



BMS

INSTITUTE OF TECHNOLOGY AND MANAGEMENT

DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION ENGINEERING

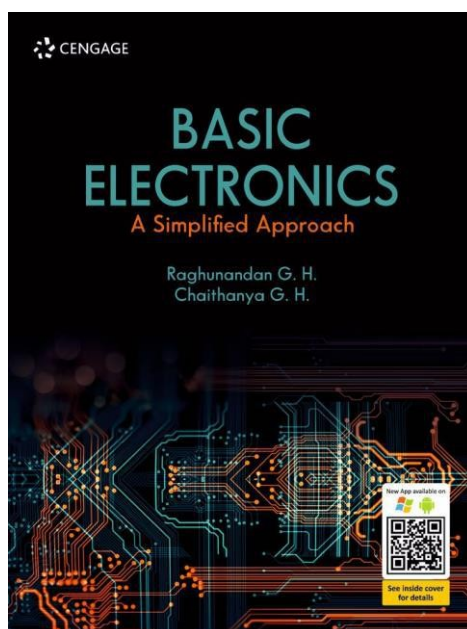
MONTHLY PROGRESS REPORT FOR THE MONTH OF SEPTEMBER- 2018

Date: 03/10/2018

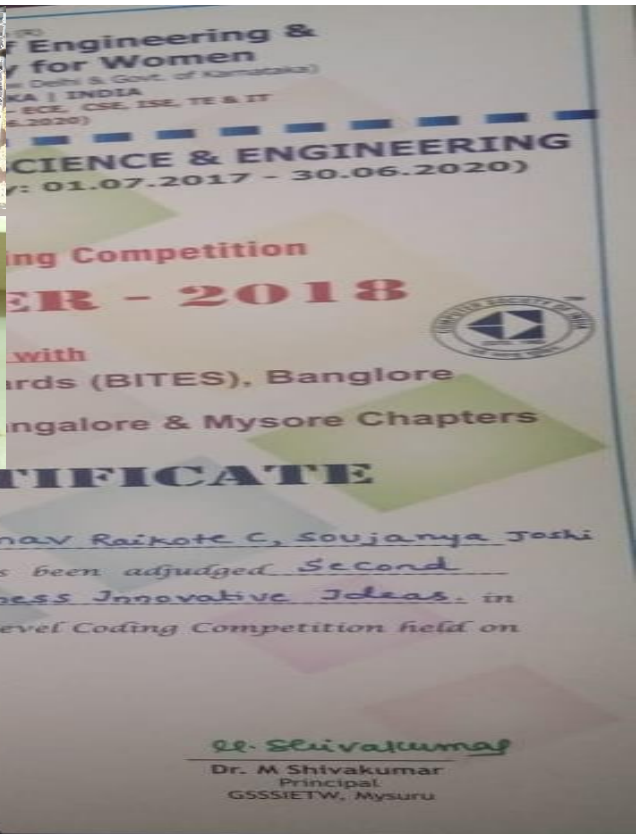
MoUs / Awards / Recognitions

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.

1. Mr. Mallikarjuna Gowda C P has been nominated as BOE member for ECE ,TCE board from VTU for the academic year 2018-19
2. Mr.Raghunandan.G.H, Asst. Professor, Department of TE has authored a Text Book on "Basic Electronics " for first year Engineering published by Cengage Learning.



1. Interdisciplinary project on "Precision agriculture using UAV" has won 2nd best "Project business innovative idea" at CODE IGNITER-2018 a National level competition held on 22nd September 2018 at GSSSIT, Mysore in association with CSI. The students participants were Soujanya Joshi ,3rd TE ,Pranav Raikote, 5th CSE under the guidance of Mr. Raghunandan G H.



Memorable Moments

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

Parent Teacher Meeting

Parent Teacher Meeting (PTM) was held on 29.9.2018 at 10:30AM in the class room (CR – 410) of Telecommunication Engineering department. The faculty members of the department were present in the meeting.

The Head of the Department, Dr. C.S. Mala welcomed all the parents. They were introduced to proctors and course coordinators. The following points like Punctuality for the classes, Seriousness of internals for students/parents were discussed. Parents were made aware of the institutional repository system (d-space). Parents were apprised by the proctors and course coordinators the academic progress of their ward. they also informed about their wards talent in extracurricular activities.

The Head of the Department, Dr. C.S. Mala, concluded the meeting by thanking the parents for their time and suggestions.





Parents with Faculty of TE Dept.

Industry – Institute Interaction

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

❑ **Industrial visit to Nano Science and technology Lab**

Department of TE had arranged an industrial visit to Nano Science and technology Lab at VTU PG centre, Muddenhalli, Chikkaballapur for 3rd semester students on 28th September 2018. The industrial visit was arranged by Mr Raju Hajare. He along with 40 students visited lab which had full-fledged facility for nano material synthesis, Characterization of sample prepared. Also there is a Thin film fabrication lab for nano sensors development. Students interacted with the research scholars working on nano sensors. During the visit, they also assured us of providing internship for our students during their semester vacation and facilitate them in carrying out projects as well.



Student's interaction with research scholars at Nano Science and technology Lab
at VTU PG centre, Muddenhalli, Chikkaballapur

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.

NIL

Seminars / Expert Talks

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

Department of Telecommunication Engineering had arranged an talk by our alumni Mr. Rachit Kabra, Founder 1. CEO at Portkey Consulting, addressed students of 5th Sem TE on 29/09/2018. He spoke about the requirements of Start-ups and he explained in detail the questions one need to ask oneself before we initiate a start-up. Students had a nice interaction with Mr. Rachit, this talk helped students to clear their doubts about how to start a start-up. This talk was coordinated by Mr. Siddiq Iqbal, Alumni coordinator & Mrs. Saritha I G, TEA coordinator.



Mr. Rachit interacting with students.



Departmental Co-curricular Activities

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

- ☐ As part of Co-curricular activity for III sem TE, the demonstration of Electric flux, Coordinate systems, Potential and Gauss's law was conducted on 25.09.2018 at CR 306 from 2.45pm to 3.45 pm by the faculty Mr. Banuprakash R for the course Engineering Electromagnetic



Demonstration of Electric flux, Coordinate systems, Potential and Gauss's law

- 2 A role play activity was conducted for 5th semester on 18th September 2018 for the course Management and Entrepreneurship Development (10ES51). The students were grouped with 5 to 6 members in a group with prior intimation. The topics covered are Managerial Skills, Planning, Motivation, Leadership, Communication and Co-ordination. The students conducted role play on these topics to get better understanding of the subject. The students performed well and were able to express the different methodologies used. The role play helped them to achieve POs like leadership and Team Building (PO9), Communication and co-ordination(PO10), Ethics(PO8) , Project Management (P011) and Self Learning(PO12). The concepts used to express their views on the relevant topics were taken from the present leading issues.





Students performing role paly

Jnanavardhana events

Jnanavardhana held on 19th September 2018 at 3.30 pm was delivered by Mr. Mallikarjuna Gowda C P on the topic “ Cognitive radio networks – An Introduction ” . He introduced in detail about the basics of Cognitive radio networks.



Mr. Mallikarjuna Gowda C P delivering a talk on “Cognitive radio networks – An Introduction”

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.

NIL

Sports

This should cover sports activities conducted by the department / prizes won, etc.

NIL

Placement Activities at BMSIT&M

This should cover the placement activities done by the department.

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.

_NIL

MONTHLY PROGRESS REPORT FOR THE MONTH OF

OCTOBER- 2018

Date: 03/11/2018

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.

Proposal Submitted:

2. Dr. C S Mala, Saritha I G and Sowmyashree M S has written VGST proposal on "Enhancement of advanced infrastructure facilities in Digital Communication Lab" for the budget of 15 Lakhs on 6-10-2018.

Consultancy Work:

- Mr. Banuprakash R completed the design of two micro strip antennas for Technilab Instruments.

