

## Faculty Activities

| Academic year 2016-17 |                          |                          |                                       |   |
|-----------------------|--------------------------|--------------------------|---------------------------------------|---|
| Sl.No                 | Activities               | Date-Month-Year          | Details of Participants               | Details of Resource Person(s)/Guest                 |
| 1                     | Workshop on Board Design | 19-07-2016 to 23-07-2016 | Staff Members from different branches | Mr. S. M Narasimhan, Freelance Consultant, Mysore . |



A national level five day workshop on Board Design was organized by the department of Electronics and communication Engineering, Vivekananda College of Engineering & Technology, from 19-07-2016 to 23-07-2016 by Mr. S M Narasimhan, Freelance Consultant, Mysore. 20 external participants from neighboring colleges and 30 internal faculty members participated in the program. At the end of workshop participants understood the concepts of schematic design entry basics, PCB design basics, Analog system design and Gerber plots verification and gain more knowledge on PCB design as well as embedded system.

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| 2                     | FDP on Sci lab | 01-09-2016 to 03-09-2016 | EC Staffs               | Mr.Shivaprasad, Department ECE.     |



3 Day Faculty Development Program on Sci lab was conducted from 01-09-2016 to 03-09-2016 by Mr.Shivaprasad, for the faculty members of Department Electronics and Communication Engineering.

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| 3                     | Translation of Simple Ideas into a Funded Project | 11 <sup>th</sup> March 2017. | Staff of various branches | Dr. Roshan joy Martis.<br>Department ECE. |



A talk on “Translation of Simple Ideas into a Funded Project” was arranged by the Department of Electronics and Communication Engineering and Department of Civil Engineering on 11<sup>th</sup> March 2017. Dr.Roshan joy Martis , Department of Electronics and Communication was the resource person. He spoke about different opportunities in receiving funds for research from different government and corporate organizations. He described how to draft research proposal and the common aspects looked after by the reviewers. He also highlighted potential strength and weakness of a proposal. He also provided the national statistics of research funding across different sectors and highlighted that the private sectors also received a good proportion of fund from Indian government.

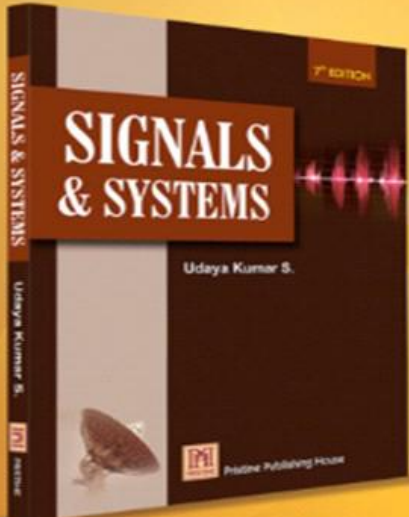
| Academic year 2016-17 |   |                          |                           |  |
|-----------------------|---|--------------------------|---------------------------|--|
| Sl.No                 | Activities  | Date-Month-Year          | Details of Participants   | Details of Resource Person(s)/Guest                            |
| 4                     | FDP on Signals and Systems and Linear Integrated Circuits | 27-01-2017 to 28-01-2017 | Staff of various branches | Dr.Arulal Rajan, Professor, Department of ECE ,NITK Surathkal. |



A Two day Faculty development program(FDP) on “Signals and Systems and Linear Integrated Circuits” was held on 27-01-2017 to 28-01-2017 by Dr. Roshan Joy Martis, Professor, Department of Electronics and Communication VCET and Uday kumar S, Associate Professor, Department of Electronics and Communication VCET and Dr.Arulal Rajan, Professor, Department of Electronics and Communication ,NITK Surathkal.

The workshop majorly dealt with different signals occurring in the nature, their classification, operations on signals, transformation of signals etc. Different representation domains of signals such as Fourier transform, Laplace transform, Z-transform, were discussed with their advantages and disadvantages. A few applications and real time examples were provided. A few potential problems of research also were discussed. The in house and outside participants have learnt the topics from foundations to applications. They have appreciated the contents of the workshop and they asked the department to conduct the same workshop for a week so that they can get more information and apply in their field and teaching practice.

