

Department of Electronics and Communication

Activity Report for the month of July 2017

1. **Name of the Institution:** S.D.M College of Engineering and Technology.
2. **Academic Events organized at Institution:-**

➤ **Workshop :**

No of workshop's Conducted	Topics	Resource Person	No of Participants
01	MATLAB	Mrs.Savitri Raju and Mrs.Shrikant Shirkol	100

3. **Academic Contributions by the Faculties of Institution :**

Type of Contribution	Numbers
Participant-Workshop, CME, ROTP, TOT Seminars, Guest Lectures	Mr.S.S.Navalgund, Mr.M Vijaykumar Mr.Kotresh Marali Mr.Shirkant Shirkol Conducted a training program on "Exploring pointers in C" for 7 th sem students for aiding in campus placement activities. Duration 20 Hrs Date:12 th -19 th Aug 2017 Ms.Megha Sidenur and Ms.Suchita H S Attended short term course on "Design of microwave antennas for wireless applications from 21.08.2017 to 26.08.2017 at IIT, Kharagpur

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Activity Report for the Month of September 2017

1. **Name of the Institution:** S.D.M College of Engineering and Technology.

➤ **Workshop :**

No of workshop's Conducted	Topics	Resource Person	No of Participants
1	"Simulation of signal processing and communication concepts using MATLAB- A Hands on experience"	Dr.Vijaya C and Prof.Sharada Sajjan	125
1	PCB Design workshop	Dr. S.V.Viraktmath	120
1	MATLAB Workshop for III Sem EC students on 1 st Sept.2017.	Prof.Savitri Raju and Prof. Shrikanth Shirkol	125
1	Introduction to signal processing using MATLAB" for 3 rd semester students of EC Dept. on 26 th and 27 th Sep.	Prof. S.S.Navalgund,Prof. Kotresh Marali and Prof. Shrikant Shirkol	142

2. **Academic Contributions by the Faculties of Institution :**

Type of Contribution	Numbers
Participant-Workshop, CME, ROTP, TOT Seminars, Guest Lectures	<ol style="list-style-type: none"> 1. Dr.Shreedhar A Joshi, attended NBA –SAR filling & Preparedness for Assessment 15-17 September 2017. At Hirasugar Institute of Technology, Nidasoshi. 2. Dr.Vijaya C and Prof.Sharada Sajjan conducted workshop on "Simulation of signal processing and communication concepts using MATLAB- A Hands on experience" on 15.09.2017 for V sem students. 3. Dr.S.V.Viraktmath consuected workshop on PCB Design. 4. Mr.Kotresh Marali and Mr. Shrikanth Shirkol participated 5 day FDP on "DSP and its applications at IISc, Bangalore on Sept 11th to 8th 2017.

6. Community services, Extension and consultancy services:

Sl. No.	Dept./Committee	Type of programme	No.
1	Electronic & Communication Dept.	Lecture and demonstration session for high school students of Govt. High School, Yerikoppa "Shalege Banni Shanivara"	1

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Activity Report for the Month of October 2017

1. **Name of the Institution:** S.D.M College of Engineering and Technology.
2. **Academic Contributions by the Faculties of Institution :**

Type of Contribution	Numbers
Participant-Workshop, CME, ROTP, TOT Seminars, Guest Lectures	<p>1. Prof.S.S.Navalgund submitted Ph.D synopsis titled "Manual Routing in FPGA's for DSP Implementations" on 9th Oct 2017 to VTU, Belagavi.</p> <p>2. Dr.S.A.Joshi attended and Presented 2 Papers titled</p> <p>a. " Home Automation system using wireless networks"</p> <p>b. "Wireless controlled military combat Robot system"</p> <p>at 2nd International Conference on Communication and Electronics systems in Coimbatore, India from 19-20 Oct 2017</p> <p>3. Prof.K.N.Hosur, attended and Presented a paper entitled "Recent Advances in Electronics and Communication Engineering" organized by Dept. of E & C BIET, Davangere.</p>

1. **Research activities and output:**

Serial number	Type of project	Ongoing projects	New projects sanctioned in the month of reporting
1	Externally funded faculty projects	Nil	VGST-KFIST Level-I grant of Rs.20,00,000/-

a. **Conference paper/Poster presentations:**

Sl. No.	Name of staff	No. of presentations
1	Dr.S.A.Joshi	2
2	Prof.K.N.Hosur	1

➤ **Academic Achievements:**

- a. All the V semester students visited sandbox startup located at Deshpande Foundation. Students were given opportunity to discuss and interact with the company people regarding startup and also a visit was given to the lab which was setup in the same.

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Activity Report for the Month of November 2017

3. **Name of the Institution:** S.D.M College of Engineering and Technology.

4. **Academic Contributions by the Faculties of Institution :**

Type of Contribution	Numbers
Participant-Workshop, CME, ROTP, TOT Seminars, Guest Lectures	1. Dr.S.A.Joshi attended Two day Summit on "Melting pot 2020" for solving problems of India through Innovation at Hyderabad.

