



**S. D. M College of Engineering and Technology, Dharwad.**

**Department of Electronics and Communication Engineering**

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### **Best Practices Adopted**

- Use of Videos and e-learning material for giving exposure to the present trends and scenarios.
- Encouraging students to register for NPTEL courses.
- Encouraging students to apply for KSCST-SPP and VTU funding for the innovative projects.
- Motivating students to participate in extra-curricular activities to enhance their communication skills, team work, life-long learning etc.
- Participation of faculty members in short term courses, faculty development programs and workshops on advanced topics to keep in pace with the advanced level of knowledge and skills.
- Project based Teaching and Learning.
- Interaction with placed students, mock interview by placed students to juniors.
- Connecting classroom delivery with industry experts.
- Guest lecture on technical topics.
- Sharing study materials through Blogs.
- Distribution of various responsibilities among faculty to inculcate leadership quality and smooth functioning of the department.
- Visit to reputed institutes to inculcate their best practices.

**Competence, Commitment and Teamwork**

**SDME Society's**

**SDM COLLEGE OF ENGINEERING AND TECHNOLOGY,**

**DHARWAD – 580 002**

**(An Autonomous Institution affiliated to Visvesvaraya Technological University, Belagavi - 590 018)**



**Department of Electronics and Communication Engineering**

# **Best practices in the Department**

Sl. No.	Name of the Faculty	Best Practices
1	Dr. Vijaya C	Interactive teaching/learning, Project based learning, Seminars on topics beyond syll.
2	Dr. Gopal A Bidkar	Study of Campus Networking, Connecting devices; PC to PC Communication; Report Submission
3	Dr. Shreedhar A. Joshi	Interactive teaching/learning, showing related videos Project based learning.
4	Dr. Satish S. Bhairannawar	Project based learning -
5	Mrs. Savitri Raju	
6	Dr. Hemalata V. Bhujle	Project based learning & solving Gate questions.
7	Dr. S. S. Kerur	
8	Dr. Kalmeshwar. N. Hosur	Simulation based assignments/ case studies.
9	Dr. S. V. Viraktamath	Project based learning / sim <sup>2</sup> based assignment
10	Dr. Sharada C. Sajjan	Simulation <sup>based</sup> activity, Gate problems discussion
11	Mrs. Jayashree C. Nidagundi	showing related Videos & Simulation based group assignment
12	Mr. Siddalingesh S. Navalgund	Simulation based assignments.
13	Mrs. Mala L. Muddannavar	Interactive Teaching/learning, showing related videos giving assignments from NPTEL course
14	Mr. Vinayak Miskin	Interactive teaching/learning, showing related Videos, Giving assignments from NPTEL
15	Mrs. Sumangala Bhavikatti	① Asked to visit nearby industry to know control systems used. ② Asked to register for NPTEL DCP courses & solve Quiz questions.
16	Mr. Sunil S. Mathad	
17	Mr. M. Vijay Kumar	Showing related Videos;
18	Mr. Bairu K Saptalakar	showing related videos
19	Mr. Ravishankar S. S.	Interactive Teaching/Learning.
20	Mr. Kotresh E. Marali	Simulation based / Tool based assignments apart from regular lab experiments.
21	Mrs. Channakka C Lakkanavar	Hobby Projects related to theory subject.
22	Mrs. J V Sangeethagouda	Interactive teaching, showed related video Game project for group activity
23	Mrs. Reshma Nadaf	Interactive teaching/learning. Project based learning.

<u>Sl. No.</u>	<u>Name of the Faculty</u>	<u>Best Practices</u>
24	Mrs. Preeti S. Bellerimath	Interactive teaching, learning, Project based teaching
25	Mr. Shrikanth K. Shirakol	Interactive Teaching learning, Assigning a course project for CTA as a group activity.
26	Mr. Vyas R Murnal	Interactive learning, project-based Teaching
27	Mr. Raghuram K.M.	
28	Ms. Megha G. Shidenur	Intuitive teaching learning, project based learning, showing suitable videos

### Best Practice

Title of the Practice : Visit to industry

Course Teacher : Prof. Sumangala N.B

Target Group Details :

Semester:- IV Sem students (Even sem 2017-18)

Branch:- Electronics and Communication Engineering.

Course:- Control systems

No. of Students:- 60

Duration:- one day

Objectives : To know the real time control systems being used in Industries.

Outcomes :

1. Control systems used in milk industry
2. Control systems used in Ice factory
3. Control systems used in Microfinish etc.

Methodology : The students have visited various industries in Dharwad and also paper mill Dandeli, to know various control systems used .

They submitted the reports of their visit.

Observed Impact : The students have come to know the real time control systems.

### Best Practice

Title of the Practice : Registering NPTEL course.

Course Teacher : Prof. Sumangala N.B

Target Group Details :

Semester:- III Sem students (Even sem 2018-19)

Branch:- Electronics and Communication Engineering.

Course:- Digital Circuit Design.

No. of Students:- 60

Duration:- 12 weeks

Objectives : To study the Digital circuits.

Outcomes :

1. Students could analyse various combinational and sequential circuits.
2. Students could design various combinational and sequential circuits.

Methodology : The students were advised to register for the NPTEL course.

They were asked to show their score of online Quiz.

Observed Impact : The students could better understand the working of Digital Circuits.

### Best Practice

Title of the Practice : Interactive Teaching/Learning

Course Teacher : Prof. S. S. Ravishankar

Target Group Details :

Semester:- VI Div: B

Branch:- Electronics & Communication Engg.

Course:- Management, Entrepreneurship & IPRs

No. of Students:- 67

Duration:- 11-01-2019 to 03-05-2019

Objectives : To make students understand the important concepts

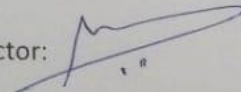
Outcomes :

1. Students understand concepts of Entrepreneurship.
2. Students learn about corporate culture.
3. Students learn aspects of IPRs

Methodology : Questions are asked to the students regarding the concepts of Entrepreneurship, Management and IPRs. Real world examples are quoted to illustrate the important concepts. Students are asked to browse the internet about all the topics of this course.

Observed Impact : Students have understood the various aspects of Management, Entrepreneurship & IPRs as they are applied in the real world.

Signature of Course Instructor:





## Best Practice

Title of the Practice:- Hobby projects

Course Teacher: Prof. Megha G. Shidenur

Target Group Details :Students

Semester:-II 'G'

Branch:-First Year

Course:-Basic Electronics

No. of Students:- 80

Duration:-Jan 2019 to May 2019

Objectives Outcomes:-

1. Identification of components.
2. Building the circuit
3. Working of circuit

Methodology:-

1. Making the group of students.
2. Choosing the circuit.
3. Building the circuit.
4. Demonstration of the working of circuit.
5. Preparation of report.

Observed Impact: -

Students showed interest in collection of circuits and were able to connect the circuit using the breadboard. Few students were able to make small models



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