Memorable Moments

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

Department Fest “TEKRUTHI 3.0”

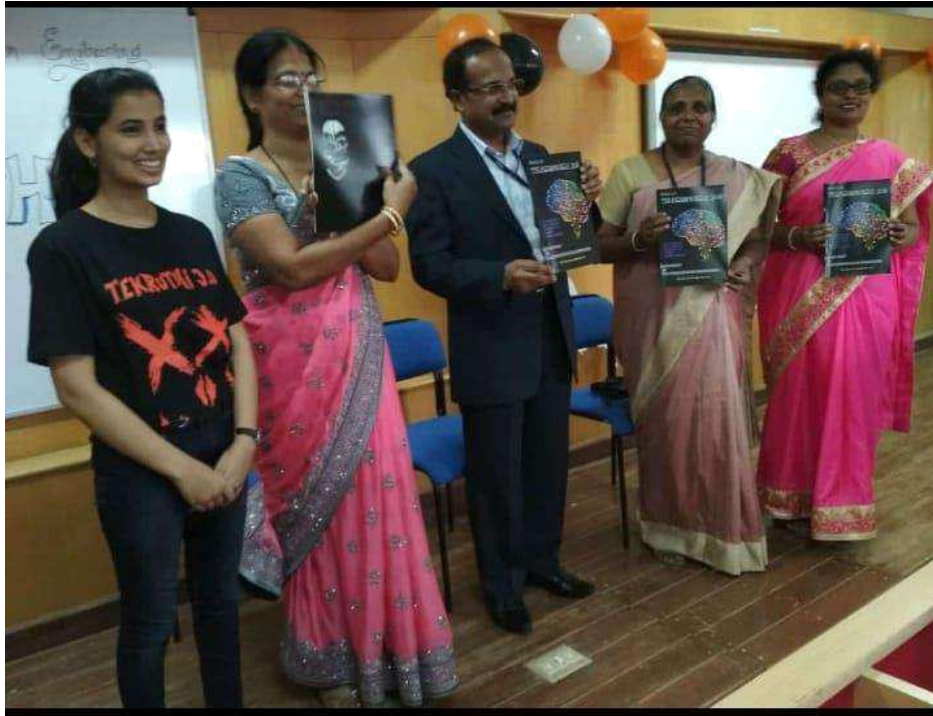
The department of Telecommunication organized department fest “Tekruthi3.0” on 6th October 2018 with theme as “HALLOWEEN”. The fest was inaugurated by our beloved Principal Dr Mohan Babu G N , Vice principal Dr Annamma Abraham and our beloved HOD Dr C S Mala. The inaugural started with invocation song by Ms Vaishnavi P S. This was followed by inspiring and motivated speech by dignitaries on the dias. Then Mr. Sagar student of 1st semester shared his experience about the Induction program.

During the inauguration of fest, Department magazine Telechonicle-2018 was also released.



Inaguration of “Tekruthi 3.0”





Release of Department Magazine “Telechronicle 2018”



There were various events like Pubg , Guess the price , Google it and true detection etc
There were around more than 100 participants from various colleges like SVIT,
SVCE,MSRIT, REVA, BMCE, CMRIT etc.

They gave them an opportunity to improve their Communication skills, learn good
ethics, Team management and good leadership qualities as well as to showcase their
talents in extracurricular activities. The students made this event a grand success.

Ayudha Pooja

Department of TE celebrated Ayudha pooja on 17th October 2018. On this occasion the labs were decorated and pooja was conducted.



Ayudha Pooja at TE department

Industry – Institute Interaction

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

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.

NIL

Seminars / Expert Talks

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

NIL

Departmental Co-curricular Activities

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

OBE methods:

- Mrs. Thejaswini S , Asst. Prof, Dept. of TE conducted a Poster presentation activity on “Verilog Code for digital circuits using Gate level and Data flow level of abstractions ” for the subject Verilog HDL [15EC53] on 9th October 2018. Students were grouped into 4 in a team and were asked to prepare posters for Verliog code for various digital circuits and present the same. The posters were evaluated by Mrs. Thejaswini S & Mrs. Sumathi M S, Asst. Prof, Dept. of TE.



Posters Presented by students



Poster presentation on “Verilog Code for digital circuits using Gate level and Data flow level of abstractions” for the subject Verilog HDL

1. Mr. Siddiq Iqbal , Asst. Prof, Dept. of TE conducted a Poster presentation activity on “Applications of Information theory” for the subject Information Theory & Coding [15EC54] on 23rd October 2018. The posters were evaluated by Dr.Ambika R, Professor, Dept. of E&C



Poster Presentation on “Applications of Information theory” for the subject Information Theory & Coding

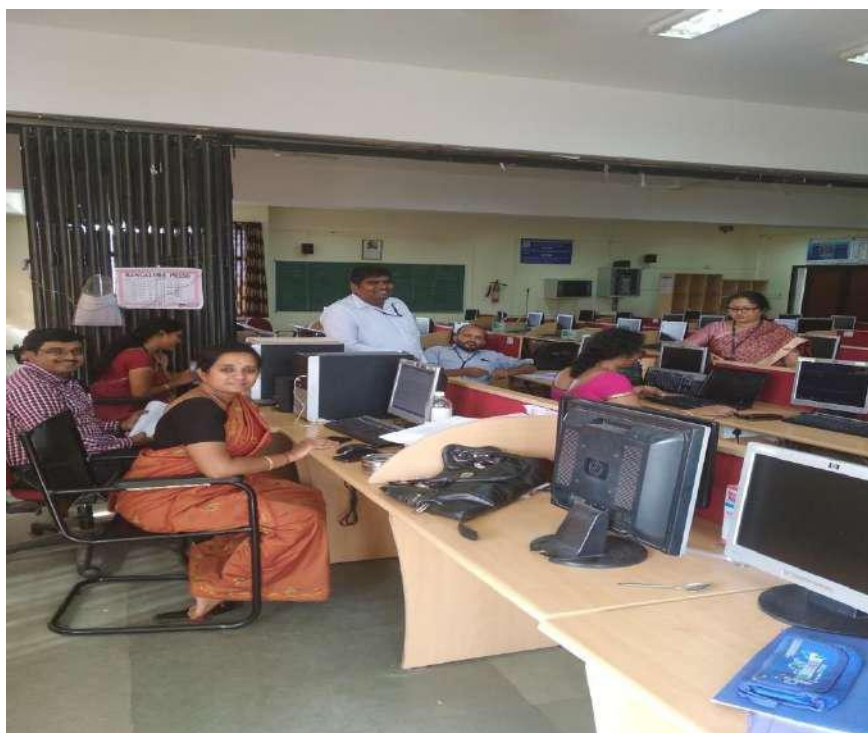
2. Mrs. Saritha I G , Asst. Prof, Dept. of TE conducted a Poster presentation activity on topics like OS file systems and file organization , Directory structure and FCBs for the subject Operating Systems on 30th October 2018.Students learnt to build team and leadership qualities and improved their communication and presenting skills .



Poster Presentation

Jnanavardhana events

- Mrs. Surekha.R.Gondkar Presented the basics of Image Processing covering types of images, their representation, different image processing steps and their applications as part of Jnanavardhana on 3rd October 2018. The different aspects of IP toolbox of MATLAB software were explained along with programming basics.



Mrs. Surekha.R.Gondkar presenting the basics of Image Processing

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.

3. Surekha R Gondkar , “ Effect of Block size on the performance of a new Algorithm to compress an Image using 3D DCT”, International Conference on applied Engineering Sciences and Management (ICAEM-2018) , K S School of Engineering and Management, Bengaluru, 12th and 13th October 2018 and also published in (Scopus indexed) Internal Journal of Pure and Applied Mathematics, Vol 119, No. 14, PP 29-34. Special issue. ISSN : 1314-3395(Online)
4. Thejaswini S,Soundarya V, Lavanya M, Chandana B, Sadam Hussain Kazimi, “ Multifunctional Robot”, International Conference on applied Engineering Sciences and Management (ICAEM-2018) , K S School of Engineering and Management, Bengaluru, 12th and 13th October 2018
5. Mr. Raghunandan .G.H, Asst. Professor, dept. of TE has presented two papers at “4th IEEE International Conference for convergence in Technology (IEEE I2CT-2018)“held from 27th to 28th october,2018 Organized by SDMIT ,Ujire ,Mangalore in association with IEEE Bangalore section
6. Saritha I G and Sowmyashree M S guided for the project Titled "Smart courier systems "presented in Telesymposium under the banner of IEEE and IETE on 30-10-2018 held in Sir MVIT-Bangalore.
7. Sumathi M S, Gagana Jadhav,sourav karthikeyan, kritika sharma presented paper title " Smart Plate for goof detection" in the event "paper presentation" inter-collegiate technical symposium ' Teleposium"under the banner of IEEE and IETE on 30-10-2018 held in Sir MVIT-Bangalore.
8. Students Gagana Jadhav,sourav karthikeyan, kritika sharma Exhibited the project named "Smart Plate for Food Detection "under the guidance of Mrs Sumathi M S , Asst Professor Telecom Department ,in the event "project exhibition " inter-

collegiate technical symposium ' Teleposium" under the banner of IEEE and IETE on 30-10-2018 held in Sir MVIT-Bangalore.