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Activity Report for the Month of January 2018

1. Name of the Institution: S.D.M College of Engineering and Technology.

➤ Workshop :

No of workshop's Conducted	Topics	Resource Person	No of Participants
01	Internet of things	Mr. Rajesh Chavan, Mr. Vinayak Dhogadi and Mr. Ajay Kabadi, Amasa Embedded Solution, Hubballi	80

2. Academic Contributions by the Faculties of Institution :

Type of Contribution	Numbers
Participant-Workshop, CME, ROTP, TOT Seminars, Guest Lectures	<ol style="list-style-type: none"> 1. Dr. Hemalata V B, Mrs. Mala L M , Mrs. Sumangala N B and Mrs.Preethi Bellereimath – Attended 2 days National Seminar Scheduled on 22nd & 23rd Jan., 2018 Capacity Building Training Program on the usage of energy conversation Building Code (ECBC)-2014 conducted by Bureau of energy Efficiency (BEE) and Karnataka Renewable Energy Development Ltd., (KREDL) in association with VTU, Belgavi 2. Mrs. J V Sangeetha Goud and Dr. S A Joshi- Attended 6 days course from 14th to 19th Jan. 2018 in Fundamental of Optical Wireless Communication conducted by Global initiative for academic Networks at VNIT, ECE dept., Nagpur. 3. Mr. Shrikanth Shirkol and Dr. S. S. Kerur – participated in 47th ISTE National Annual Convention 2018 held from 27th to 29th Jan. 2018 at Saintgits College of Engineering, Kottayam and presented a technical paper on “Design and FPGA Implementation of DCT using FPA for multimedia application. 4. Mrs. Reshma Nadaf , Ms. Megha S , Mrs. J V Sangeetha Goud, Mrs. Mala L M , Mrs. Sumangala N B and Mrs.Preethi Bellereimath – attended 2 days workshop on Internet of Things organized at ISE Department , SDMCET, Dharwad

3. Research activities and output:

Serial number	Type of project	Ongoing projects	New projects sanctioned in the month of reporting
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Sl. No.	Title of the Research Work	Name of the Principal Investigator	Funding Agency	Year of Sanction	Amount Sanctioned (in Lac)	Amount Released till date (in Lac)	Period
01	" Design and Development of optimized spectral techniques in Hyper spectral Mapping of crop & Soil for Precision Agriculture".	Dr. Hemalatha Bhujle	VGST-KFIST (L1)	2017-18	Rs.20 lakhs	Rs.10 lakhs	2017-19

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Activity Report for the Month of February 2018

1. Name of the Institution: S.D.M College of Engineering and Technology.

➤ Workshop :

No of workshop's Conducted	Topics	Resource Person	No of Participants
01	" Embedded Systems Using Aurdnino Uno"	Prof. Reshma Nadaf and Prof. M. Vijay Kumar organised one day workshop on 10th Feb.2018 for VI sem Students	77
02	Digital Circuit Design using Verilog and Implementation using Spartan 6 FPGA boards"	Prof. Vinayak Miskin conducted Training for VI sem students of E & E.	39

➤ Guest Lectures:

No of Guest lecturers Conducted (Department wise)	Name of the Guest Lecturer
01	Prof. Dr. Harish Kittur, Dept of Micro and Nano Electronics School of Electronics Engineering, VIT, Vellore, Tamil Nadu delivered talk on 22.02.2018 for PG students. Topic - " Semiconductor Memory Design and Testing "
02	Invited lecture on Trends in VLSI/ FPGA Design by Mr. KDNVS Prasad and Mr. Mastan Rao, BEL, Bengaluru

2. Academic Contributions by the Faculties of Institution :

Type of Contribution	Numbers
Chairing/ Moderator at scientific session	Dr. S. S. Kerur, Assistant Prof. attended International Conference as session chair from 09.02.2018 to 10.02.2018 at REVA University, Bengaluru.

10. Student Achievements:

- Participation and recognitions won in Sports, Cultural, Literacy and other competitions: Ms. Tejaswini M T of VIII semester participated in Inter University Badminton Tournament.

Others : Sri K. N. Hosur, Assistant Prof. successfully completed his Ph.D Viva-Voce on 22.02.2018 in the department of E & C.

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Activity Report for the Month of February 2018

3. Name of the Institution: S.D.M College of Engineering and Technology.

Others : Mrs. Sharada C. Sajjan completed her PhD on 12-03-2018. She pursued her PhD under the guidance of Prof. Dr. Vijaya C. Her research is on 'Large Vocabulary continuous speech Recognition of Kannada Language'.

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Activity Report for the Month of March 2018

1. Name of the Institution: S.D.M College of Engineering and Technology.

➤ Workshop :

No of workshop's Conducted	Topics	Resource Person	No of Participants
01	A unique activity called "Programming Tricks" in association the IETE students Forum (ISF) and the department on 23.03.2018	Sri. S. S. Navalgund, Dr. S S Kerur, Sri M Vijay Kumar Sri Kotresh Marali and Shirkanth Shirkol	128

2. Academic Contributions by the Faculties of Institution :

Type of Contribution	Numbers
Participant-Workshop, CME, ROTP, TOT Seminars, Guest Lectures	1. Dr. Satish Bhairannawar, Professor Technical Talk and Hands on Session in One week Faculty Development Program on " Advanced FPGA Based VLSI System Design and Research Applications" at Dr. Ambedkar Institute of Technology, Bangalore from 05.03.2018 to 09.03.2018. 2. Dr. Hemaltha attended interaction meeting at JNCASR to connection with VGST grants.

