indexed, Q4).

5. Dr. Sachin Bhat published a paper titled "Character Recognition of Tulu Script Using Convolutional Neural Network", Advances in Intelligent Systems and Computing, Springer, Vol.1133, P:121-131, August 2020 (Scopus Indexed, Q2).

6. Dr. Sachin Bhat published a paper titled "Comparative physical study of evans blue by fe3o4@cf-r coated combination of decorated go and tio2 magnetic nanocomposite" in Rasayan: Journal of Chemistry,13(2), June 2020 (Scopus Indexed, Q2)..

7. Dr. Sachin Bhat published a paper titled "Stress State Detection of Social Media user using Neural Network based Factor Graph Model" in

Test Engineering, Vol 83, Issue 2, April 2020 (Scopus Indexed, Q4).

8. Vishruthi Kotian, Vishal Anand Bhat, Shradha, Sandeep Salvankar, Nagaraja Rao published a paper titled ""Blind assistance in shopping mall using Li-Fi" in Technical Research Organization India (TROI)", VOl 7, Issue 7, June 2020.

9. Tanusha C Shetty, Swasthi S Shetty, Sanketh S Shetty, Vaishnavi Pai, Arun Upadhyaya published a paper titled "EYE CONTROLLED WHEELCHAIR MOVEMENT", in IJCESR, vol 7, issue 6, p:8-12, 2020.

10. Ganesh S Shetty, Aparna Kini, Kavya Anchan, Chethana A Amin published a paper titled "COMMUNICATION AMONG BLIND DEAF AND DUMB" in IJCESR, vol 7, issue 7, p:8-12, 2020.

11. Sandesh Kumar, Manish M, Gurukiran, Manoj, Nikil S Kumar published a paper titled "Mechanized Framework for Fake News Discovery Utilizing NLP And Machine Learning Approach from Twitter", in IJCESR, vol 7, issue 6, p:58-62, June 2020.

B. Conference Presentations:

1. Rahul Adiga C, Sameeksha U Raikar, Suma S H, Sumanth S, H. V. Balachandra Achar, presented a paper titled "SaviourDrone: The Drone Designed To Help InMedical Emergencies", International Conference on Emerging Trends in Science and Engineering, Shri Madhwa Vadiraja Institute of Technology and Management, Bantakal, 10-11 July 2020.

2. Y Suhas Kumar, Darshan G Shetty, Yajnesh Anchan, Shreyas, Rajashree Nambiar, presented a paper titled "A New Design System of Quadcopter with Autonomous Flight Control", International Conference on Emerging Trends in Science and Engineering, Shri Madhwa Vadiraja Institute of Technology and Management, Bantakal, 10-11 July 2020.

3. Sushmitha, Rashmitha, Sneha, Priyanka Dsouza, Renita Pinto, presented a paper titled "Secured product delivery UAV based Windcopter", International Conference on Emerging Trends in Science and Engineering, Shri Madhwa Vadiraja Institute of Technology and Management, Bantakal, 10-11 July 2020.

4. Shwetha, Sowmya, Tejas Upadhya K C, Vikhyath N V, Ranjith Bhat presented a paper titled" Bus Tracking System Using GPS & Android Application", International Conference on Emerging Trends in Science and Engineering, Shri Madhwa Vadiraja Institute of Technology and Management, Bantakal, 10-11 July 2020.

5. Akshatha B Bhat K, Elein Jisha Lewis, Branda, Amitha Kundar, Laxmi Shetty presented a paper titled "Sentimental analysis using speech streams", International Conference on Emerging Trends in Science and Engineering, Shri Madhwa Vadiraja Institute of Technology and Management, Bantakal, 10-11 July 2020.

6. Akshatha Hari Bhat, Balachandra Achar H V presented a paper titled" A combination of Wireless and Optical Mode Communication in sensor networks for efficient data transmission", International Conference on Emerging Trends in Science and Engineering, Shri Madhwa Vadiraja Institute of Technology and Management, Bantakal, 10-11 July 2020.

7. Sachin Bhat, Thejashree, Thrishna, Chaithra, Vidyashree presented a paper titled "Extraction of Human Body Measurement Using Green Screen Segmentation", International Conference on Emerging Trends in Science and Engineering, Shri Madhwa Vadiraja Institute of Technology and Management, Bantakal, 10-11 July 2020.