Sports

This should cover sports activities conducted by the department / prizes won, etc.

- Sudarshan Potdar of 3rd Sem. Telecommunication Engineering has participated in 10m Air Rifle (Men) event which was a part of Dasara Games CMs Cup 2018 held on 10th and 11th of October in Sports Authority of India Shooting Range, Bangalore



1. Prasunn of 5th sem TCE participated in NCC CATC camp held at Christ University, Kengri Campus from 22nd to 31st October 2018.



Placement Activities at BMSIT&M

This should cover the placement activities done by the department.

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.

_NIL

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

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MONTHLY PROGRESS REPORT FOR THE MONTH OF NOVEMBER- 2018

Date: 04/12/2018

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.

Students Proposal :

3. The student project proposal on "BONE CONDUCTION HELMET(BCH)" by 5th semester Telecommunication Engineering students which was submitted for DST & Texas Instruments Inc. India Innovation Challenge Design Contest 2018 Anchored by NSRCEL, IIM Bangalore is been shortlisted for further process. The students are Prasunn, Manjunath U, Nishit Rathi and Prasanna Kumar under the guidance of Mrs. Thejaswini S, Asst. Prof. Dept.of TE. They will be receiving 200 dollars worth components to complete the project prototype and present in further rounds.
4. The student interdisciplinary project proposal on "VISION-Vigilant image sensing drone" by 5th semester TE and CSE students which was submitted for DST & Texas Instruments Inc. India Innovation Challenge Design Contest 2018 Anchored by NSRCEL, IIM Bangalore is been shortlisted for further process. The students were saikrishnan, Piyali, Drishti, asad ansari, hemanth, sushmitha under the guidance of Mr. Raghunandan G H , , Asst. Prof. Dept.of TE and Mrs.Bharthi R , Asso. Prof. Dept.of CSE. They will be receiving 200 dollars worth components to complete the project prototype and present in further rounds.

Consultancy Work:

- Mr. Banuprakash R completed the design of one micro strip antennas for Technilab Instruments.

Memorable Moments

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

NIL

Industry – Institute Interaction

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

NIL

Workshops / Faculty Development Programmes/ Fests

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Seminars / Expert Talks

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Departmental Co-curricular Activities

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OBE methods:

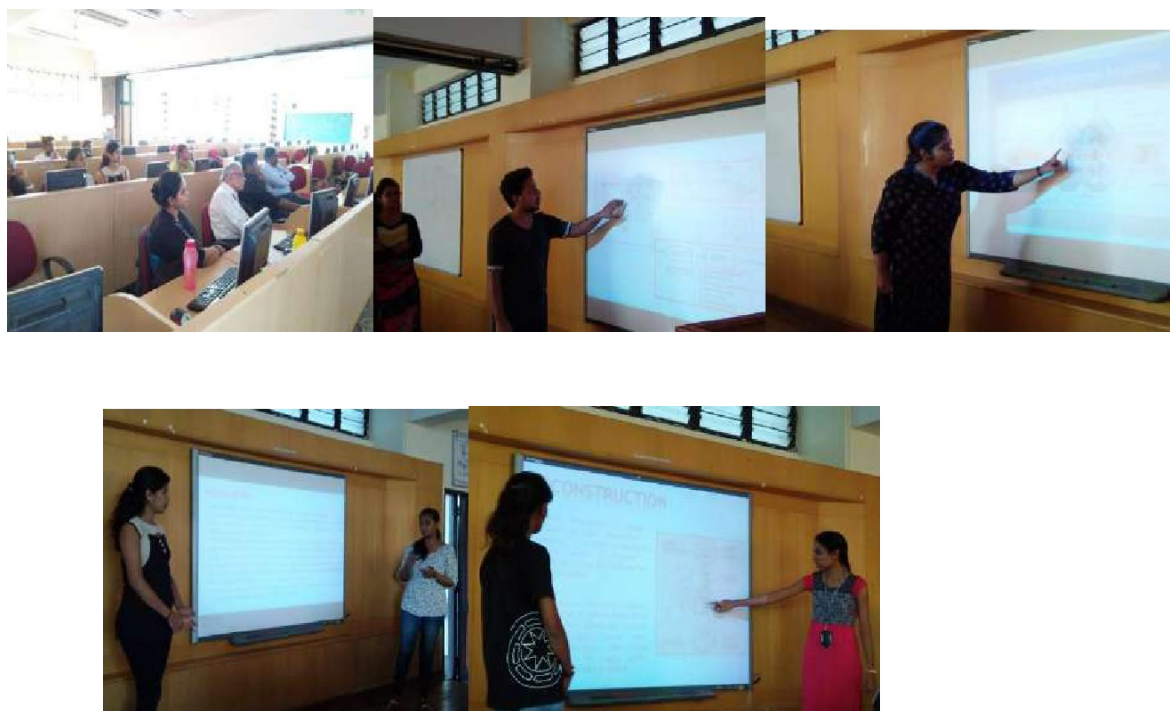
- Think Pair Sharing a cooperative learning activity was conducted by Mr. Banuprakash R, Asst. Prof, Dept. of TE for 3rd semester students for the topic “Differentiate between Electric and Magnetic circuits” in the course Engineering Electromagnetics 17EC36 on 29th October 2018. Each student was asked to write the differences and later the same has to be discussed with the pair in 10 minutes. Randomly teacher has chosen the students to explain the differences and all other students have noted the same.



Think Pair and Share activity

2. A Power point presentation activity was conducted by Mr. Banuprakash R, Asst. Prof, Dept. of TE at Digital class room, as a part of course Transmission line and Waveguides a professional elective to satisfy the course outcome on 30th October 2018 , Students will be able to “Perform in a group to make an effective presentation about the topics related to transmission lines at radio frequencies”.

For this activity the programme outcomes addressed are PO9-Group member, PO10-Communication Skills and PO12-Self learning & Lifelong learning. All 14 students of the elective in V semester have participated and presented. Ms.Vinutha B, Assistant professor Department of ECE and Mr. H. Ganapathy Hebbar, Visiting faculty Department TE have evaluated the activity.



Students presenting PPT's on different topics

3. Mrs. Thejaswini S , Asst. Prof, Dept. of TE conducted a Poster presentation activity on “Verilog Code for digital circuits using Behavioral level of abstractions ” for the subject Verilog HDL [15EC53] on 12th November 2018. Students were grouped into 4 in a team and were asked to prepare posters for Verilog code for various digital circuits and present the same. The posters were evaluated by Mrs. Thejaswini S & Mrs. Sumathi M S, Asst. Prof, Dept. of TE. For this activity the programme outcomes addressed are PO9-Group member, PO10-Communication Skills and PO12-Self learning & Lifelong learning was mapped.



Posters Presented by students



Poster presentation on “Verilog Code for digital circuits using Behavioral level of abstractions” for the subject Verilog HDL

- Dr. Jayadeva G S , Prof. Dept. of TE conducted a Poster presentation activity on 14th November 2018, Wednesday for VII- Semester TCE students. Twelve different group of students, presented on different topics of semiconductor devices. This addresses the PO9, PO10 and PO12 in the subject CMOS VLSI Design.



Posters Presented by students

9. Mrs. Surekha.R. Gondkar, Associate Professor, Dept. of TE conducted Flip Class activity on the topic "Transducers" for EI [17EC32] subject on 15th November 2018.



Flip activity on "Transducers" for the subject EI

- Mrs. Surekha.R. Gondkar, Associate Professor, Dept. of TE conducted learn by teaching activity on "Digital Filter Structures" for DSP [15EC52] subject on 15th November 2018.

2. A Poster presentation activity was conducted by Mr. Banuprakash R , Asst. Prof, Dept. of TE at CR 306, as a part of course Engineering electromagnetics to satisfy the course outcome for the topic “Applications of Electromagnetics” for the course Engineering Electromagnetics”,. On 22nd November 2018. Students will be able to “Perform in a group to make an effective presentation on electromagnetic radiation hazards, EM waves, effect of EM waves on environment and applications of electromagnetics”. For this activity the programme outcomes addressed are PO9-Group member, PO10-Communication Skills and PO12-Self learning & Lifelong learning. All 46 students of III semester have participated and presented the poster. Mr.Saneesh Cleatus T , Associate Professor, Department of ECE has evaluated the poster presentation.



Posters Presented by students

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.