	<p>3. Sri. S. S. Navalgund , Asst. Prof. – Internal judge for paper presentation contest called “ Patra Sanchalan” at the department on 16.03.2018</p> <p>4. Sri. S. S. Navalgund , Asst. Prof. – Judge for c-coding contest at the dept of CSE. The event called “Automata” on 16.03.2018</p> <p>5. Sri. S. S. Navalgund , Asst. Prof.- Delivered an invited lecture on “ Accreditation in Engineering Education” at the institution of Engineers , Dharwad local center.</p>
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Activity Report for the Month of April 2018

1. Name of the Institution: S.D.M College of Engineering and Technology.

2. Academic Contributions by the Faculties of Institution :

Type of Contribution	Numbers
Chairing/ Moderator at scientific session	<p>1. Dr. G. A. Bidkar, Professor had been to DBCE GOA as subject expert for staff selection committee (AP and Professor) on 05.04.2018</p> <p>2. Dr. Satish Bhairannawar, Professor- participation and contribution as session chair in 2nd State level Telecommunication Project Model Competition TELEUTSAV-2018 at GSSS Institute of Engg. & Tech., for women, Mysuru.</p> <p>3. Sri. S. S. Navalgund , Asst. Prof.- panel member for discussion regarding Intellectual property Rights, on the occasion of celebration of world IPR Day @SDMCET, Dharwad</p>

10. Student Achievements:

➤ Participation and recognitions won in Sports, Cultural, Literacy and other competitions:

➤ Academic Achievements: 1) Mr. Ashraf Sawar, Mr. Prajot K, Ms. Megahana and Ms. Inchara H N- 6th semester .Presented a paper on “ design and Implementation of smart Garbage Handling system at the National Conference held at SGBIT, Belgavi.

2) Ms. Netra Angadi and Ms. Kavya Naik –4th sem Presented a paper on “ Women Entrepreneurship in India at the National Conference held at SGBIT, Belgavi

Ms. Savani Nimbargi and Mr. Rahul D – Presented a paper on : Implementation of music player using linked list” at SGBIT, Belgavi

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Activity Report for the Month of May 2018

1. Name of the Institution: S.D.M College of Engineering and Technology.
2. Academic Events organized at Department:-

BOS meeting was held at the department on 19th May, 2018. Following are the invitees (External members)for BOS meeting.

1. Dr. Rohini Nagapadma, Professor & Head,NIE, Mysuru
 2. Dr. B G Sheeparmatti, Professor, BEC, Bagalkot.
 3. Dr. Patawardan, Professor & Head, GIT, Belgavi
 4. Mr. Sameer Kukarni, Project Leader, L & T services, Bengaluru
 5. Mr. Dharamraj M N, Engineering Manger, Intel Mobile Communication India Pvt. Ltd, Bengaluru
 6. Mr. Majunath C Koti, Senior Program Manager, RBEI, Bengaluru.
- All the faculty members actively, participated in the BOS meeting.

3. Academic Contributions by the Faculties of Institution :

Type of Contribution	Numbers
Participant- Workshop, CME, ROTP, TOT Seminars, Guest Lectures	<ol style="list-style-type: none"> 1. Dr. Vijaya C , Dr. Satish B, Dr. Shreedhar Joshi, Mrs. Savitri Raju Mrs. Jayashree C Nidagundi and Mrs. Sharada Sajjan had participated in "Intel Sponsored 1 day Faculty Development Programme (FDP) on Artificial Intelligence / machine Learning / Deep Learning on 18th may, 2018 at SDMCET, Dharwad. 2. Prof. S. V. Viraktamath was invited as guest lecture@ SGBIT , Belgavi. Topic : LIC Applications on 11th May, 2018. 3. Dr. Satish B was invited as guest lecture@ SGBIT , Belgavi. Topic : "Recent Trends on Electronics" on 17th May, 2018. 4. Ms. Megha G Shidenur was invited lecture @ Institute of Engineers (India), Dharwad Local center. Topic: has given an Cryptography on 29th may, 2018

a. Conference paper/Poster presentations:

Sl. No.	Name of staff	No. of presentations
01	Authors of the paper: Dr. Gopal A Bidkar, Dr. Shreedhar Joshi and Mr. Rahuram K M	01 Mr. Rahuram K M presented the paper titled "Data acquisition and analysis between from sensors to cloud" at International Conference on Recent Trends in Technology 2K18 in SDMIT, Uijre

10. Student Achievements:

1. Ms. Megha Honninaika, Ms. Shireenfatiama A Hangal, Ms. Praneeta R S and Ms. Sapna B Patil of 4th sem. M. Tech students have attended and presented a paper in 8th International Conference on Emerging Trends in Engineering on PiC word: Displaying a picture as a collection of Keywords.

11. Others :

1. Dr. Satish B attended the practical term work in the subjects Ph. D. Doctoral Committee Review of the Ph. D on 18th may, 2018 in KLE Technological University, Hubballi.

2. Dr. K. N. Hosur attended the practical term work in the subjects Project work of VIII sem in KLE Technological University, Hubballi.
3. Mr. Vyas Murnal attended the practical term work in the subjects Project work of VIII sem in BVBCET, Hubballi.
4. Mr. Mahendra M. Dixit, Mr. Bairu K Saptalakar and Mr. Sunil Mathad attended the practical term work in the subjects Project Phase II of VIII sem in Basaveshwar Engg. College, Bagalkot.

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Activity Report for the Month of July 2018

1. Name of the Institution: S.D.M College of Engineering and Technology.
2. Academic Contributions by the Faculties of Institution:

Type of Contribution	Numbers
Participant-Workshop, CME, ROTP, TOT Seminars, Guest Lectures	<ol style="list-style-type: none"> 1. Dr. S. V. Viraktamath, AP attended One day training on election software at Engineering Staff College, Hyderabad on 28.07.2018 2. Dr. Shreedhar A Joshi, AP attended Stakeholders Workshop on approval process 2019-20 at Vivekananda Auditorium, Anna University, Chennai on 17.07.2018. 3. Dr. G. A. Bidkar , Professor, participated in NPTEL workshop on 19th July, 2018. 4. Dr. Sreedhar Joshi, Professor attended as Technical Program Committee member for international conference CMSMS 2018 Seoul, South Korea on 19th & 20th July. 2018

a. Faculty publications:

Sl. No.	Name of staff	No. of publications
01	Dr. Hemalata Bhujle	01 : Title of the paper :Fast NLM denoising for MR image sequences. IEEE signal processing society International SPCOM-2018, IISc Bangalore, 16 th to 19 th July 2018 Oral acceptance rate:16%

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Department of Electronics and Communication
Activity Report for the Month of August 2018

Workshop :

No of workshop's Conducted	Topics	Date	Resource Person	No of Participants
01	Exploring Pointers in C	4 th to 8 th August, 2018	Prof. S. S. Navalgund Prof. Shrikanth Shirkol	7 th sem students :75
02	Python and its Real time Application	18 th to 19 th August, 2018	Mr. Praveen Kori, MPS Lab	5 th sem students :85

Academic Contributions by the Faculties of Institution :

Type of Contribution	Numbers
Participant-Workshop, CME, ROTP, TOT Seminars, Guest Lectures	Dr. S. V. Viraktamath, Asst. Prof. attended one day workshop on "AICTE Model Curriculum for PG" at BNMIT Bangalore organized by VTU.

Activity Report for the month of September 2018

Workshop :

No of workshop's Conducted	Topics	Resource Person	No of Participants
01	programming in C (6 th to 8 th October, 2018)	Prof. S. S. Navalgund	40 (5 th sem E & E)

Academic Contributions by the Faculties of Institution :

Type of Contribution	Numbers
Participant-Workshop, CME, ROTP, TOT Seminars, Guest Lectures	Mr.S.S.Navalgund, Mr.M Vijaykumar Mr.Kotresh Marali Mr.Shirkant Shirkol Conducted a training program on "Exploring pointers in C" for 7 th sem students for aiding in campus placement activities. Duration 20 Hrs Date:12 th -19 th Aug 2017 Ms.Megha Sidenur and Ms.Suchita H S Attended short term course on "Design of microwave antennas for wireless applications from 21.08.2017 to 26.08.2017 at IIT, Kharagpur

Activity Report for the month of October & November 2018

Workshop :

No of workshop's Conducted	Topics	Resource Person	No of Participants
1	Qualnet Simulator 7.4	Mr. Nikhil Kukarni and Mr. Sanketh, Nihon communication Ltd., Bangalore	60
2	Network Simulator 2.35	Dr. Kiran Manjappa, NITK, Surthkal. 28 th November, 2018	50
3	"Analog and Digital circuit simulation using Multisim and Tina"	for 3 rd Semester students on 23 rd October 2018.	65
4	Programming in C	Prof. S. S. Navalgund on 6 th to 8 th October, 2018	60
5	Pranayam and Yoga Practise	SDMCET students by team Unnati	50
6	School Visit to Yerikoppa village to teach the students of government school	SDMCET students by team Unnati	12

Academic Contributions by the Faculties of Institution :

Type of Contribution	Numbers
Resource persons/ Invited Speakers at scientific sessions	1. Delivered a talk on "Best Practices in Teaching-Learning" on 2nd November 2018 at SDMCET.
Participant-Workshop, CME, ROTP, TOT Seminars, Guest Lectures	<ol style="list-style-type: none"> 1. Dr. Vijaya C has successfully completed NPTEL course on Introduction to probability and Statistics held on 07/10/2018 and Gender Justice and Workplace Security held on 28/10/2018. 2. Dr. Shreedhar A Joshi has completed the 12 weeks NPTEL course conducted by IIT, Khanpur on Fiber Optic Communication Systems and Techniques. 3. Mrs. Jayashree C. Nidagundi, has attended the seminar witching Circuits and Logic Design on October 18, 2018 Computer Science IIT, Madras 4. Prof. Savitri Raju-Successfully completed NPTEL examination Programming, Data Structures and Algorithms using Python, October 07, 2018. 5. Prof. Savitri Raju- Successfully completed NPTEL examination " The Joy of Computing using Python", October 28, 2018 and awarded with gold certificate. 6. Prof. Jayashree.C.Nidagundi Successfully completed and passed NPTEL examination on "Switching ckts and logic design". 7. Dr. Sharada C. Sajjan Successfully completed and passed NPTEL examination on "Switching ckts and logic design". 8. Mr. Vinayak P. Miskin - FDP course of 8 weeks on

