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INSTITUTE OF TECHNOLOGY AND MANAGEMENT

Avalahalli, Doddaballapur Main Road, Bengaluru - 560064

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

MONTHLY PROGRESS REPORT FOR THE MONTH OF MAY - 2020

Date: 10/06/2020

Faculty as Resource Person:

1. Dr. Vijayalakshmi G V, Associate Professor, Department of ECE has extended her support as Resource person in Two week online refresher course / FDP on Recent trends on “Information , Computing, Communication and Teaching methodology competency” organized by the departments of CSE, ECE and IT of Sri Sairam Engineering College from 4th to 17th May 2020.
2. Dr. Dankan Gowda V, Assistant Professor, Department of ECE has extended his support as Resource person for Online Webinar on “Google LMS Tools for Online Teaching”, from 18th to 19th May 2020 at Department of Computer Science and Engineering, East West Institute of Technology Bangalore.
3. Dr. Dankan Gowda V, Assistant Professor, Department of ECE has extended his support as Resource person for Online Webinar on “IoT Simulation using TinkerCAD”, on 9th May 2020 at Department of ISE, Sri Krishna Institute of Technology, Bangalore.
4. Dr. Dankan Gowda V, Assistant Professor, Department of ECE has extended his support as Resource person for Two Day’s Workshop on “IoT Simulation using TinkerCAD” held on 28th and 29th May 2020 at Department of Electronics and Communication Engineering, Yenepoya Institute of Technology, Moodbidri, Mangalore, Karnataka.

Student Awards/Recognition:

1. Project titled “Rescue system for Road accidents” is selected for KSCST, 43rd Series of Student Project Programme: 2019-20. The team will get the financial assistance of Rs 4000.

Guide: Prof. Mamatha K R

Student group:

1BY16EC006 ADITYA N RAO

1BY16EC011 ANANTH S BHAT

1BY16EC014 ANUBHAV



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2. Project titled “Application of Deep neural networks for Real time detection of Arrhythmia using wearable ECG signal analysis” is selected under AVISHKAR project competition, VTU. The team will get the financial assistance of Rs. 5000.

Guide: Prof. Saneesch C T

Student group:

1BY16EC084 SUHAS TG

1BY16EC085 SURABHI B SESHADRI

1BY16EC087 V SASHANK REDDY

1BY16EC104 SANKESH BOTHRA G

Reviewer for Journal / Conference:

1. Dr. Shanti Chandra, Assistant Professor, Department of ECE was a reviewer for International Journal of Systems Science (Taylor & Francis).
2. Dr. Shanti Chandra, Assistant Professor, Department of ECE was a reviewer for International journal of biomedical and clinical Engineering (IJBCE), IGI Global Publication.
3. Robin Singla, Assistant Professor, Department of ECE was a reviewer for Carbon an Elsevier publication.

OBE activity

1. Suryakanth B, Assistant Professor, ECE Department, conducted an online quiz activity in the course ARM & Embedded system on 27/05/2020 for 6th semester A and B section students.
2. Robin Singla, Assistant Professor, ECE Department, conducted an online quiz activity in the course Microcontroller lab on 08/05/2020 for 4th semester A section students.
3. Robin Singla, Assistant Professor, ECE Department, conducted online quizzes in the course Wireless LTE on 08/05/2020 and 23/05/2020 for 8th semester A section students.

Department Project presentations

Sl no:	No: of Batches	Date	No: of Students	Description (Brief topics of Projects)
1	18	20/05/2020 21/05/2020 22/05/2020	104	Applications using Robots, biomedical signal processing using CNN, Machine learning applications, IoT and embedded systems application, Biometrics, precision agriculture, smart home

Department Seminar presentations



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Sl no:	No: of Batches	Date	No: of Students	Description (Brief topics of Seminars)
1.	13	18-4-2020	49	IOT, AI, Satellite Communication
2.	8	20-4-2020	30	IOT, AI, ML, Data science
3.	7	21-4-2020	25	IOT, AI, ML, Semiconductor

Classes handled by the department (from 01.05.2020 to 31.05.2020)

Sl no:	Department	Semester	No: of Theory classes	No: of Practicals classes	Description (Brief topics of Seminars)
1	ECE	2 nd , 4 th , 6 th and 8 th	361	54	

Publication of Research Papers by the Faculty Members, BMSIT&M

International Journal:

1. Shanti Chandra, "A Comparative Analysis of Performance of Several Wavelet Based ECG Data Compression Methodologies", IRBM, Elsevier, SSN: 1959-0318, May 2020.

Indexing:

Elsevier BIOBASE, Hinari, LiSSa - Littérature Scientifique en Santé, Embase, Pascal Francis, Scopus, Science Citation Index Expanded Doi: <https://doi.org/10.1016/j.irbm.2020.05.004>

Workshops / Seminars / FDPs attended

FDP /Workshops/STTP attended:

1. Dr. Vijayalakshmi G V, Associate Professor, Department of ECE has attended online workshop on " AI and Embedded systems in Space science", organized by AIROBOTICA Services Pvt. Ltd on 23rd and 24th May, 2020.



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2. Dr. Vijayalakshmi G V, Associate Professor, Department of ECE has attended webinar entitled “Remote Learning for Academic Excellence”, on 15th May 2020 organized by Department of Computer Science and Engineering, ACSCE, Bangalore.
3. Dr. Vijayalakshmi G V, Associate Professor, Department of ECE has attended webinar entitled “Trending Technologies in Industries and Career Guidance” on 6th May 2020 organized by Department of Information Science and Engineering of Sri Krishna Institute of Technology, Bengaluru.
4. Dr. Vijayalakshmi G V, Associate Professor, Department of ECE has attended International webinar entitled “Intellectual Property Rights (IPR)” on 15th May 2020 organized by the Albertian Centre for Human Resource Development and Research, St..Albert’s College.
5. Dr. Vijayalakshmi G V, Associate Professor, Department of ECE attended webinar entitled “5G use cases and development of 3GPP 5G radio system and space antenna system”, organized by IEEE BIT in association with IEEE Bangalore section on 22nd and 23rd May 2020.
6. Dr. Vijayalakshmi G V, Associate Professor, Department of ECE has attended online FDP on MOODLE Learning Management System , from 4th May to 9th May 2020 at Tagore Institute of Engineering and Technology, Attur in association with Spoken Tutorial IIT Bombay Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNMTT), MHRD, Govt. of India.
7. Dr. Dankan Gowda V, Assistant Professor, Department of ECE has attended online FDP on MOODLE Learning Management System , from 4th May to 9th May 2020 at Tagore Institute of Engineering and Technology, Attur in association with Spoken Tutorial IIT Bombay Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNMTT), MHRD, Govt. of India.
8. Dr. Dankan Gowda V, Assistant Professor, Department of ECE has attended online FDP on Managing Online Classes and Co-Creating MOOCS, from April 20th to 6th May 2020 at Ramajuna College Delhi University, in association with Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching(PMMMNMTT), MHRD, Govt. of India.
9. Dr. Dankan Gowda V, Assistant Professor, Department of ECE Attended a webinar on “5G usecases and development of 3GPP 5G new radio system and space antenna system” organized by IEEE BIT in association with IEEE Bangalore Section on 22nd and 23rd May 2020
10. Dr. Dankan Gowda V, Assistant Professor, Department of ECE Attended online Webinar on “SAP Analysis Cloud (SAC)” organised by the Department of Computer Engineering, Sandip Institute of Engineering and Management on 12th May 2020.



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11. Dr. Dankan Gowda V, Assistant Professor, Department of ECE participated in a webinar on “Managing Competencies in Building Career” on 22nd May 2020, organized by Department of ISE, SKIT Bangalore.
12. Dr. Dankan Gowda V, Assistant Professor, Department of ECE Participated in the International Webinar on “Intellectual Property Rights (IPR)” organized by Albert Centre for Human Resource Development and Research, St. Albert College on 15th May 2020. Ernakulam, Kochi, Kerala.
13. Dr. Dankan Gowda V, Assistant Professor, Department of ECE Participated in the Webinar on “Medical Drive” organized by Department of Electrical and Electronics Engineering on 16th May 2020. RRCE Bangalore.
14. Chandrababha, Assistant Professor, Department of ECE attended webinar entitled “5G use cases and development of 3GPP 5G radio system and space antenna system”, organized by IEEE BIT in association with IEEE Bangalore section on 22nd and 23rd May 2020.
15. Chandrababha, Assistant Professor, Department of ECE has attended FDP on MOODLE Learning Management System , from 4th May to 9th May 2020 at Tagore Institute of Engineering and Technology, Attur in association with Spoken Tutorial IIT Bombay Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNTT), MHRD, Govt. of India.
16. Chandrababha, Assistant Professor, Department of ECE participated and completed FDP on “National Cyber Safety and Security Standards” from 28th May to 30th May 2020 organized by Department of MCA, SMVIT.
17. Chandrababha, Assistant Professor, Department of ECE participated and completed FDP on Digital Technologies held on 15th & 16th May 2020 using Digital Platform organised by TCS.
18. Shilpa Hiremath, Assistant Professor, Department of ECE attended webinar entitled “5G use cases and development of 3GPP 5G radio system and space antenna system”, organized by IEEE BIT in association with IEEE Bangalore section on 22nd and 23rd May 2020.
19. Shilpa Hiremath, Assistant Professor, Department of ECE attended webinar entitled “Step towards meaningful learning ”, organized by Sarva siddhantha academy for technical education, Bangalore on 6th May 2020.
20. Shilpa Hiremath, Assistant Professor, Department of ECE attended online FDP on “Digital Technologies” from 15th to 16th May 2020 organized by ISE Dept., BIET in association with TCS, Davangere.