NIL

Sports

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NIL

Placement Activities at BMSIT&M

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NIL

Workshops / Seminars / FDPs attended

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MONTHLY PROGRESS REPORT FOR THE MONTH OF DECEMBER- 2018

Date: 02/01/2019

MoUs / Awards / Recognitions

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Session chair

- Dr. C S Mala was a reviewer & Chairperson for Third IEEE International Conference on Electrical, Electronics, Communication, Computer and Optimization Techniques (ICEECOT- 2018), in association with IEEE Bangalore section organized by GSSS Institute of Engineering & Technology for Women, Mysuru from 14th -15th December 2018.

Achievements:

- Mallikarjuna Gowda C.P, received **Best Paper presenter award for the paper** titled "Blocking Probabilities, Resource Allocation Problems and Optimal Solutions in Cognitive Radio Networks: A Survey", in the 3rd IEEE International conference on Electrical, Electronics, Communication, Computer Optimization Techniques (ICEECOT) - 2018 at Mysuru held on 14th -15th December 2018
- Raju Hajare Mallikarjuna Gowda C.P , M V Sanjay, G Purushotham, received appreciated with **Best Paper award for the paper titled "Design and Development of Agricultural Drone for Areca Nut Farms"**, in the 3rd IEEE International conference on Electrical, Electronics, Communication, Computer Optimization Techniques (ICEECOT) - 2018 at Mysuru held on 14th -15th December 2018
- Raghunandan.G.H, Assistant Professor, Department of Telecommunication Engineering has been awarded as "**Best Professor for Electronics and communication Engineering**" By Karnataka Educational Awards-2018 on 20th December 2018 held at Bharathiya Vidya Bhavan, Bengaluru.



Raghunandan.G.H, receiving award as " Best Professor for Electronics and communication Engineering"



Memorable Moments

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

NIL

Industry – Institute Interaction

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NIL

Workshops / Faculty Development Programmes/ Fests

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NIL

Seminars / Expert Talks

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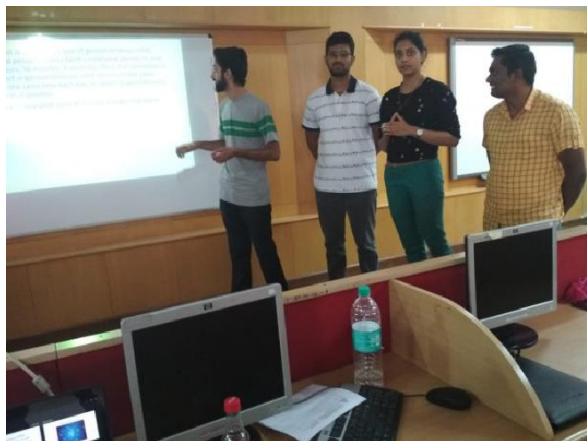
NIL

Departmental Co-curricular Activities

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

OBE Activity:

3. Ganapathy Hebbar H, conducted a PPT presentation by the students on the topics beyond syllabus for the subject satellite communication & Remote sensing [15TE72] on 1st December 2018 for 7th semester students



PPT presentation for 7th semester students for the subject satellite communication & Remote sensing [15TE72]

2. Ganapathy Hebbar H, conducted a Quiz program for 7th semester students for the subject satellite communication & Remote sensing [15TE72] on 26th November 2018.



Quiz program for 7th semester students for the subject satellite communication & Remote sensing [15TE72]

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 Conference:

- Raju Hajare Mallikarjuna Gowda C.P , M V Sanjay, G Purushotham, "**Design and Development of Agricultural Drone for Areca Nut Farms**", 3rd IEEE International conference on Electrical, Electronics, Communication, Computer Optimization Techniques (ICEECCOT) - 2018 at Mysuru held on 14th -15th December 2018
- Mallikarjuna Gowda C.P., Vijayakumar T "**Blocking Probabilities, Resource Allocation Problems and Optimal Solutions in Cognitive Radio Networks: A Survey**", 3rd IEEE International conference on Electrical, Electronics, Communication, Computer Optimization Techniques (ICEECCOT) - 2018 at Mysuru held on 14th -15th December 2018
- Mallikarjuna Gowda C.P, Raju Hajare, Pavan PSS, Biplav Neh "**Cognitive IOT System for Visually Impaired**", 3rd IEEE International conference on Electrical, Electronics, Communication, Computer Optimization Techniques (ICEECCOT) - 2018 at Mysuru held on 14th -15th December 2018
- Sowmyashree.M.S, C S Mala, "A survey on Bandwidth Allocation Schemes In WSNs

Using Priority Based Mac Protocol", Third IEEE International Conference on Electrical, Electronics, Communication, Computer and Optimization Techniques (ICEECCOT- 2018), in association with IEEE Bangalore section organized by GSSS Institute of Engineering & Technology for Women, Mysuru on 14th -15th December 2018

Sports

This should cover sports activities conducted by the department / prizes won, etc.

NIL

Placement Activities at BMSIT&M

This should cover the placement activities done by the department.

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.

ONLINE COURSE

1. Dr. C S Mala has successfully completed the course "Education in a Changing world" by open 2 study on 18th December 2018.

2. Dr. C S Mala has successfully completed the course on “User Experience for the web” by open 2 study on 15th December 2018.
5. Siddiq Iqbal has successfully completed Udemmy course on “Cyber security courses for beginners – Level 01”, on 2nd November 2018.
6. Siddiq Iqbal has successfully completed Udemmy course on “Cyber security Network Security Essentials”, on 4th December 2018.
7. Saritha I G and Sowmyashree M S completed Udemmy course on "Mobile cyber security awareness" on 17th December 2018.
8. Saritha I Go and Sowmyashree M S completed Udemmy course on "Keep ass-Keep your password safe "on 22nd December 2018.

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

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MONTHLY PROGRESS REPORT FOR THE MONTH OF JANUARY - 2019

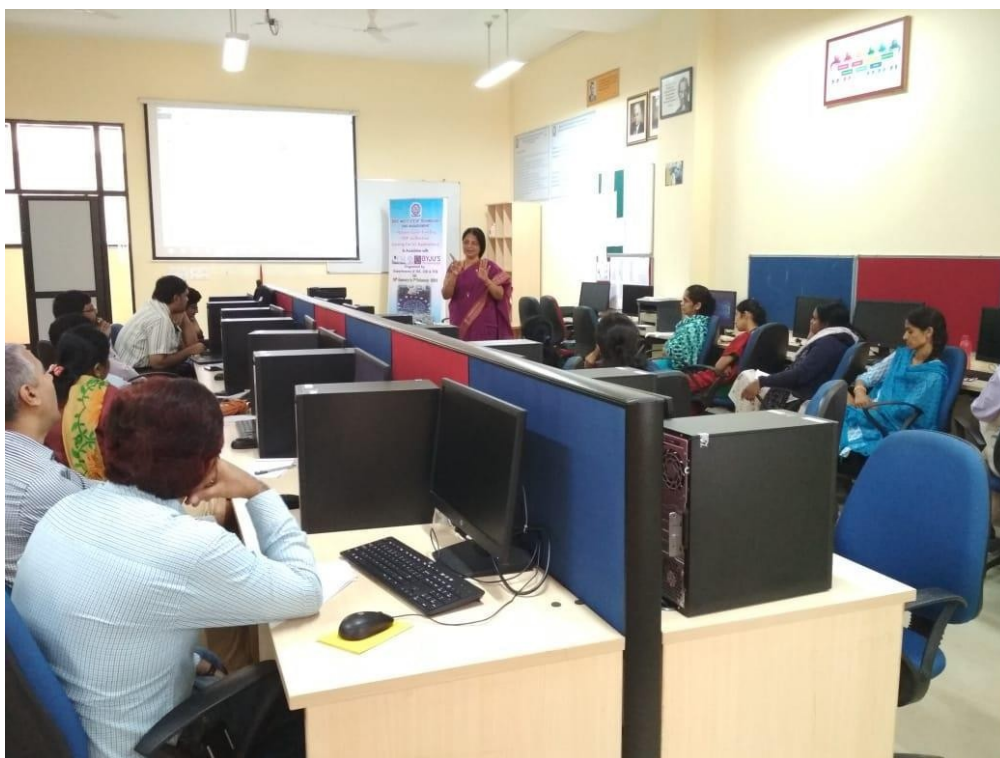
Date: 04/02/2019

MoUs / Awards / Recognitions

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- **Resource Person:**

Dr. C S Mala was resource person for National Level Five-day Faculty Development Program on “Machine learning for IoT Applications” Organized by Department of ISE, CSE & TCE, BMSIT&M during 28th January to 1st February 2019



Session on “Hands-on Arduino” by Dr. C S Mala

fig1_resource_person

Memorable Moments

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

NIL

Industry – Institute Interaction

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

4. Dr. C S MALA has undergone internship at M/s Ulectron Technologies from 21/01/2019 to 25/01/2019 for five days .
5. Surekha R Gondkar and Thejaswini S has completed Internship on product development and VLSI systems at EDULLIANT Technologies Pvt. Ltd, Bangalore from 11/01/2019 to 23/01/2019
6. Saritha I G & Sowmya Shree M S has completed Internship on Web development, maintenance & security from 11/01/2019 to 23/01/2019 at NEARKAST Solutions Pvt Ltd , Bangalore

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.