8. Carol DSilva, Lavanya, Manisha S Jogi, Prajna, Shashikala R "Smartphone Based Attendance System for Staff", International Conference on Emerging Trends in Science and Engineering,

Shri Madhwa Vadiraja Institute of Technology and Management, Bantakal, 10-11 July 2020.

9. Sachin Bhat, Kannika Priyadarshini, Bhagyashree Bhat, Harshitha, Annapurna Upadhyaya presented a paper titled "Transliteration of Kannada text from images to English", 5th research colloquium on Advances in Engineering and Technology at MIT, Dubai, 12 July 2020 (Best paper award in track IT).

10. Sachin Bhat, U Pooja Nair, Suraksha, Rushali Nair, Vinutha presented a paper titled "An approach towards the text summarization of Hindi news portals", 5th research colloquium on Advances in Engineering and Technology at MIT, Dubai, 12 July 2020 in (Best paper award in track AI).

11. Sachin Bhat, Rushali Naik, Vinutha, Suraksha, U Pooja Nair presented a paper titled "An enhanced fuzzy probabilistic C-means method for the segmentation of lung tumors", 5th research colloquium on Advances in Engineering and Technology at MIT, Dubai, 12 July 2020(Consolation prize in track AI).

12. Sachin Bhat, Thrishna, Thejashree, Vidyashree, Chaitra presented a paper titled "Extraction of human body measurement using affine mode correction and green screen segmentation", 5th research colloquium on Advances in Engineering and Technology at MIT, Dubai, 12 July 2020(Best paper award in track EC).

13. Sachin Bhat, Rashi Shetty, Manasa Shetty, Ashwini Shankara Shetty, Chaitrika Shetty presented a paper titled "Air quality monitoring and data analysis", 5th research colloquium on Advances in Engineering and Technology at MIT, Dubai, 12 July 2020(Consolation prize in track IT).

C. FDPs attended:

Name of the faculty	Title of the FDP	Venue
Shashikala R	Research opportunities in Biomedical Engineering	SJEC, Mangalore
Nagaraja Rao	Contemporary tools and techniques for teachers and researchers in higher education: Experience of using Virtual Classrooms"	Cambridge Institute of Technology, Bangalore
Nagaraja Rao	"Design, Analysis and application of Power Electronic Converters"	BMSCE, Bangalore
Nagaraja Rao	"NAAC revised accreditation framework 2020"	JSPM Nahre College Pune
Nagaraja Rao	"How to do best practices for online teaching?"	North Storm Academy, Mumbai
Nagaraja Rao	"Introduction to Scilab"	Spoken Tutorial, IIT Bombay
Dr. Sachin Bhat	Machine Learning using Python	REVA University
Dr. Sachin Bhat	Neural Network and Deep learning	REVA University
Rajashree Nambiar	Blockchain Technology	Organized by Finland Labs
Dr. Sachin Bhat	Applied Machine Learning Using Python	NMAMIT, Nitte
Rajashree Nambiar	Blockchain Technology	VNVR College of Engineering, AP
Dr. Sachin Bhat	Natural Language Processing	REVA University
Arun Upadhyaya	Workshop on LATEX	SMVITM
Sandesh Kumar	Workshop on LATEX	SMVITM
Ganesh Shetty	Workshop on LATEX	SMVITM
Sandesh Kumar	Contemporary Research in Electronics and	Visvesvaraya Technological University

	Communication and Computer Science	
Arun Upadhyaya	Decoding Recent Trends of Machine Learning and Artificial Intelligence	Nagarjuna College of Engineering and Technology, Bengaluru
Dr. Sachin Bhat	Challenges and opportunities in AI and ML	Bheemanna Khandre Institute of Technology
Arun Upadhyaya	Insights on Writing Research Proposals and Funding Opportunities	St. Joseph Engineering College, Managaluru
Dr. Sachin Bhat	Data Analytics using Spark and Scala	REVA University
Nagaraja Rao	"Research Methodology, A detailed research Process"	Sanathana Research and Training Institute Mysuru
Laxmi Shetty	"Research Methodology, A detailed research Process"	Sanathana Research and Training Institute Mysuru
Ganesh Shetty	"Research Methodology, A detailed research Process"	Sanathana Research and Training Institute Mysuru
Sandesh Kumar	"Research Methodology, A detailed research Process"	Sanathana Research and Training Institute Mysuru

