

## 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 <sup>th</sup> sem students for aiding in campus placement activities. Duration 20 Hrs Date:12 <sup>th</sup> -19 <sup>th</sup> 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 <sup>st</sup> Sept.2017.	Prof.Savitri Raju and Prof. Shrikanth Shirkol	125
1	Introduction to signal processing using MATLAB” for 3 <sup>rd</sup> semester students of EC Dept. on 26 <sup>th</sup> and 27 <sup>th</sup> 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"> <li>1. Dr.Shreedhar A Joshi, attended NBA –SAR filling &amp; Preparedness for Assessment 15-17 September 2017. At Hirasugar Institute of Technology, Nidasoshi.</li> <li>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.</li> <li>3. Dr.S.V.Viraktmath consuected workshop on PCB Design.</li> <li>4. Mr.Kotresh Marali and Mr. Shrikanth Shirkol participated 5 day FDP on “DSP and its applications at IISc, Bangalore on Sept 11<sup>th</sup> to 8<sup>th</sup> 2017.</li> </ol>

## **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 9<sup>th</sup> 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 19-20Oct 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 &amp; 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"> <li>1. Dr. Hemalata V B, Mrs. Mala L M , Mrs. Sumangala N B and Mrs.Preethi Bellereimath – Attended 2 days National Seminar Scheduled on 22<sup>nd</sup> &amp; 23<sup>rd</sup> 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</li> <li>2. Mrs. J V Sangeetha Goud and Dr. S A Joshi- Attended 6 days course from 14<sup>th</sup> to 19<sup>th</sup> Jan. 2018 in Fundamental of Optical Wireless Communication conducted by Global initiative for academic Networks at VNIT, ECE dept., Nagpur.</li> <li>3. Mr. Shrikanth Shirkol and Dr. S. S. Kerur – participated in 47<sup>th</sup> ISTE National Annual Convention 2018 held from 27<sup>th</sup> to 29<sup>th</sup> 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.</li> <li>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</li> </ol>

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
<b>01</b>	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 - " <b>Semiconductor Memory Design and Testing</b> "
<b>02</b>	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. Naval Gund, 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	<ol style="list-style-type: none"> <li>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</li> <li>2. Dr. Satish Bhairannawar, Professor- participation and contribution as session chair in 2<sup>nd</sup> State level Telecommunication Project Model Competition TELEUTSAV-2018 at GSSS Institute of Engg. &amp; Tech., for women, Mysuru.</li> <li>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</li> </ol>

#### 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- 6<sup>th</sup> 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 –4<sup>th</sup> 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 19<sup>th</sup> May, 2018. Following are the invitees (External members) for BOS meeting.

1. Dr. Rohini Nagapadma, Professor & Head, NIE, Mysuru
  2. Dr. B G Sheepparmatti, 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"> <li>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 18<sup>th</sup> may, 2018 at SDMCET, Dharwad.</li> <li>2. Prof. S. V. Viraktamath was invited as guest lecture@ SGBIT , Belgavi. Topic : LIC Applications on 11<sup>th</sup> May, 2018.</li> <li>3. Dr. Satish B was invited as guest lecture@ SGBIT , Belgavi. Topic : "Recent Trends on Electronics" on 17<sup>th</sup> May, 2018.</li> <li>4. Ms. Megha G Shidenur was invited lecture @ Institute of Engineers (India), Dharwad Local center. Topic: has given an Cryptography on 29<sup>th</sup> may, 2018</li> </ol>

#### 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. Shireenfatiima A Hangal, Ms. Praneeta R S and Ms. Sapna B Patil of 4<sup>th</sup> sem. M. Tech students have attended and presented a paper in 8<sup>th</sup> 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 18<sup>th</sup> 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"> <li>1. Dr. S. V. Viraktamath, AP attended One day training on election software at Engineering Staff College, Hyderabad on 28.07.2018</li> <li>2. Dr. Shreedhar A Joshi, AP attended Stakeholders Workshop on approval process 2019-20 at Vivekananda Auditorium, Anna University, Chennai on 17.07.2018.</li> <li>3. Dr. G. A. Bidkar , Professor, participated in NPTEL workshop on 19<sup>th</sup> July, 2018.</li> <li>4. Dr. Sreedhar Joshi, Professor attended as Technical Program Committee member for international conference CMSMS 2018 Seoul, South Korea on 19<sup>th</sup> &amp; 20<sup>th</sup> July. 2018</li> </ol>

**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 <sup>th</sup> to 19 <sup>th</sup> July 2018 Oral acceptance rate:16%

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