National Level Five-day Faculty Development Program on “Machine learning for IoT Applications”

Department of ISE, CSE & TCE had organized a National Level Five-day Faculty Development Program on “Machine learning for IoT Applications” from 28th January to 1st February 2019. Around 30 faculties from various colleges had been participated in the FDP. The FDP was Inaugurated by Chief Guest and Key Note speaker Mr. Buddhadeb Das, Senior Vice President, JMR Infotech, Dr. Mohan Babu G N, Principal, BMSIT&M, Dr. Annamma Abraham, Vice Principal, BMSIT &M, Dr. Manjunath T. N, Professor & HOD, ISE Dr. Thippeswamy G, Professor & HOD, CSE Dr. C S Mala, Professor & HOD, TCE. This was followed by briefing out the importance of FDP by the Chief Guest, the Principal and Vice Principal. The vote of thanks was delivered by Dr. CS Mala. The Chief Guest delivered key note address on “AI for IOT applications”, where he highlighted about the importance of AI and discussed a few applications on IOT.

Fig1_fdp



Inauguration of FDP

Fig2_fdp



Lighting of lamp



Key Note address by Mr. Buddhadeb Das, Senior Vice President, JMR Infotech



Participants attending FDP

Fig3_fdp

Fig4_fdp

Seminars / Expert Talks

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

NIL

Departmental Co-curricular Activities

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

OBE Activity:

3. Dr. Jayadeva G S conducted basic electronic equipment usage demo class in different batches for J- Section students (EEE branch). Students performed experiment in group and then submitted the report.

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:

- C.P. Mallikarjuna Gowda and T. Vijayakumar " A New Channel Assignment Method in Cognitive Radio System" ICTACT Journal on Communication Technology, December 2018, Volume.9, Issue 4, pp. 1885 - 1892, ISSN: 2229-6948, DOI: 10.21917/ijct.2018.0275

Sports

This should cover sports activities conducted by the department / prizes won, etc.

NIL

Placement Activities at BMSIT&M

This should cover the placement activities done by the department.

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.

9. Mr. Mallikarjuna Gowda C P attended one - week National level workshop on " Long Term Evolution - Advanced and its Research Challenges" held at Dept. of Telecommunication Engg., JNNCE Shivamoga, from 28th January to 1st February 2019
10. Raghunandan G H attended " FDP on IoT and Python "organised by Department of ECE, Cambridge Institute of Technology, Bengaluru from 28th January to 1st February 2019
11. Dr. C S Mala, Raju Hajare, Thejaswini S, Siddiq Iqbal and Banuprakash R attended National Level Five-day Faculty Development Program on “Machine learning for IoT Applications” Organized by Department of ISE, CSE & TCE, BMSIT&M during 28th January to 1st February 2019

MONTHLY PROGRESS REPORT FOR THE MONTH OF MARCH - 2019

Date: 01/04/2019

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.

- Ph. D Award: Dr. Raju Hajare , Associate Professor, dept. of TE was awarded Ph.D. degree for thesis title “Design and Characterization of FinFET based Datapath and SRAM Memory” in the 18th VTU Convocation held on 18th March 2019 at VTU, Belagavi.



Dr. Raju Hajare receiving Ph. D degree at Convocation held at VTU Belagavi

VTU Rank: Soundarya S bearing USN :1BY14TE055 has secured 3rd VTU Rank for the academic year 2018-19.



3rd VTU Rank Holder

7. KSCST Projects:

Project titled “Home based Compost machine” under the guidance of Dr. Seema Singh has been funded Rs. 6000/- from KSCST.

Project titled “Human Assisting Robot” under the guidance of Dr. Jayadeva G S has been funded Rs. 5000/- from KSCST.

8. Project awards:

Interdisciplinary project “Smart Lid: Food spoilage detection system “has won 2nd prize in KSTA project exhibition conducted in SVCE on 13th March 2019. The students are Laalithya A, Saurav Karthikeya & Anup Kumar Shetty under the guidance of Prof. Sumathi M S , Asst. Prof. TCE Dept. and Shruthi J Asst. prof., CSE Dept.



Smart Lid: Food spoilage detection system “has won 2nd prize in KSTA project exhibition conducted in SVCE

4. Project titled “ Biotic Phone Charger” has won 2nd place with cash prize of Rs.7000/- in Grand Finale of “Anveshana”, an Innovative Idea Contest on 15.03.2019, conducted by Innovation Centre of BMSIT&M under the guidance of Raghunandan.G.H, Asst Prof,Dept of TE by Rithika Rose Thomas, IV Sem TE,Suhas Reddy, IV Sem TE, Reethu, IV Sem TE,Goutham , IV Sem TE.
- Project titled “Eco Friendly Hybrid Smart cycle for Green Campus has won 3rd place with cash prize of Rs.3000/- in Grand Finale of “Anveshana”, an Innovative Idea Contest on 15.03.2019, conducted by Innovation Centre of BMSIT&M under the guidance of Raghunandan.G.H, Asst Prof,Dept of TE and Keerthi kumar.N , Asst Prof,Dept of ME by Vivek ,VI Sem TE ,Srinath VIII Sem ME ,Vikesh VIII Sem ME , Nihal Rao VIII Sem ME .



students receiving cash prize in Grand Finale of “Anveshana”,

12. Three Interdisciplinary Projects were exhibited in KSTA State Level Project Exhibition on 12-13 March 2019, held at SVCE, Bengaluru and got good appreciation from Judges.

1.UAV Based Aerecanut Fruit cutter under the guidance of Raghunandan.G.H , Asst Prof,Dept of TE and Keerthikumar.N , Asst Prof,Dept of ME by Raghav K K,VI Sem TE ,Janani VI Sem TE ,SUDha M VI Sem TE , Neha R VI Sem TE .

2.Eco Friendly Hybrid Smart cycle for Green Campus under the guidance of Raghunandan.G.H, Asst Prof,Dept of TE and Keerthi kumar.N , Asst Prof,Dept of ME by Vivek ,VI Sem TE ,Srinath VIII Sem ME ,Vikesh VIII Sem ME , Nihal Rao VIII Sem ME .

3. VISION under the guidance of Raghunandan.G.H,Asst Prof,Dept of TE and Bharathi R ,Assoc Prof,Dept of CSE by Vivek ,VI Sem TE ,Srinath VIII Sem ME ,Vikesh VIII Sem ME , Nihal Rao VIII Sem ME .

Memorable Moments

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

Parents Teachers Meeting:

Parent Teacher Meeting (PTM) was held on 23.3.2019 at 9:30AM in the digital class room (DCR) of Telecommunication Engineering department. The faculty members of the department were present in the meeting.



Group photo with parents & Staff of TE dept.

Gnanavardhana :

Ganavardhana was delivered by Prof. Siddiq Iqbal given on “CO-PO mapping excel sheet”, on 15th March 2019. In this the formulae used and the purpose was explained in details. It was also explained how to modify the sheet if necessary, like adding more COs, varying weightages and so on. The doubts raised by the faculty were cleared.



Ganavardhana by Prof. Siddiq Iqbal

Industry – Institute Interaction

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

Industrial Visit:

Department of TE had arranged an industrial visit for 4th semester students to Visveswaraya Industrial and Technological Museum, Bengaluru as part of Industrial visit .37 students had taken part in the industrial visit along with two faculty members. The students learnt about the basics of Electronics, evolution of different technologies, principles and different working models were studied. Thus the students were motivated by the visit. The students were accompanied by the Dr. C. S. Mala, Professor and Mr. Raghunandan G H, Asst Professor.



Industrial Visit to Visveswararaya Industrial and Technological Museum

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.