	<p>Hardware modeling using verilog and cleared the exam as organized by NPTEL.</p> <p>9. Mrs Preeti B has successfully cleared the NPTEL online exam (12 week course) - Switching circuits and logic design on 28th, October, 2018.</p> <p>10. Mrs. Channakka L. successfully written NPTEL online exam on Information theory coding and cryptography “ 28th October, 2018</p> <p>11. Dr. Shreedhar A Joshi has conducted and attended the hands on training program on 16th Nov., 2018 “Qualnet Simulator 7.4”</p> <p>12. Dr. Shreedhar A Joshi has conducted and attended the hands on training program on 23rd Nov., 2018 Network Simulator 2.35</p>
Chairing/ Moderator at scientific session	1. Prof. S. S. Navalgund appointed as Editor of ET-Talk (the monthly news bulletin of IE-I, Dharwad Local Center).

December 2018 - Nil

Activity Report for the month of January 2019

Academic Contributions by the Faculties of Institution :

Type of Contribution	Numbers
Resource persons/ Invited Speakers at scientific sessions	1. Dr. S. A. Joshi, Professor delivered the talk in one week National Level Workshop on “ Long Term Evolution-Advanced and Its Research Challenges” at Jawaharlal Nehru National College of engineering, Shivamogga from 31.01.2019 to 01.02.2019
Participant-Workshop, CME, ROTP, TOT Seminars, Guest Lectures	<p>1. Prof. S. S. Navalgund- Participated in the 2 days FDP on "Technical Education and Skill development in India" at SDM CET on 23rd and 24th Jan. 2019.</p> <p>2. Dr. S. Virkthmath has participated and successfully completed three days VGST GOK sponsored Faculty development Program on “ Technical Education and Skill Development in India T SDM CET, Dharwad from 23rd to 25th Jan, 2019</p>
Chairing/ Moderator at scientific session	1. Prof. S. S. Navalgund External examiner for Practical examination for MSc-Electronics of 1st semester on 21st January 2019.

Faculty Achievements :

1. Sri M. M. Dixit, Assistant Prof. successfully completed his Ph.D Viva-Voce on 26.01.2019 under the guidance of Dr. Vijaya C.
2. Mrs. Akshata Konnur successfully completed his Comprehensive Viva-Voce on 26.01.2019 under the guidance of Dr. Vijaya C.

Activity Report for the month of February 2019

Workshop :

No of workshop's Conducted	Topics	Resource Person	No of Participants
1	BSNL Training	BSNL Training center, Hubballi. 28.02.2019 to 02.03.2019	150

Academic Contributions by the Faculties of Institution :

Type of Contribution	Numbers
Resource persons/ Invited Speakers at scientific sessions	1. Mrs. Preeti S. B. devliered talk on topic “ Role of Women in Entrepreneurship” on 12.02.2019 at the Institution of Engineers (India), Dharwad Local Center Dharwad.
Participant-Workshop, CME, ROTP, TOT Seminars, Guest Lectures	1. Dr. S. S. Kerur, Mrs J. C Nidgundi and Mr. Siddalingesh Navalgund are attended two days National Conference “ Gyan Sangam 2019” at KLE Technological University, BVBCET, Campus Hubballi on 14.02.2019 & 15.02.2019.

Faculty publications:

Sl. No.	Name of staff	No. of publications
1	Sri Vyas Murnal	Attended and presenting a research paper entitled A Quai Ballistic Drain Current model with position Scattering Dependency applicable for nano-scale DG MOSFETs” in the 2019 Third IEEE international Conference on Electrical , computer and communication Technologies held at SVS College of Engineering , Coimbatore Tamil Nadu during 20-22 February 2019

Activity Report for the month of March 2019

Academic Contributions by the Faculties of Institution :

Type of Contribution	Numbers
Participant-Workshop, CME, ROTP, TOT Seminars, Guest Lectures	1. Mrs. J. V. Sangeethagouda attend a Cisco Training Program at Coimbatore from 11 th to 23 rd March, 2019. 2. Dr. S. V. Virktamath, attended workshop on Latex A Document Preparation System” sponsored by LEAD Shivaji University, Kolhapur, Maharastra India and Bentham Science Publications, USA organized by Sanjay Ghodawat Group of Institutions, Atigre, Kolhapur on 15 th and 16 th March, 2019. 3. Mr. M Vijay Kumar attended workshop on Latex A Document Preparation System” sponsored by LEAD Shivaji University, Kolhapur, Maharastra India and Bentham Science Publications, USA organized by Sanjay Ghodawat Group of Institutions, Atigre, Kolhapur on 15 th