5. Faculty recharge program on Digital Signal Processing and Electromagnetic Theory was conducted from 04-08-2016 to 06-08-2016 by Dr.Roshan Joy Martis and Mr. Udaya Kumar for the faculty members of Department Electronics and Communication Engineering.
6. Faculty Recharge program on “Signals and System” was conducted on 13-03-2017 by Mr. Udaya Kumar S, for the faculty members of Department Electronics and Communication Engineering.
7. Faculty Recharge program on “Microelectronics Circuits” was conducted on 14-03-2017 by Ms. Sowmya Anil, , for the faculty members of Department Electronics and Communication Engineering.
8. Faculty Recharge program on “Microprocessor 8086” was conducted on 15-03-2017 by Mr. Suhandas, , for the faculty members of Department Electronics and Communication Engineering.
9. Dr.Roshan Joy Martis , Professor ,Department of Electronics and Communication published a paper in International journal on “Knowledge –Based System” Volume 99, 1 May 2016, Pages 146-156.
10. Dr.Roshan Joy Martis , Professor ,Department of Electronics and Communication published a paper in International journal on “Image and Video processing ” Processing,DOI: 10.1007/s11760-016-1018-y; Online publication on 16 November, 2016, Ahead of Print Publication.
11. Dr.Roshan Joy Martis , Professor ,Department of Electronics and Communication published a paper in International journal on “Biomedical signal processing and Control” Volume 31, January 2017, Pages 31.
- 12.Mr.Suhandas, Asst. Prof , Department of Electronics and Communication presented a paper in International journal on IJIRSET, volume 5, special Issue 5, May 2016.
13. Mr.Vyasraj T, Asst. Prof , Department of Electronics and Communication published a paper in International journal on IJIRSET, volume 5, special Issue 5, May 2016.
14. Mr.Udaya Kumar S, Associate Professor, Department of Electronics and Communication has authored three text books titled “Signals and Systems, Digital Signal Processing and Basic Electronics”. The seventh edition of his book “Signals and Systems” is the prescribed text book for the undergraduate course in REVA University. His book on Signals and Systems cover more than 800 solved problems with illustration and is the most sought after book by the engineering students in the state of Karnataka and neighboring states.




**KEY FEATURES**

- Conceptual explanations in lucid manner.
- More than 800 illustrative examples.
- More than 500 problems with answers.
- About 250 figures to visualize concepts.
- About 100 derivations to understand the topics.
- Several appendices for transformation of basic signals.
- Balanced presentation of time and frequency domain.
- Helps students for different competitive exams.

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15. Dr. Roshan Joy Martis, Professor of Electronics and Communication engineering at Vivekananda College of Engineering and Technology, Puttur has received “Highly Cited Research Award” for his research article titled “Cardiac Decision Making using Higher Order Spectra” published in Biomedical Signal Processing and Control, an Elsevier Journal in the year 2013. After this article published in 2013, over the years 2014, 2015 and up until June 2016 this article was referred and cited most by the researchers across the world as per the data from scopus. This paper is one of the 5 most highly cited papers published in Biomedical Signal Processing and Control. He has more than 1,200 citations and has a H-index of 20.




**HIGHLY CITED RESEARCH**

CERTIFICATE FOR  
**Highly Cited Research**  
 in Biomedical Signal Processing and Control

Awarded December, 2016 to  
**R. Martis**  
 in recognition of the contribution to the quality of the journal made by:  
 Cardiac decision making using higher order spectra\*

\*paper published in 2013 and cited in 2014/2015 up until June 2016 according to data from Scopus

The Editors of  
 Biomedical Signal Processing and Control



## Student Activities

| Academic year 2016-17 |  |                 |                              |   |
|-----------------------|--|-----------------|------------------------------|---|
| Sl.No                 | Activities   | Date-Month-Year | Details of Participants      | Details of Resource Person(s)/Guest                           |
| 1                     | Inauguration of Association of Electronics and Communication Engineering | 19/09/2016      | ECE staff members & Students | Mr. Yashaswi Narayan, Alumni, Senior Engineer in L&T, Mysore. |



Inauguration of Association of Electronics and Communication Engineering (AECE) was held on 19/09/2016. It was inaugurated by Mr. Yashaswi Narayan, Alumni, Senior Engineer in L&T, Mysore. Shri. Radhakrishna Bhaktha P, Correspondent of Vivekananda College of Engineering & Technology, Puttur, graced the occasion. Presidential Address was given by Principal Dr. M S Govinde Gowda.

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| Sl.No                 | Activities                             | Date-Month-Year | Details of Participants | Details of Resource Person(s)/Guest                       |
| 2                     | Technical seminar on Telecom Standards | 24-09-2016      | ECE & CSE Students      | Mr. Vishnu G Naik, Asst. General Manager, BSNL, Mangalore |



A technical seminar on Telecom Standards was conducted on 24-09-2016 by Mr. Vishnu G Naik, Asst. General Manager, BSNL, Mangalore for the students of third year as well as for the faculty members of Department Electronics and Communication & Computer Science Engineering.