NIL

Seminars / Expert Talks

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

NIL

Departmental Co-curricular Activities

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

NIL

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:

Raju Hajare "DESIGN AND SOFTWARE CHARACTERIZATION OF FINFET BASED FULL ADDERS" in International Journal of Microelectronics of ICTACT (a peer reviewed and non paid Journal)

Sports

This should cover sports activities conducted by the department / prizes won, etc.

NIL

Placement Activities at BMSIT&M

This should cover the placement activities done by the department.

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.

NIL

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

The above report should be with Calibri font and with 10 font size. If no activity is conducted under any of the above heads, NIL report should be mentioned. As far as possible provide one or two clear photographs for any of the events.

MONTHLY PROGRESS REPORT FOR THE MONTH OF April - 2019

Date: 02/05/2019

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.

Faculty Awards /achievements:

- An article titled “**Education system: International vs Indian universities** ” by **Dr. Seema Singh** has been published in a magazine on **Higher Education Review** in its April, 2019 issue.



Article by Dr. Seema Singh

Consultancy Work: Mr. Banuprakash R has completed a consultancy work of designing BIQUAD antenna for 5HHz with a gain of 3.5 dB for Technilab Instrument.

Talk Delivered:

Mrs Saritha I G and Mrs Sowmyashree M S has delivered a Talk on “Carrier Opportunities in Electronics” during “Akshara Mella” which took place in Mysore organized by LaGoRi Foundation on 28.4.2019. The target audience was SSLC students who were enlightened about the different opportunities available in the field of Electronics and its upcoming trends. Ice breaking sessions were also conducted to them since the students were from different places.



Mrs. Saritha I G receiving appreciation letter for delivering a talk on “Carrier Opportunities in Electronics” during “Akshara Mella”



Mrs. Sowmyashree M S receiving appreciation letter for delivering a talk on “Carrier Opportunities in Electronics” during “Akshara Mella”

Students Project:

9. The project titled "Bone Conduction Helmet " by 6th semester Telecommunication Engineering students Prasunn, Manjunath U, Nishit Rathi and Prasanna Kumar under the guidance of Mrs. Thejaswini S, Asst. Prof. Dept. of TE has been selected for Semi-finals of India's premier innovation and design contest, the India Innovation Challenge Design Contest (IICDC) organized by Texas Instruments, in association with Department of Science and Technology (DST).
10. The Interdisciplinary project "VISION" by TE and CSE students Saikrishnan, Pranav, Dharma, Piyali, Asad Ansari, Drishti under the guidance of Mr.Raghunandan G H Asst. Prof, Dept.of TE and Mrs.Bharathi R, Assoc Prof. Dept.of CSE has been selected for Semi-finals of India's premier innovation and design contest, the India

Innovation Challenge Design Contest (IICDC) organized by Texas Instruments, in association with Department of Science and Technology (DST).

Memorable Moments

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

PTM:

Parent Teacher Meeting (PTM) was held on **27.4.2019** at 9AM in the digital class room (DCR) of Telecommunication Engineering department. The faculty members of the department were present in the meeting. Dr. Seema Singh, HoD TCE welcomed all the parents and discussed the following points: Department achievements (students and faculty) and activities (co-curricular and extra-curricular) , Punctuality for the classes, Seriousness of internals .Parents were apprised by the proctors, course coordinators and class teacher the academic progress of their ward. Each parent met HoD to further discuss their ward's performance & action plan to improve the same. The meeting was concluded by thanking the parents for their time and suggestions by HoD.



Interaction of Dr. Seema Singh, Professor and HoD, Dept of TCE with parents

Industry – Institute Interaction

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

Industrial Visit:

5. An Industrial visit was organized for INDIAN TELEPHONE INDUSTRY(ITI) on 26th April 2019 for 4th, 6th and 8th sem TCE. Twenty-one students showed interest to the visit. Mrs Saritha I G and Mrs Sowmyashree M S accompanied the students.





Industrial Visit to ITI Limited

- An Industrial visit was organized for Fanuc India Pvt Ltd on 5th April-2019 for 6th semester students. 30 students along with Dr. Raju Hajare and Mr. Mallikarjunagowda. C. P. visited the place.





Industrial Visit to Fanuc India Pvt

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.

NIL

Seminars / Expert Talks

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

NIL

Departmental Co-curricular Activities

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

OBE Activity:

Mrs. Saritha I G conducted a Poster presentation on 27/4/2019 at 3:30 pm for 4th sem TCE students for the subject Control systems . Students presented poster on the topics such as “ PI 13. PD and PID controllers . Students improved their presentation skill, Communication skill and Individual and leadership qualities from this presentation. Mrs Saritha I G and Mrs Sowmyashree M S were the evaluator for the same.



Poster Presentation for Control Systems

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.

NIL

Sports

This should cover sports activities conducted by the department / prizes won, etc.

NIL

Placement Activities at BMSIT&M

This should cover the placement activities done by the department.

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.

NIL

MONTHLY PROGRESS REPORT FOR THE MONTH OF MAY- 2019

Date: 02/06/2019

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.

Faculty Awards /achievements:

- Mrs. Thejaswini S,Jhenkar L, Aditya Nataraj, Abhay K K,, received Best paper award for the paper entitled “Analysis of EEG Based Emotion detection of DEAP and SEED-IV databases using SVM" in 2nd International Conference on Emerging Trends in Science & Technologies for Engineering Systems held on 17th to 18th May 2019 at SJC Institute of Technology, Chickballapur.
- Mr. Banuprakash R has got Best paper award for the research paper titled ” A Metamaterial inspired slotted multiband patch antenna with Reconfigurability” at the International conference on Engineering, Technology and Management in the digital era (ICETMDE-2019) organized by DSATM, Bengaluru during 24-27, February 2019.

Consultancy work:

- Mr. Banuprakash R, Mrs. Geetha N and Mr. Srinivasmurthy B have completed The “Design of Bi-quad microstrip antenna” for a frequency of 5GHz, with a gain of 3.5 dB worth of Rs 3000/- as a part of consultancy work to the client M/s Technilab Instrument.

Memorable Moments

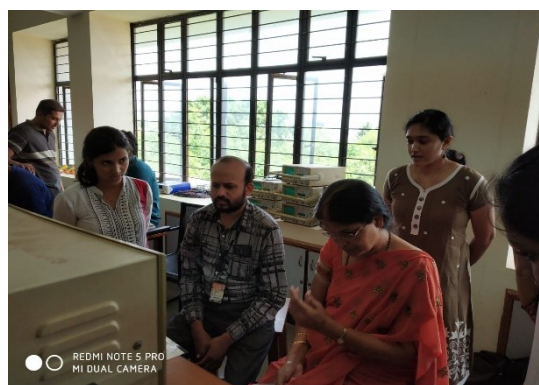
Any activity conducted by the department which had good impact and was memorable in nature.

Open day

The department of Telecommunication Engineering had organized Open day for second, Fourth, Sixth and Eighth Semester on 13.5.2019. All the students exhibited their projects to the External and Internal Evaluators. A total of 53 projects were showcased. Out of which eight best projects were selected for the first and second prize from each Semester. The External Judges were from the industry Sector, Mr Prabahakar Mishra , CEO, Abriotic Embedded Systems, Bangalore and Vinayaka babu, Managing Director, 4Semi Technolgy India Pvt Ltd, Bangalore. The Internal Judges for second semester were Mrs Surekha R Gondkar and Mrs Thejaswini S, fourth Semester Mr Mallikarjuna Gowda and Mr Bhanuprakash, and for Sixth Sem Dr C S Mala and Mr Siddiq Iqbal.



8th sem studnets exhibiting their project



6th sem studnets exhibiting their project



4th sem studnets exhibiting their project



2nd sem studnets exhibiting their project

Technical Quiz conducted:

Department of Telecommunication Engineering has conducted a Technical quiz on “**Recent trends in Electrical, Electronics and Telecommunication Engineering**” on the occasion of 50th World Telecommunication and Information Society day for the students of TE, ECE and EEE departments on 17.05.2019, the event was coordinated by faculties Mr. Ganapathy Hebbar, Mr. Banuprakash R, Mrs. Thejaswini S and instructor Mrs. Geeetha N.



Students participating in the quiz competition

Employers Meet 2019:

Our Alumnus Mr. Karthik Soora, 2009 pass out participated in the Employers meet on 18th May 2019 as expert in the panel. He spoke on importance of basics and to treat all the subjects equally. He also informed students to take it as a course & not subject wise. He highlighted that approach is sometimes more important than the actual answer. This event was organised by Placement Cell, from the department Mr.Siddiq Iqbal was the coordinator.