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D. Accomplishments:

1. Faculties of Electronics and Communication Engineering have successfully completed 212 online courses during the time of COVID lockdown.
2. Dr. Ganesh Aithal was the Organizing Chair for the International Conference on Emerging Trends in Science and Engineering, Shri Madhwa Vadiraja Institute of Technology and Management, Bantakal, 10-11 July 2020.
3. Dr. Balachandra Achar was the Convener for the International Conference on Emerging Trends in Science and Engineering, Shri Madhwa Vadiraja Institute of Technology and Management, Bantakal, 10-11 July 2020.
4. Dr. Ganesh Aithal, Dr. Balachandra Achar and Dr. Sachin Bhat were appointed as Reviewers for the IEEE Discover-2020 International Conference.
5. Arun Upadhyaya Coordinated "ANVESHANA", Online mock CET, CET Uploading Documents by CET aspirants held at Shri Madhwa Vadiraja Institute of Technology and Management, Bantakal.
6. Arun Upadhyaya was an organizing committee member and resource person for ONLINE TEACHING TOOLS held at Shri Madhwa Vadiraja Institute of Technology and Management, Bantakal, from 10-12 August 2020.
7. Arun Upadhyaya was a resource person in Two Weeks FDP on Changing Trends in Teaching-Learning Program Schedule with Venue Details held at Shri Madhwa Vadiraja Institute of Technology and Management, Bantakal, in June 2020.
8. Arun Upadhyaya coordinated the webinars on A Mathematical Approach in Cipher System by Dr. Ganesh Aithal on 02 June and webinar to PU students by Prof. Somayaji on 20 June 2020.
9. Arun Upadhayay joined as a professional member in The Society of Digital Information and Wireless Communications.
10. Rs. 1 Lakh sanctioned to Dr. Sachin Bhat under competitive research grant by TEQIP.
11. Dr. Sachin Bhat won young researcher award 2020 by Green thinkers International Society.
12. Dr. Sachin Bhat chaired a session in the International Conference on Emerging Trends in Science and Engineering, Shri Madhwa Vadiraja Institute of Technology and Management, Bantakal, 10-11 July 2020.
13. Dr. Sachin Bhat chaired the conference session in AEIT 2020 at MIT, Dubai on 12-13 July 2020.

14. Dr. Sachin Bhat was Chief Guest and chaired the conference session in VISTARA 2020: National Conference at SGBIT, Belagavi on 29-30 July 2020.
15. Dr. Sachin Bhat was appointed as Senior Member in the International society of Artificial Intelligence.
16. Dr. Sachin Bhat was appointed as Reviewer for The Science and Information Organization, United Kingdom.
17. Dr. Sachin Bhat was appointed as a senior member in the Institute of research engineers and doctors.
18. Dr. Sachin Bhat was appointed as a reviewer for 3 Scopus indexed journals, IEEE access, Journal of Computer Science and SAGE Publication.
19. Dr. Sachin Bhat joined as a professional member in International Association of Engineers
20. Laxmi Shetty joined as a professional member in Association for Computing Machinery.

Knowledge Upskilling by Faculty/Staff during Lockdown

S.I.	Faculty name	Online courses completed	Online FDPs attended	Webinars attended
1	Balachandra Achar	5	1	5
2	Nagaraja Rao	13	1	15
3	Arun Upadhyaya	12		16
4	Laxmi Shetty	49		9
5	Renita Pinto	7		
6	Sachin Bhat	25		
7	Sowmya Bhat	4	2	8
8	Ranjith Bhat	9		
9	Shareen Noronha	9		
10	Sandesh Kumar	14		1
11	Chetan R	5	2	15
12	Rajashree Nambiar	9		
13	Shashikala R	9		6
14	Krishna Kumar P	9		
15	Avinash N J	5		
16	Ganesh Shetty	14		
17	Divya Kumari K.	7		15

YouTube channels of faculty members

S.I.	Faculty Name	YouTube Channel Link
1	Ms. Laxmi Shetty	https://www.youtube.com/user/05laxmishetty
2	Mr. Arun Upadhyaya	https://www.youtube.com/c/ArunUpadhyaya/
3	Mr. Nagaraja Rao	https://www.youtube.com/channel/UC68SV57xMPfk7tjJ1I_2Rjw/
4	Ms. Renita Pinto	https://www.youtube.com/channel/UCopBB921K9hK49ZoeLTstDA/
5	Ms. Sowmya Bhat	https://www.youtube.com/channel/UCfMfti5ejWCmv7Pvh33lbUw/
6	Mr. Ranjith Bhat	https://www.youtube.com/user/Ranjithbhat444

PLACEMENTS

S.I. No.	Name of Student	Name of Company
1	CHAITHRA	Accord Global Technology Solutions
2	KAVYA	Amazon
3	SURAKSHA	Cognizant Technology Solutions
4	VAISHNAVI PAI	
5	ELEIN JISHA LEWIS	DXC Technology
6	SUSHMITHA	
7	KANNIKA PRIYADARSHINI	IBM
8	RUSHALI NAIK	
9	SURAKSHA	
10	DARSHAN G. SHETTY	Infosys
11	DIVYA GURUNATH SHET	
12	MANISHA SUVARNA	
13	SANDEEP SALVANKAR	
14	SANJITHA V SHETTY	
15	SHUBHA H KOTIAN	
16	Y. SUHAS KUMAR	
17	VISHRUTHI V. KOTIAN	Manipal Technologies
18	LAVANYA	Pentagon Space
19	PRUTHVIJA U. SHETTY	
20	SNEHA	
21	ANNAPURNA UPADHYA	Qspiders
22	SUSHMITHA SHERIGAR	
23	TANUSHA C. SHETTY	
24	HARSHITHA	Resguardo Industries
25	PRAJNA	
26	RUSHALI NAIK	Robosoft Technologies
27	U. POOJA NAIR	
28	MANISHA S. JOGI	Talentio Solutions
29	PRUTHVIJA U. SHETTY	
30	SANJITHA V. SHETTY	
31	SWASTHI S. SHETTY	
32	TANUSHA C. SHETTY	
33	VAISHNAVI PAI	
34	VISHRUTHI V. KOTIAN	
35	Y. SUHAS KUMAR	
36	BHAGYASHREE BHAT	Tata Consultancy Services
37	MANISH M.	
38	RACHANA D SHETTY	
39	SUMANTH S	
40	THEJASHREE	
41	THRISHNA	

42	CAROL DSILVA	
43	VAISHNAVI PAI	**Tayana Software Solutions**
44	CAROL DSILVA	
45	RAHUL ADIGA C.	
46	DIVYA GURUNATH SHET	
47	MANISHA S. JOGI	**Wipro**
48	SHRILAXMI	
49	Y. SUHAS KUMAR	
50	SANMAYA RAO	

DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

VISION

To emerge as an excellent technical education centre and be an integral part in the development of advancing technologies and global challenges, in the field of Electronics and Communication Engineering.

MISSION

1. To facilitate an ambience conducive to the excellence in technical education.

2. To provide a platform that will ensure the exchange of ideas and dissemination of knowledge.

3. To establish a research-oriented centre by having rapport with industries.

4. To foster ethical and value-based education with credibility by promoting activities that have societal impact.

PROGRAMME EDUCATIONAL OBJECTIVES

The graduate of Electronics & Communication Engineering should be able to:

1. Exhibit essential knowledge of applied sciences, mathematical modelling, logical interpretation and virtual realization to resolve real-time problems in the field of Electronics and Communication Engineering.

2. Work productively as an Electronics and Communication Engineer, including supportive and leadership roles on multidisciplinary teams.

3. Inculcate effective communication skills to excel in professional growth.

4. Take part in lifelong learning in pace with the advancing technological society.

PROGRAMME SPECIFIC OUTCOMES

Graduates of Electronics & Communication Engineering will be able to:

1. Focus on developing and exposure to alternative/ advanced technologies: Understand the concepts of Electronics & Communication Engineering and its application in the fields of signal processing, control systems, embedded systems, VLSI design, networking, and communication.

2. Extension of knowledge and testing facilities for the society: Apply domain-specific knowledge to design, analyse, synthesise and validate real-time problems in Electronics & Communication Engineering.