	<p>and 16th March, 2019.</p> <p>4. Dr. S. S. Kerur attended National Conference 48th ISTE National Annual Faculty Convention at Belgavi on 19th and 20th March, 2019.</p> <p>5. Mr. M Vijay Kumar attended National Conference 48th ISTE National Annual Faculty Convention at Belgavi on 19th and 20th March, 2019.</p> <p>6. Mrs. Jayshree C Nidagundi attended National Conference 48th ISTE National Annual Faculty Convention at Belgavi on 19th and 20th March, 2019.</p> <p>7. Mr. S S Navalgund attended National Conference 48th ISTE National Annual Faculty Convention at Belgavi on 19th and 20th March, 2019.</p> <p>8. Ms. Preeti B attended National Conference 48th ISTE National Annual Faculty Convention at Belgavi on 19th and 20th March, 2019.</p> <p>9. Mr. S S Navalgund, Mrs. Jayshree C Nidagundi Dr. S. S. Kerur & Mrs. J V Sangeethagouda are attended the National conference Gyan Sangam 2019 @ KLE Technological University, Hubballi</p>
Chairing/ Moderator at scientific session	1. Dr. G. A. Bidkar attending the as the subject expert for the conducts of interviews on 19 th March, 2019 at Don Bosco College of Engineering, Fatroda, Margao- Goa

a. Conference paper/Poster presentations:

Sl. No.	Name of staff	No. of presentations
1	Dr. G. A. Bidkar	01 A comparative analysis of circular and hexagonal split ring resonator for reduction of mutual coupling effect in IEEE International Conference Reduction on Recent Advances in Energy Efficient Computing and Communication organized at St. Xavier's Catholic College of Engineering , Nagercoil, Tamil Nadu on 7 th and 8 th March, 2019.
02	Mr. S S Navalgund Mr. M Vijay Kumar Dr. S. S. Kerur	01 Presented a paper on " Innovations in Technical Education: A case study at SDMCET at VTU- ISTE Annual National Faculty Convention at VTU Belgavi on 19 th March, 2019
03	Mrs. Jayshree C Nidagundi Ms. Preeti B Dr. S. S. Kerur	01 Presented a paper on " Role of women Empowerment through technical Education at VTU- ISTE Annual National Faculty Convention at VTU Belgavi on 19 th March, 2019

➤ **Faculty Achievements :**

1. Accenture Star Achiever award has been given to **Prof. Dr. Vijaya C.** on the occasion of International Women's Day

Activity Report for the month of April 2019

Academic Contributions by the Faculties of Institution :

Type of Contribution	Numbers
Resource persons/ Invited Speakers at scientific sessions	1. Prof. S. S. Navalgund delivered an highly informed talk on the topic “ Google Innovatons” on 30.04.2019 at The Institution of Engineers (India), Dharwad local Centre, Dharwad
Participant-Workshop, CME, ROTP, TOT Seminars, Guest Lectures	<ol style="list-style-type: none"> 1. Mr. Vyas Murnal attended and presented the paper An analytic Potential based velocity saturated Drain Current, Charge and Capacitance model for short channel symmetric Double Gate MOSFETs in the First international conference on Advances in Electrical and Computer Technologies 2019 held at Hotel Aloft, Coimbatore, Tamil Nadu during 26-27 April- 2019. 2. Dr. K N Hosur attended Faculty Development Programme on Research Funding Opportunities and proposal preparation for Academicians at PESIT& M, Shivamogga on 22.04.2019 to 29.04.2019. 3. Dr. Vijaya C has taken NPTEL online examination on Teaching And Learning in Engineering on 28th April, 2019. 4. Mrs. Savitri Raju has taken NPTEL online examination on Control systems on 28th April, 2019. 5. Dr. S. V. Viraktamath has taken online NPTEL examination on Microprocessor and Microcontroller on 27th April, 2019. 6. Mrs. Jayashree taken NPTEL online examination on Teaching And Learning in Engineering & C mouse digital VLSI Design on 28th April, 2019. 7. Sri Siddalingesh S Navalgund has taken NPTEL online examination on Introduction to Research & Teaching and learning in Engineering on 27th & 28th April, 2019. 8. Dr. S A Joshi has taken NPTEL online examination on Effective Engineering Teaching in Practice and Basics of software defined radios and practical applications on 28th April, 2019.

b. Faculty publications:

Sl. No.	Name of staff	No. of publications
1	Mr. Vyas Murnal	01 – An analytic Potential based velocity saturated Drain Current, Charge and Capacitance model for short channel symmetric Double Gate MOSFETs in the First international conference on Advances in Electrical and Computer Technologies 2019 held at Hotel Aloft,

Activity Report for the month of May 2019

Academic Contributions by the Faculties of Institution :

Type of Contribution	Numbers
Resource persons/ Invited Speakers at scientific sessions	1. Mr. S S Navalgund, delivered a Guest lecture on Microprocessor held on 11 th & 12 th May,2019 at S G Balekundri Institute of Technology, Belgavi
Participant-Workshop, CME, ROTP, TOT Seminars, Guest Lectures	<ol style="list-style-type: none"> 1. Mrs. Savitri Raju & Dr. S. V. Virkatamath are attended Examination Reform Workshop at GCEM, Sonnenahalli, Hoodi Village, near K R Puram Bengaluru on 08.05.2019. 2. Dr. K. N. Hosur, has participated in VTU TEQIP 1.3, sponsored Faculty development programme on Research Funding Opportunities & Proposal preparation for Academicians” organized by Dept. of ECE PES Institute of Technology and Management, Shivamogga from 27th to 29th April, 2019 3. Mr. Vyas Murnal has attended the internal conference on VLSI Signal Processing, Power Systems, Illumination and control, Communication and Embedded Systems (VSPICE-2019) at NMAM Institute of Technology, Nitte on 23rd & 24th May, 2019.

Faculty publications:

Sl. No.	Name of staff	No. of publications
1	Mr. Vyas Murnal	01 Paper presented titled “ A carrier Scattering Dependent Quasi-ballistic Drain Current Model Valid for Nanoscale Double Gate MoSFETs” in the internal conference on VLSI Signal Processing, Power Systems, Illumination and control, Communication and Embedded Systems (VSPICE-2019) at NMAM Institute of Technology, Nitte on 23 rd & 24 th May, 2019.

Activity Report for the month of July 2019

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Activity Report for the month of June 2019

----- Nil -----

Activity Report for the month of July 2019

Academic Contributions by the Faculties of Institution :

Type of Contribution	Numbers
Participant-Workshop, CME, ROTP, TOT Seminars, Guest Lectures	<ol style="list-style-type: none"> 1. Dr. S. V. Viraktamath, Mrs. Mala L. Muddannavar, Mrs. Jayashree C. Nidagundi, Mrs. Preeti S. Bellerimath, Dr. Sharada C. Sajjan, Mr. Shrikanth K. Shirakol, Mr. Kotresh E. Marali, Mrs. Channakka C Lakkanavar, Ms. Megha G. Shidenur, Mr. Raghuram K.M., Mrs. Reshma Nadaf, and Mrs. Sumangala Bhavikatti are participated and successfully completed three days faculty development program on "IOT Using ARM and RASPBERRY Pi" held from 29th to 31st 2019 organized at ISE Dept, SDMCET, Dharwad. 2. Mrs. Sangeeta Gouda has participated and successfully completed three days faculty development program on "Outcome based on Education" held from 29th to 31st 2019 organized at CSE Dept, SDMCET, Dharwad.

Activity Report for the month of August 2019

Workshop

No of workshop's Conducted	Topics	Resource Person	No of Participants
01	Training VLSI Circuit Design	Mr. Kidarnath, NTUPLE, Bangalore	15

Academic Contributions by the Faculties of Institution :

Type of Contribution	Numbers
Resource persons/ Invited Speakers at scientific sessions	1. Mr. S S Navalgund & Mr. S K Shirkol are resource persons for 2 day hands on training on "Exploring Pointers in C" @ SDMIT, Ujire for ECE and EEE final year students.
Participant-Workshop, CME, ROTP, TOT Seminars, Guest Lectures	<ol style="list-style-type: none"> 1. Mr. S S Navalgund & Mr. S K Shirkol, Mrs Reshma Nadaf, Mrs Channakka L, Mr Kotresh Marali and Mr. M Vijayakumar are taken refresh course for placements for 7th semester ECE & EEE students from 10th to 12th August, 2019 2. Mrs. Jayashree C N has attended as external examiner for M. Tech IV sem. major project on 21.08.2019 at KLE Technological University, Hubballi

Activity Report for the month of September 2019

Academic Contributions by the Faculties of Institution

Type of Contribution	Numbers
Participant-Workshop, CME, ROTP, TOT Seminars, Guest Lectures	Dr. S. A. Joshi, Dr. K. N. Patil and Dr. S. S. Kerur attended the largest gathering of the Education Section : Didac India 2019 and AICTE meet at BIEC, Bengaluru from 24.09.2019 to 26.09.2019

Faculty publications:

Sl. No.	Name of staff	No. of publications
1	Dr. G. A. Bidkar & Mr. Pradeep A. S (Ph.D Scholar)	02 "A Novel Design of steered Array Lens Antenna System with Isolation Enhancement"(IJRTE) published in International Journal of Recent Technology and Engineering ISSN (2277-3878) vol 8 Issue 3online. https://www.ijrte.org/ , Paper ID:IJRTE_Paper_1868 "Design and Analysis of modified split Ring Resonator for reduction of Mutual Coupling in Micro strip Patch Antenna Array". ISSN 2249-8958 https://www.ijeat.org/ . download Paper ID:IJRTE_Paper_1787

Community services, Extension and consultancy services:

Sl. No.	Dept./Committee	Type of programme	No.
1.	E & C	Faculty members accompanied 5 th semester B division students for campaigning for "Plastic free Environment at Kanvi- Honnapur village" on 21 st September, 2019	50

Innovative activities:

Sl. No.	Dept.	Name of activity
01	E & C	Innovative Idea Presentation - 6 teams participated in the event and best 2 ideas were selected at department level. Out of 2 best ideas 1 (one) team secured 1 st place a college level. 2SD17EC092 – Sanket Hegde 2SD17EC026- Deepak Hegde 2SD17EC122- Deepak Bhat Innovative Idea Presentation on " Smart Cook"

Faculty Achievements :

1. Mr. S. S. Navalgund, appointed to conduct internal academic audit of all depts. in the college.
2. Dr. Vijaya C., Dr. S. A. Joshi, Mr. S. S. Navalgund, Mr. S. Mathad and Mr. G. G. Mane are individually submitted the VTU CRFS research proposal for funding.

Activity Report for the month of October 2019

Workshop :

No of workshop's Conducted	Topics	Resource Person	No of Participants
01	3 Day Faculty Development Program on " Introduction to Python" for internal faculty	Sri S S Navalgund, SDM CET, Dharwad	54

Academic Contributions by the Faculties of Institution :

Type of Contribution	Numbers
Resource persons/ Invited Speakers at scientific sessions	Sri S S Navalgund, resource person for a 1 day talk / workshop on " Model based Design using Simulink " @ BEC, Bagalkot.

Faculty publications:

Sl. No.	Name of staff	No. of publications
1	Sunil S Mathad and Dr. Vijaya C	01 : "Revised architecture for automatic modulation recognition" in International Journal of Information Technology. An official Journal of Bharati vidyapeeth's Institute of Computer Applications and Management. ISSN 2511-2104 Int.j.inf.tecnol DOI 10.1007/s41870-019-00376-w Accepted :17 th October, 2019

Activity Report for the month of November 2019

Seminars/Conferences

No of Seminars /Conferences/ FDP Conducted	Topics	Resource Person	No of Participants
01	Three days FDP program on "Embedded System Design Flow on Zynq Using Vivado"	Mr. Vijendra V, CoreEL Technologies, Bengaluru	40

Guest Lectures

No of Guest lecturers Conducted (Department wise)	Name of the Guest Lecturer/ Talk
01	Dr. Satish S. B delivered talk on Research and funding during 29 th November 2019 for PG students.

Academic Contributions by the Faculties of Institution :

Type of Contribution	Numbers
Resource persons/ Invited Speakers at scientific sessions	1. Mr. S. S. Navalgund attended as resource person for the FDP on " Embedded Design Flow on Zynq using Vivado" @ SDM CET, Dharma Topic: Verilog Synthesis

Participant-Workshop, CME, ROTP, TOT Seminars, Guest Lectures	1. Mrs. Sangeetha gouda successfully completed the NPTEL online certification on “ Developing Soft Skills and personality “ during Aug-Oct-2019
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➤ **Faculty Achievements :**

1. Prof. S S Kerur served as member, National Executive Council, Indian Society for Technical Education, New Delhi for the period from 01.01.2015 to 31.12.2019.

2. Mr. S.S.Navalgund was felicitated on obtaining the 18th rank to SSLC board(1994)by Karnataka High School Dharwad, on account of its Centenary year celebration. (on 29th November 2019)

Activity Report for the month of December 2019

Academic Contributions by the Faculties of Institution :

Type of Contribution	Numbers
Participant-Workshop, CME, ROTP, TOT Seminars, Guest Lectures	1. Dr. S. A. Joshi one day seminar on AICTE Quality Initiates and sensitization of Technical teacher training at Cambridge Institute of technology. K R Puram, Bengaluru on 16.12.2019 2. Dr. Satish S Bhairannawar, attend the meeting of AICTE Prabhudh Bharat at VTU Belgavi on 28.12.2019.

**Research
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submitted for funding: 07

Sl. No	Title	Funding agency	Date of Submission	Cost Rs.	Name of the faculty
1	Establishment of wireless networks laboratory	KFIST1 level	6 th , December, 2019	Rs. 14.24 lakhs	Dr. Jayashree Nidgundi and Mr. S. S. Navalgund
2	Poly house for smat farming	VGST	6 th December, 2019	Rs.40 lakhs	Dr. Satish S. B and Dr. K. N. Hosur
3	FDP on Machine learning technique and deep learning	VGST	6 th , December, 2019	Rs. 2.2 lakhs	Dr. S. V. Viraktamath and Dr. S. S. Kerur
4	Smart helmetfor motorcyclist	VTU	6 th , December, 2019	Rs.2.6akhs	Dr. S. V. Viraktamath
5	VLSI Architecture of image transforms for future video coding (FVC) multimedia applications	VGST (RGF)	4 th , December, 2019	Rs.3.0lakhs	Mr. S. K. Shirakol
6	Architectural Design of Image Transforms for Image Compression Applications	VTU	6 th , December, 2019	Rs.3.0lakhs	Dr. S. S. Kerur
7	Latest trends in the role of Machine learning and IOT Solutions for women Safety and empowerment	VGST	6 th , December, 2019	Rs.2 lakhs	Dr. Jayashree Nidgundi and Mr. S. S. Navalgund

➤ **Faculty Achievements :**

1. Sri S. S. Navalgund, Assistant Prof. successfully completed his Ph.D Viva-Voce examination on 30.12.2019 in the department of E & C.
2. Sri Vyas Murnal, Assistant Prof. submitted the Ph. D. Thesis on 20.12.2019.