Mr. Karthik Soora in Employers meet

Jnanavardhana

Jnanavardhana was delivered by Mrs. Thejaswini S on the topic “Introduction to Biomedical Signals processing and BCI”. In this session the topics like Bio-signals like ECG, EEG, EMG..etc. ,Signal processing of bio- signals, Introduction to Brain computer interface, EEG Signal acquisition were presented and discussed.



Jnanavardhana by Prof. Thejaswini S

Industry – Institute Interaction

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

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.

Seminars / Expert Talks

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

NIL

Departmental Co-curricular Activities

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

OBE Activity:

- **Partial delivery** on the topic “Radio Resource Management and Mobility Management” was organized on 4th May 2019 by Mallikarjuna Gowda C P for the subject Wireless Communication and LTE 4G Broad Band [15EC81]. The resource Person was Mr. A T Kishore, Principal Consultant Telecommunication, UTL Technologies Pvt Ltd, Bengaluru. The topics covered were Radio Resource Management and Mobility Management – module 5 and channel structure in LTE and hands on using LTE visualization tool.



Partial delivery by Mr. A T Kishore

Student Workshops:

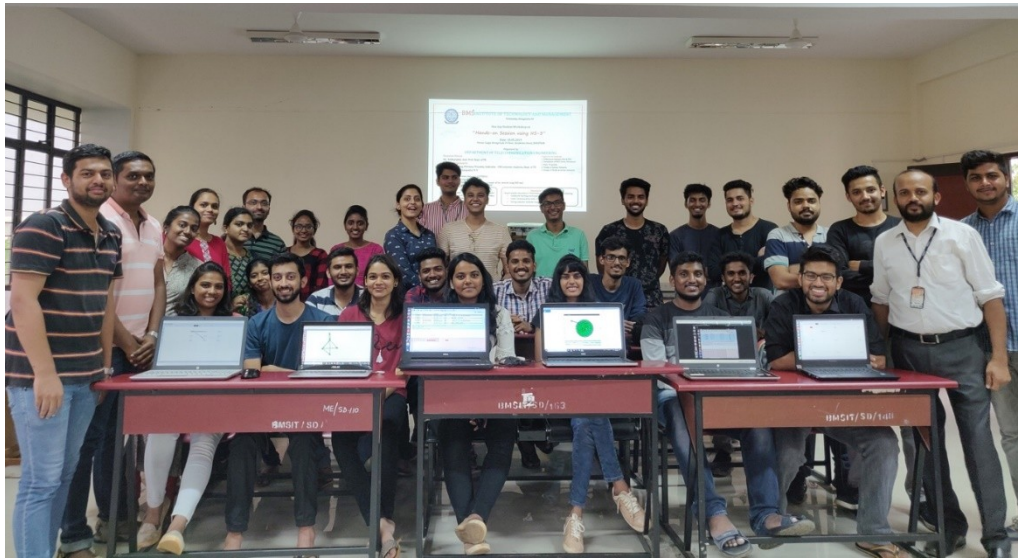
- One-day student workshop was conducted on Design of Microstrip antennas using HFSS tool” by Mr. Banuprakash R Supported by Mr. Srinivas Murthy B on 04.05.2019 at DE Lab. Around 13 batches were made out of 50 students of VI semester. Each batch was assigned different frequency band of antenna to design. Students were able to learn the HFSS software to design microstrip antennas. All the batches were able to design microstrip antennas for different wireless applications. They analysed the parameters like Return loss, VSWR, Gain and the current distribution of the designed antenna and submitted the report for the same.



Students participation in HFSS Workshop

- One-day student workshop on “**Hands-on Session using NS-3**” was conducted on 15th May 2019 by Siddiq Iqbal. The students were introduced to the latest network simulator NS-3 ,differences between NS-2 and NS-3, Overview of NS-3, Structure of a C++ program in NS-3, Simulating point-to-point networks in NS-3, Using PyViz for visualizations, NetAnim for visualizations, Using Wireshark for post processing, Simulating CSMA networks in NS-3, Simulating BSS and IBSS in NS-3, Simulating a hidden node problem in NS-3 and Using Trace Metrics for post processing.





Students participating in NS3 workshop

- One-day hands on workshop on” **Network Simulator -2 tool**” was organized for sixth sem students on 17th May 2019. The workshop began with introduction to network simulator tool and then followed with hands training carried out by the faculty members Mrs Somyashree M S , Mrs Saritha I G and Mr Srinivias Murthy B, Instructor. The students got the exposure on how to create a network, Analysis of TCP vs UDP, Variation of congestion window, Compute the throughput, implementing the routing algorithm and Analyzing the performance parameter for wireless Network in the morning session. After the post lunch the students formed group and presented the topics what they learnt in the hands on session to the other fellow members of the class.



Students Participating in NS-2 workshop

- One-day Student workshop on “Hands-on workshop on basics of signal processing operations using MATLAB for 4th semester was conducted by Prof. Thejaswini S on 22nd May 2019. The students were divided into 12 batches. They were introduced to MATLAB basics and signal processing tool box. They were asked to execute MATLAB code for generation of elementary signals, convolution of two sequences and verifying their properties and to find Z-Transforms of some useful sequences. Each batch was given different problems cases and were asked to write and execute code for the same.



Students participation in MATLAB workshop

- A workshop was conducted on 2nd May 2019 for the course image processing [15EC655]. In this workshop, programs on image processing applications was conducted in MATLAB / Octave.



Students participated in IP workshop

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 Conference:

- Thejaswini S, Jhenkar L, Aditya Nataraj, Abhay K K, “Analysis of EEG Based Emotion detection of DEAP and SEED-IV databases using SVM”, 2nd International Conference on Emerging Trends in Science & Technologies for Engineering Systems, 17th to 18th May 2019 at SJC Institute of Technology, Chickballapur.
- Banuprakash R, Sindhoor Hegde, Nandini H, Pooja C R and Varsha L V ,“A Miniaturized antenna for Worldwide Interoperability for Microwave Access and Satellite Applications using Square Patch” International Conference On Advanced Technologies In Intelligent Control, Environment, Computing And Communication Engineering (ICATIECE-2019)-IEEE during 19-20 March 2019.

Sports

This should cover sports activities conducted by the department / prizes won, etc.

NIL

Placement Activities at BMSIT&M

This should cover the placement activities done by the department.

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.

- Dr. C S Mala attended one-day workshop on “Examination Reform” at Gopalan College of Engineering and Management (GCEM) organized by AICTE ON 8th May 2019

MONTHLY PROGRESS REPORT FOR THE MONTH OF JUNE - 2019

Date: 04/07/2019

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.

Faculty Achievements:

- Dr. Seema Singh Prof. & HoD ETE has reviewed seven papers for signal processing and VLSI tracks of 2019 International Conference on Electronics, Computing and Communication Technologies (IEEE CONECCT) organized by IEEE Bangalore Section will be held at IIIT, Bangalore, India during 26-27 July, 2019. This conference is the fifth in a series to be organized by IEEE Bangalore Section
- Dr Seema Singh, Prof. & HoD ETE and Mrs Mamatha K R, Asst. Prof. dept. of ECE, inventors filed first patent application from BMSIT on June 2019 for the invention titled "AN AUTOMATED WASTE SEGREGATION SYSTEM USING ARTIFICIAL NEURAL NETWORK"

Students project Recognitions:

- The interdisciplinary project of TE and CSE dept " VISION" has been shortlisted for top 30 finalists across India in " DST and Texas instruments India innovation challenge design contest-2018”, Guided by Raghunandan G H , Asst. Prof. dept. of ETE and Bharathi R. Assoc. prof. dept. of CSE and Students: Saikrishna, piyali, dhawal, drishti, Dharma, Pranav. Team will be receiving a project development fund of Rs. 5 lakh shortly from DST
- The interdisciplinary project of TE and CSE dept " VISION" has won second prize with Rs. 15,000 BITES Xcelerator student project awards-2019 organised by BITES at IIIT Bengaluru on 22-06-19, Guided by Raghunandan G H , Asst. Prof. dept. of

ETE and Bharathi R. Assoc. prof. dept. of CSE and Students Saikrishna, piyali, dhawal, drishti, Dharma, Pranav.

Memorable Moments

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

NIL

Industry – Institute Interaction

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

Faculty Internship:

- Sumathi M S , Assistant Professor , Dept. of ETE has completed industry internship from 7th June 2019 to 28th June 2019 at VRUKSH enterprises.

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.

NIL

Seminars / Expert Talks

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

NIL

Departmental Co-curricular Activities

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

NIL

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.

NIL

Sports

This should cover sports activities conducted by the department / prizes won, etc.