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21. Shilpa Hiremath, Assistant Professor, Department of ECE attended online FDP on “Ethical hacking & penetration testing” from 28th to 30th May 2020 organized by MCA dept., Sir MVIT in association with National Cyber Safety & Security Standards, Bangalore.
22. Dr. Shanti Chandra, Assistant Professor, Department of ECE attended online FDP on “Digital Technologies” from 15th to 16th May 2020 organized by ISE Dept., BIET in association with TCS, Davangere.
23. Dr. Shanti Chandra, Assistant Professor, Department of ECE attended online FDP on “Ethical hacking & penetration testing” from 28th to 30th May 2020 organized by MCA dept., Sir MVIT in association with National Cyber Safety & Security Standards, Bangalore.
24. Dr. Shanti Chandra, Assistant Professor, Department of ECE attended online FDP on “Artificial Intelligence” from 22nd to 26th May 2020.

Online Course completed (faculty)

1. Dr. Dankan Gowda V, Assistant Professor, Department of ECE has completed 9 Weeks COURSERA **online course on the topic** “Introduction to Programming with MATLAB” on 25th May 2020.
2. Dr. Dankan Gowda V, Assistant Professor, Department of ECE has completed 29 hours UDEMY **online course on the topic** “The Complete Android App Development Master class: Build Apps” on 15th May 2020.
3. Dr. Dankan Gowda V, Assistant Professor, Department of ECE has completed 293 hours UDEMY **online course on the topic** “Electrical Engineering” on 11th May 2020.
4. Ravindra V Asundi, Assistant Professor, Department of ECE has completed 1 month certification program organized by IIT Bombay on the topic “Design of solar home systems” in May 2020.
5. Chandraprabha, Assistant Professor, Department of ECE has completed 20 hours UDEMY online course on the topic “Image & video processing: from mars to Hollywood with a stop at the hospital” on 29th May 2020.
6. Shilpa Hiremath, Assistant Professor, Department of ECE has completed 20 hours UDEMY online course on the topic “Image & video processing: from mars to Hollywood with a stop at the hospital” on 29th May 2020.

Online Course completed (Students):

Sl no:	Department	Semester	Course Title	Duration	Certified by	Certified date
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1	ECE	2	<ul style="list-style-type: none">➤ AI For Everyone➤ Improve Your English Communication Skills		Coursera	3 rd June 2020
2	ECE	4	<ul style="list-style-type: none">➤ Python for Everybody,➤ Data Science Math Skills➤ Cybersecurity: Developing a Program for Your Business➤ Neural Networks and Deep Learning➤ Web Design for Everybody: Basics of Web Development➤ Machine Learning with TensorFlow on Google Cloud Platform➤ Architecting Hybrid Cloud Infrastructure with Anthos		Coursera	3 rd June 2020
3	ECE	6	<ul style="list-style-type: none">➤ Python for Everybody,➤ Managing the Company of the Future, The Bits and Bytes of Corporate➤ Structuring Machine Learning Projects➤ Understanding and Visualizing Data with Python➤ Structuring Machine Learning Projects➤ Google IT Automation with Python, Google IT Support➤ Web Design for Everybody: Basics of Web Development➤ Machine Learning, Programming for Everybody		Coursera	3 rd June 2020



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			<ul style="list-style-type: none"> ➤ Deep Learning, ➤ Data Structures and Algorithms, ➤ Structuring ➤ Introduction to Programming in C ➤ Android App Development, ➤ Programming Foundations with Java programming ➤ Ecology: Ecosystem Dynamics and Conservation ➤ Introduction to the Internet of Things and Embedded Systems ➤ Deep Learning, ➤ Neural Networks and Deep Learning ➤ Career Success, ➤ Global Environmental Management ➤ Learn Spanish: Basic Spanish Vocabulary ➤ FPGA computing systems: Background knowledge and introduction ➤ Converter Circuits ➤ Introduction to Power Electronics ➤ Cloud Engineering with Google Cloud, Cloud Engineering with Google Cloud ➤ Graphic Design 			
4	ECE	8	<ul style="list-style-type: none"> ➤ SAS Visual Business Analytics, Getting Started with SAS ➤ An Introduction to Programming the Internet of Things (IOT) ➤ Six Sigma Yellow Belt, Computation 		Coursera	3 rd June 2020



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