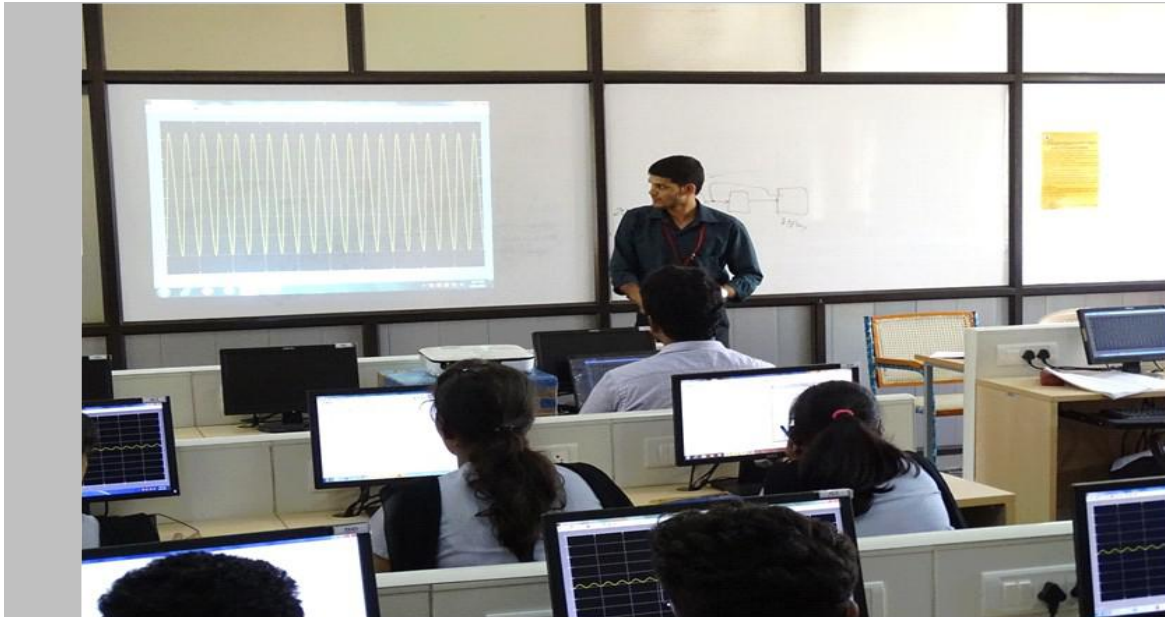


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| Sl.No                 | Activities  | Date-Month-Year          | Details of Participants | Details of Resource Person(s)/Guest   |
| 3                     | Two days workshop on Development of Android Mobile Applications | 24-09-2016 to 25-09-2016 | ECE Students            | Mr. Venugopal, Associate Professor, Dept of Computer Science, and Mrs. Ashwini Venugopal, Associate Professor, Dept of Information Science, NMAMIT, Nitte |



A two days workshop on Development of Android Mobile Applications was conducted from 24-09-2016 to 25-09-2016 by Mr.Venugopal, Associate Professor, Dept of Computer Science, and Ms.Ashwini Venugopal, Associate Professor, Dept of Information Science, NMAMIT, Nitte for the final year students of Electronics and Communication.

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| Sl.No                 | Activities   | Date-Month-Year | Details of Participants | Details of Resource Person(s)/Guest  |
| 4                     | Simulation of Digital Modulation Techniques using Simulink | 20-08-2016      | ECE Students            | Mr.Gurusandesh and Mr.Mahabaleshwar Bhat P, Department Electronics and Communication |



A workshop was conducted on Simulation of Digital Modulation Techniques using Simulink on 20-08-2016 by Mr.Gurusandesh M and Mr.Mahabaleshwara Bhat P, Department Electronics and Communication for the Third year students of Electronics and Communication.

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| Sl.No                 | Activities  | Date-Month-Year          | Details of Participants                            | Details of Resource Person(s)/Guest  |
| 5                     | Simulation of Basic Electronics Circuit Using Orcad | 22-08-2016 to 23-08-2016 | II PUC students of Vivekananda PU College, Puttur. | Mr. Suhandas, Mr. Vinay P, Mrs. Sowmya Anil, Mr. Mahabaleshwara Bhat, Ms. Nirupama and Mr. Shreyas H, Department Electronics and Communication |



A workshop was conducted on Simulation of Basic Electronics Circuit Using Orcad from 22-08-2016 to 23-08-2016 by Mr.Suhandas, Mr.Vinay P, Mrs. Sowmya Anil, Mr. Mahabaleshwara Bhat, Ms. Nirupama and Mr. Shreyas H, Department Electronics and Communication for II PUC students of Vivekananda PU College, Puttur.

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| Sl.No                 | Activities              | Date-Month-Year          | Details of Participants                               | Details of Resource Person(s)/Guest      |
| 6                     | Embedded Systems Design | 18-07-2016 to 23-07-2016 | Third year students of Electronics and Communication. | Mr.Mahesh Padyana, CEO of CloudE, Mysore |



A Six Day Workshop on Embedded Systems Design was conducted from 18-07-2016 to 23-07-2016 by Mr.Mahesh Padyana, CEO of CloudE, Mysore for the third year students of Electronics and Communication.

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| Sl.No                 | Activities             | Date-Month-Year | Details of Participants                               | Details of Resource Person(s)/Guest                                  |
| 7                     | Airbag System Overview | 13-08-2016      | final year students of Electronics and Communication. | Mr. Pavan Bhide, Senior Technical Specialist, Continental, Bangalore |



A technical talk on Airbag System Overview was conducted on 13-08-2016 by Mr. Pavan Bhide, Senior Technical Specialist, Continental, Bangalore for the final year students of Electronics and Communication.

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| 8                     | Realization of Opamp circuits using TINA | 3 <sup>rd</sup> April 2017. | IV semester students    | