



BMS

INSTITUTE OF TECHNOLOGY AND MANAGEMENT

Avalahalli, Doddaballapur Main Road, Bengaluru - 560064

DEPARTMENT OF ELECTRONICS & TELECOMMUNICATION AND ENGINEERING

Date: 31.07.2020

Note :

1. kindly specify the event name, brief out in 4 to 5 lines with one or two photos of good quality.
2. Don't attach any certificate issues to individuals for completion of webinars, online course, workshops, FDPs, STPs.
3. Don't use table format to describe the events.
4. All event photographs should be of **good quality**.
5. Paper publications format should be uniform as mentioned in the template and in the sample reference.
6. For conference/journal papers publications mention the **indexing**.
7. Dates to be in this format (**05.06.2020**).
8. All teaching staff members to be referred as **Prof/Dr** only and not Mr/Mrs/Ms etc...

MoUs / Awards / Recognitions

This should cover any MoUs entered into with external agencies; any awards received by the department / faculty member / student and recognitions like giving expert talk in other institutions / chaired a seminar / BoE member, etc.

MoU: Nil

Session Chair: Nil

BOE: Nil

Faculty as Resource Person:

1. Dr. Raju Hajare delivered invited talk on "Nanotechnology and its Applications" for online webinar conducted by ALVA'S INSTITUTE OF ENGINEERING AND TECHNOLOGY, Moodbidri, Karnataka, 16.07.2020. Faculties and research scholars of various engineering colleges attended the webinar.



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Faculty Awards:

1. Prof. Banuprakash R, H Ganapathy Hebbar, N Jananai, Neha R, Raghav KK and Sudha M, are conferred the “BEST PAPER AWARD” for the paper titled “Microstrip Array Antenna for 24GHz Automotive RADAR” in 7th IEEE International Virtual conference on Smart Structures and Systems –ICSSS 2020 held on 23.7.2020 and 24.7. 2020 at Saveetha Engineering College, Chennai- Scopus Indexed.

2. Prof. Prathiba.N ,Banuprakash R, Vivek R, Hemanth G, Bharath kumar S and MD Yasin Faisal, are conferred the “BEST PAPER AWARD” for the paper titled “A Compact Reconfigurable UWB Antenna For Short-Range Wireless Applications” in 7th IEEE International Virtual conference on Smart Structures and Systems –ICSSS 2020 held on 23.7.2020 and 24.7. 2020 at Saveetha Engineering College, Chennai- Scopus Indexed.

Out Reach Activity: Nil

Reviewer for Journal / Conference: Nil

Collaborative Research: Nil

Memorable Moments / Best practices (Don't include the regular process that is followed throughout the college)

Any activity conducted by the department which had good impact and was memorable in nature.

Note: kindly specify the event name, brief out in 4 to 5 lines with one or two photos of good quality.

Memorable events may include: external committee visits, orientation day, PTM, OPEN DAY

Industry – Institute Interaction

This should cover industrial visits, industry experts visiting the institute, faculty internships, student internships etc.

Industrial Visit: Nil

Faculty Internship:

1. Dr. Raju Hajaare, Associate Professor, ETE has undergone industry internship on “ Advanced embedded system design using Tiva C series Microcontroller “at Edgate, from 28.6.2020 to 7.7.2020.



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2. Prof. Mallikarjuna Gowda C P, Associate Professor, ETE has undergone industry internship on “ Advanced embedded system design using Tiva C series Microcontroller “ at Edgate, from 28.6.2020 to 7.7.2020.
3. Prof. Banuprakash R, Asst Professor, Dept of ETE, undergone 10 days Online Industry internship at “Syntronix”-Bengaluru in the field of RF communication from 06.07.2020 to 16-07-2020.
4. Prof.Sumathi M S , Asst Professor, Dept of ETE, has undergone industry internship on “ Advanced embedded system design using Tiva C series Microcontroller “ at Edgate, from 28.6.2020 to 7.7.2020.

Student Internship: Nil

Workshops / Faculty Development Programmes/ Fests

This should cover workshops conducted by the department wherein external agencies / participants were part of the workshop / FDPs conducted and fests like inter collegiate technical fest.

Note: kindly specify the event name, brief out in 4 to 5 lines with one or two photos of good quality.

Students Workshop conducted/ organised:Nil

FDP conducted/ organised:Nil

Technical Fest:Nil

Seminars / Expert Talks

This should cover seminars conducted by the department and talks given by subject experts.

Expert talk organized: Nil

Research Work

Research Proposals submitted:Nil

5. **Research Proposals granted:Nil**



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Departmental Co-curricular Activities :Nil

This should cover activities like blended classes / quiz, etc.

OBE activity

1. Partial Delivery conducted
2. Other activities like blended class, poster presentation , quiz...etc

Department Project presentations (if any)

<u>Sl no:</u>	<u>No: of Batches</u>	<u>Date</u>	<u>No: of Students Participated</u>	<u>Description (Brief Domains)</u>
	<u>NIL</u>			

Department Seminar presentations(if any)

<u>Sl no:</u>	<u>No: of Batches</u>	<u>Date</u>	<u>No: of Students</u>	<u>Description (Brief Domains)</u>
	<u>Nil</u>			

Classes handled by the department (from 01.07.2020 to 31.07.2020)

<u>Sl no:</u>	<u>Department</u>	<u>Semester</u>	<u>No: of Theory classes</u>	<u>No: of Practicals classes</u>
	<u>NIL</u>			

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

This should cover only papers published by national / international magazines / journals with volume, ISSN Nos, impact factor, etc.

International Journal:

- 1.Prof.Mallikarjuna Gowda C P and Vijayakumar T, “Performance of Selective Channel Assignment Method in Cognitive Radio System”, International Journal of Advanced Science and Technology (IJAST), ISSN: 2005 - 4238 , Volume- 29, Issue-10 S; 2020 June 30; 3826 - 3840 (Scopus)
2. Dr. Raju Hajare, published paper titled “Design and development of combat robot for military applications” in IJRES journal –July -2020(Peer reviewed and nonpaid)



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3. Prof. Siddiq Iqbal, Sushmitha K R , Vaishnavi P S, Rashmi Dhananjaya Shastri, Shivangi Jain published a paper titled “Key Management Schemes for Distributed and Centralised WSNs: A Survey” Journal of Xidian University, Scopus indexed journal ISSN: 1001-2400, Volume-14, Issue-7, July 2020.

4. Prof. Raghunandan.G.H, Dr.A. Shobha Rani has published a research paper on Design and Implementation of Efficient Routing Algorithm for Wireless Sensor Networks in **IJAST**, Vol. 29, No. 3, 2020, **Scopus and SCI indexed Journal**

International Conference:

(Also mention the indexing of the Precedence)

1. Prof. Thejaswini S, Dr. K M Ravi Kumar , “EEG Based Emotion Detection using Hybrid LSTM” , 3rd International Conference ICETSE 2020 , S J C Institute of Technology, Chickballapur, Karnataka, 19.7.2020.
2. Prof. Banuprakash R and Hariprasad S A, published a research paper titled “ A miniaturized multiband antenna using SRR and DGS for Cognitive radio applications” in Journal of Xidian University, ISSN No: 1001-2400, Volume 14, Issue 7, pp. 1180-1188, July 2020- Scopus Indexed.
3. Prof. Banuprakash R, Lekhya Sindura N , Madhushree M , Chethana C and Mahima R D, have presented a paper with title “A Compact multiband patch antenna for 5G applications using rectangular slotted DGS” ” in 7th IEEE International Virtual conference on Smart Structures and Systems –ICSSS 2020 held on 23.7.2020 and 24.7. 2020 at Saveetha Engineering College, Chennai- Scopus Indexed.
4. Prof. Banuprakash R, H Ganapathy Hebbar, N Jananai, Neha R, Raghav KK and Sudha M, have presented a paper with title “Microstrip Array Antenna for 24GHz Automotive RADAR” in 7th IEEE International Virtual conference on Smart Structures and Systems –ICSSS 2020 held on 23.7.2020 and 24.7. 2020 at Saveetha Engineering College, Chennai- Scopus Indexed.
5. Prof. Banuprakash R, Pratibha M, Vivek R, Hemanth G, Bharathkumar S and MD Yasin Faisal, have presented a paper with title “A Compact Reconfigurable UWB Antenna For Short-Range Wireless Applications” in 7th IEEE International Virtual conference on Smart Structures and Systems –ICSSS 2020 held on 23.7.2020 and 24.7. 2020 at Saveetha Engineering College, Chennai- Scopus Indexed.
6. Prof. Sowmyashree M S , Prof. Saritha I G , Ms Archana Arun , Ms Manasa M , Ms Samhitha & Ms Spoorthi H S , “Trace file analysis of congestion window to find throughput and PDR” , 3rd International Conference ICETSE 2020 , S J C Institute of Technology, Chickballapur, Karnataka, 19.7.2020.
7. Prof. Sumathi M S , Prof. Shruthi , Nischitha , Gagana, Krithika , Samruddhi ” Mitigating Losses in landslide detection for an early warning system with wireless sensor networks “3rd International Conference ICETSE 2020 , S J C Institute of Technology, Chickballapur, Karnataka, 19.7.2020.



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8. Prof .Sumathi M S , Prof Shruthi , “ Forecasting & Detection of Flood using Random Forest Learning Method” “3rd International Conference ICETSE 2020 , S J C Institute of Technology, Chickballapur, Karnataka, 19.7.2020.

National conference :Nil

Magazine:Nil

Book Chapter:Nil

Sports :Nil

Placement Activities at BMSIT&M:Nil

Workshops / Seminars / FDPs attended

This should cover details of workshops / seminars / FDPs attended by the faculty members with small briefing about the event and how it helps the faculty member / institute.

This should cover details of papers presented in the conferences / workshops.

FDP /Workshops/STTP attended (faculty):

- 1.Prof. Mallikarjuna Gowda C P, Associate Professor, Department of ETE, participated in Five days online FDP Program on " "PCB Design" " organised by department of Electronics and communication Engineering, VVIET, Mysuru from 29.6.2020 to 3.7. 2020.
2. Dr. Raju Hajare , Associate Professor, Department of ETE attended FDP (9 days) starting from 29-6-2020 to 7-7-2020,) on “Nano Science and Nanotechnology conducted by Satyabhama University Chennai in association with IIITD, Kanchipuram, Tamilnadu. Duration 29.6. 2020 to 7.7.2020
3. Dr. Raju Hajare Associate Professor, Department of ETE ,attended FDP (5 days) on “Sensors and their Applications in Vemana Institute of Technology, Bangalore. Duration 13.7.2020 to 17.7.2020.
4. Prof. Saritha I G and Prof. Sowmyashree M S , Prof Sumathi M S and Prof . Prathiba N , Asst Professors, Dept of ETE attended 5 days FDP on “Mathematical Concepts By Using Free Open Source Softwares (Foss),organised by Department of Mathematics, BMSIT& M, Bengaluru held during 21.7.2020 and 25.7.2020.

FDP /Workshops/STTP attended (nonteaching staff):



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1. Prakash Kumar H N , Foreman, Department of ETE attended FDP on “ICT tools for course preparation and evaluation using Gnomio and kahoot “ on 27.7.2020 to 27.7.2020 at Bahubali college of Engineering, Shravanabelagola
2. M N Chalapathy , Asst Instructor , Department of ETE attended FDP on “ICT tools for course preparation and evaluation using Gnomio and kahoot “ on 27.7.2020 to 27.7.2020 at Bahubali college of Engineering, Shravanabelagola .
3. Geetha N , Asst Instructor, Department of ETE attended FDP on “ICT tools for course preparation and evaluation using Gnomio and kahoot “ on 27.7.2020 to 27.7.2020 at Bahubali college of Engineering, Shravanabelagola