NIL

Placement Activities at BMSIT&M

This should cover the placement activities done by the department.

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:

- Thejaswini S, Siddiq Iqbal and Banuprakash R , Assistant Professors Dept. of ETE, has attended TEQIP-III Sponsored one week FDP on "Wireless Networks- A Smart City Perspective" organised by Department of ECE, BMSCE, Bangalore from 17th June to 21st June 2019
- Surekha R Gondkar, Assoc. Professor, Assistant Professors Dept. of ETE, Saritha I G, Sowmyashree M S, Sumathi M and Prathiba M ,Assistant Professors Dept. of ETE, has attended Six days Short term training program in association with AICTE on "Hands on training on DSP and Embedded Controllers" at NITTE,Bangalore from 17th June to 22nd June 2019
- H N Prakash Kumar , Foremen , dept. of ETE and B T Balaji Singh , Asst. Instructor , Dept. of ETE attended One week workshop for Technical staff on "Analog and Digital Electronics Laboratory" from June 10th to 14th, 2019 at BMSCE, Basavanagudi, Bengaluru.

Online Course completed:

- Sowmya Shree M S and Sumathi M S completed 52.5 hrs online course on" Arduino step by step more than 50 hrs " on 11th June 2019.

MONTHLY PROGRESS REPORT FOR THE MONTH OF JULY - 2019

Date: 02/08/2019

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.

Session Chair:

- Dr Seema Singh, Prof. & HoD, Department of Electronics & Telecommunication Engineering, was session chair for IEEE CONECCT 2019, International Conference on Electronics , Computing and Communication Technologies, IIIT Bengaluru on 27th July 2019.



Dr. Seema Singh as session chair at IITB

Resource Person:

- Mr. Siddiq Iqbal and Mr. Banuprakash R, Assistant Professors, Department of Electronics & Telecommunication Engineering, has extended their support as Resource person for 15 days STTP on RF communication and Networking, from 19th to 20th July 2019 conducted for final year students at East West Institute of Technology, Bengaluru.
- Mr. H.Ganapathy Hebbar, Visiting Professor, Department of Electronics & Telecommunication Engineering, 4 has extended his support as Resource person for 15 days STTP on RF communication and Networking, on 18th July 2019 conducted

for final year students at East West Institute of Technology, Bengaluru.



Mr. Siddiq Iqbal delivering a talk at East West Institute of Technology

Best Paper Award:

- Mr. Banuprakash R, has received a BEST PAPER AWARD for the research paper titled ” A miniaturized dual band microstrip antenna for Worldwide interoperability microwave access and C band radio navigation” at International Conference on Advanced Information and Technology-ICAIT-2019 conducted in AIT Chikmagalur, from 25th to 27th July 2019.

Out Reach Activity:

- Mrs. Sumathi M S , Assistant Professor, Department of Electronics & Telecommunication Engineering delivered a talk on “Computer Applications And Programming” at Govt High primary School, Marasandra on 6th JULY 2019



Mrs. Sumathi M S delivering a talk Computer Applications and Programming” to Govt. Primary school students

Memorable Moments

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

Induction program for higher semester:

- Department of Electronics & Telecommunication Engineering conducted induction program for 3rd semester and 5th semester Students on 29th July 2019. The following points were highlighted in the program: courses and course coordinators, activities conducted for each course to bridge the gaps in PO's, Results and scope for improvement, facilities available in view of research and central facilities, Internship, Placement training, rules and regulations of the department, proctors assigned.



Induction Program for higher semester

Industry – Institute Interacton

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

Faculty Internship:

- Mr. Mallikarjuna Gowda C P , Associate Professor, Dept. of ETE has undergone Industry internship on the topic Design and development process of software defined radio at Pragmatic Emdb Solutions, Bengaluru from 01st to 11th July 2019.
- Dr. Raju Hajare Associate Professor, Dept. of ETE has undergone Industry internship on the topic Electrical Vehicle Technology & Challenge , at Vijay Technologies from 18th to 29th June 2019.

- Mr. Siddiq Iqbal and Mr. Banuprakash R, Assistant Professors, Department of Electronics & Telecommunication Engineering has undergone 10 days internship at United Electronics, Jakkur, Bengaluru from 01st to 15th July 2019.

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.

NIL

Seminars / Expert Talks

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

NIL

Departmental Co-curricular Activities

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

NIL

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:

- Thejaswini S, K M Ravikumar, Jhenkar L, Aditya Natraj, Abhay K K, “ Analysis of EEG Based Emotion Detection of DEAP and SEED-IV Databases using SVM” , International Journal of Recent Technology and Engineering (IJRTE) ISSN: 2277-3878, Volume-8, Issue-1C, May 2019, online on 28th June 2019.
- Saritha IG , Sowmyashree M S " Security based online mailbox services" International Journal of science and development research, vol4- issue7, July 2019.
- Sumathi M S , Antha G S , Laxmisagar H S , shruthi J ."An Intelligent System To Detect Urban Flash Flood Using Wireless Sensors" JETIR June 2019, Volume 6, Issue 6 .

International Conference:

- Seema Singh, “A Neural Network based Attendance Monitoring system using Fingerprint Recognition and Matching in Raspberry Pi “ , IEEE CONECCT – 2019, International Conference on Electronics , Computing and Communication Technologies, IIIT Bengaluru, 26th to 27th July 2019
- Banuprakash R, Chetana C, Lekhya Sindhura, Madhushree M, Mahima Rajendra , ” A miniaturized dual band microstrip antenna for Worldwide interoperability

microwave access and C band radio navigation”, IEEE International Conference on Advanced Information and Technology-ICAIT-2019 , AIT Chikmagalur, from 25th-27th July 2019.

- Siddiq Iqbal , Prerana, Priyanka, Sukrutha , Ganesh ” Attack Resistant Secure Key Management In Wireless Sensor Networks” in International Conference on Advanced Information and Technology-ICAIT-2019 conducted in AIT Chikmagalur, from 25th-27th July 2019.
- Sowmyshree M S ,Saritha IG,Abhishek kalnoor, Aishwarya K , Sahil &Rahul S "IOT based healthcare assistance through thinkspeak" IEEE International Conference on Advanced Information and Technology-ICAIT-2019 , AIT Chikmagalur, from 25th-27th July 2019.
- Anirban Sanyal, Dr.Jayadeva G S, Arvind Srikanth, Sonal pandey, and Vibha K. V “Human Assisting Robot”, First IEEE International Conference on Advances in Information Technology (ICAIT-2019), Adichunchanagiri Institute of Technology, Chikkamagaluru, karnataks, India , 25th -27th July 2019.

Sports

This should cover sports activities conducted by the department / prizes won, etc.

NIL

Placement Activities at BMSIT&M

This should cover the placement activities done by the department.

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:

- Dr. Seema Singh, Prof. & HoD , Department of Electronics & Telecommunication Engineering has participated in the Five days Workshop on “Industrial Automation – PLCs & SCADA” from 16th to 20th july 2019 organized by the Department of Electrical and Electronics Engineering, BMSIT & M, Bengaluru.
- Saritha I G , Sowmya Shree M S , Sumathi M S , Assistant Professors, Department of Electronics & Telecommunication Engineering attended five days FDPs on "Advances in Mechatronics systems" from 16july to 20th July 2019 at Mechanical department ,BMSIT&M.

Online Course completed:

- Thejaswini S , Assistant Professor, Department of Electronics & Telecommunication Engineering, has completed 38 hours of online Udemmy course on “Masters MATLAB through Guided Problem solving “on 10th July, 2019
- Thejaswini S , Assistant Professor, Department of Electronics & Telecommunication Engineering has completed 41.5 hours of online Udemmy course on “Machine Learning A-Z :Hands – on Python & R in data science “on 21st July, 2019
- Siddiq Iqbal, Assistant Professors, Department of Electronics & Telecommunication Engineering has completed 39hrs online course titled “The Essential Android O Developer Course” on 28th July 2019.
- Mr. Banuprakash R, Assistant Professors, Department of Electronics & Telecommunication Engineering has completed 39 hours of online course on “The essential Android O developer” on 27th July 2019.
- Saritha I G Assistant Professor, Department of Electronics & Telecommunication Engineering completed 52.5 hrs online course on" Arduino step by step more than 50 hrs " on 5th July 2019.
- Saritha I G , Sowmyashree M S & Sumathi M S , Assistant Professors, Department of Electronics & Telecommunication Engineering has completed online udemmy course titled " Essential Android o developer " on 4th July 2019.