Online Course completed (faculty):

1. Dr Seema Singh completed an online 4 weeks course on " Neural Networks and Deep Learning" offered by COURSERA on 31.7.2020.
2. Prof. Mallikarjuna Gowda C P, Associate Professor, Department of ETE, completed course on “"Network Transformation - 102", an online non-credit course authorized by intel network academy, offered through Coursera on 17.07.2020.
3. Prof. Mallikarjuna Gowda C P, Associate Professor, Department of ETE, completed course on “"Fundamentals of Network Communication", an online non-credit course authorized by University of Colorado System, offered through Coursera on 7.07.2020.
4. Prof. Mallikarjuna Gowda C P, Associate Professor, Department of ETE, completed course on “"The Bits and Bytes of Computer Networking", an online non-credit course authorized by Google, offered through Coursera on 20.07.2020.
5. Prof. Mallikarjuna Gowda C P, Associate Professor, Department of ETE, completed course on “"Network Transformation - 101", an online non-credit course authorized by intel network academy, offered through Coursera on 23.06.2020.
6. Prof. Thejaswini S, Asst Professors, Dept of ETE ,has completed an online course on “Improving Deep Neural Networks: Hyperparameter tuning, Regularization and Optimization offered through Coursera on 16.7.2020 (3 weeks)
7. Prof. Thejaswini S, Asst Professors, Dept of ETE , has completed an online course on “Introduction to programming with MATLAB” through Coursera on 16.7.2020 (9 weeks)



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8. Prof. Saritha I G and Prof. Sowmyashree M S, Asst Professors, Dept of ETE, Completed an online course on "Human Resource management" through Coursera on 16.7.2020 (4 weeks)

Online Course completed (nonteaching staff):

Online Course completed (Students):

Webinars Attended (faculty):

Online webinar:

1. Dr Seema Singh attended a webinar on "REVIEW PAPER WRITING FOR HIGH IMPACT FACTOR JOURNALS", organized by NAVKIS COLLEGE OF ENGINEERING, HASSAN on 25th July, 2020.
2. Prof. Mallikarjuna Gowda C P, Associate Professor, Department of ETE, has received certificate of participation in the webinar on the topic "Software Defined Radio (SDR) Platform for Engineering Education & Research using National Instruments (NI)", on 30.07.2020, organised by VTU CPGS, Mysuru (Online).
3. Prof. Mallikarjuna Gowda C P, Associate Professor, Department of ETE, has received certificate of participation in the webinar on the topic "HAM (AMATEUR) RADIO IN PRESENT TECHNOLOGIES", on 23.07.2020, organised by Dept. of Telecommunication, BMSCE in association with Indian Institute of HAMS (Online).
4. Prof. Mallikarjuna Gowda C P, Associate Professor, Department of ETE, has received certificate of participation in the webinar on the topic "Introduction to Intrusion Prevention System", on 22.07.2020, organised by CySecK cyber security Karnataka, K-Tech CoE for cyber security (Online).
5. Prof. Thejaswini S, Asst Professors, Dept of ETE, has participated in webinar on "Review Paper Writing for High Impact Factor Journals" organized by the Department of Mechanical Engineering on 25.7.2020, Navkis College Of Engineering, Hassan.
6. Prof. Siddiq Iqbal, Asst Professor, ETE, has participated in a webinar on "BLOCKCHAIN" organized by BMSIT&M in association with TPCRA, ISA & BlockEdu, Bengaluru, on 17.7.2020.
7. Prof. H Ganapathy Hebbar "Visiting professor BMSIT&M" attended one week webinar on "Advanced antenna design and development for RF communication systems" held during 20.7.2020 to 25.7.2020, jointly organized by IETE and ATMS (Antenna test and measurement society of INDIA).
8. Prof. Prathiba N, Assistant Professor, Dept. of ETE has received certificate of achievement after successfully completing the assessment and participating in the webinar on the topic "Secrets to combat covid-19", organised by Dept. of Physics, BMSIT&M on 29.7.2020.



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9. Prof .Prathiba.N,Assistant Professor, Dept.of ETE attended 5 days Webinar on “Modern trends in Internet of Things),organised bySchool of Computing and Information Technology, Reva University, Bengaluru held during 6.7.2020 to 10.7.2020.

Webinars Attended (nonteaching staff):

1. Geetha N and M N Chalapathy , Asst Instructor , Department of ETE attended webinar on “Effective management of Institutional E waste “ on 30.7.2020 at GSSS Institute of Technology , Mysore .
2. M N Chalapathy , Asst Instructor , Department of ETE attended webinar on “Secrets to Combat covid-19 on 29.7.2020 at BMS Institute of Technology , Bangalore
3. Geetha N , Asst Instructor , Department of ETE participated in online webinar HAM (AMATEUR) radio in present technologies held on 23 July 2020 conducted in association with Indian institute of HAMS and department of telecommunication engineering BMSCE, Bangalore.
4. Geetha N , Asst Instructor , Department of ETE attend one day online boot camp for lab instructor in environment issues and safety measures in laboratories by department of Information science engineering CMRIT Bangalore,VTU TEQIP sponsored held on 31 July 2020.
5. Geetha N , Asst Instructor , Department of ETE attend online webinar advances in mobile robotics organized by department of electronics and instrumentation engineering on 15 July 2020 conducted by GSSS institute of engineering technology for women.
6. . Geetha N , Asst Instructor , Department of ETE attend webinar on block chain organized by BMSIT in association with TPCRA & ISA & Blocks Edu dated 17 July 2020.

Online Quiz Attended (faculty):

- 1.Prof Thejaswini S , Prof Saritha I G , Prof Sowmyashree M S , Prof Sumathi M S and Prof .Prathiba.N, Assistant Professors, Dept.of ETE, has participated in Online Quiz on “Computer Networks “, organized by Dept.of CSE, Tagore Institute of Engineering and Technology ,Salem, Tamilnadu on 16.7. 2020.
- 2.Prof Saritha I G , Prof Sowmyashree M S and Prof..Prathiba. N,Assistant Professors, Dept.of ETE National level Online Quiz on “Accreditation Process" organized by Dept.of EEE, Hirasugar Institute of Technology ,Nidasoshi on 18.7. 2020.
- 3.Prof Saritha I G and .Prathiba. N,Assistant Professors, Dept.of ETE, has participated “National level Online Quiz on Electric Drives“, organized by Dept.of EEE, Hirasugar Institute of Technology,Nidasoshi on 23.7. 2020.



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4. Prof..Prathiba. N,Assistant Professor, Dept .of ETE, has participated Online Quiz on “Basics of Engineerign Electromagnetics”, organized by Dept .of ECE, Bahubali College of Engineering, Shravanabelagola, Hassan, Karnataka on 15.7. 2020.

5.Prof.Prathiba.N,Assistant Professor, Dept.of ETE, has participated in Online Quiz on “Image processing using Matlab“, organized by Dept.of ECE, Vidyavardhaka College of Engineering ,Gokulum, Mysuru on 7.7.2020.

6.Prof..Prathiba.N,Assistant Professor, Dept.of ETE, has participated in Online Quiz on “ARM Microcontroller and Embedded Systems“, organized by Dept.of ECE, Vidyavardhaka College of Engineering ,Gokulum ,Mysuru on 6.7.2020.

Online Quiz Attended (nonteaching staff):

1. Geetha N , Assistant Instructor Dept.of ETE National level Online Quiz on “Accreditation Process" organized by Dept.of EEE, Hirasugar Institute of Technology, Nidasoshi on 18.7. 2020.

Any other Initiatives by the departments: (Which does not fall in the above categories)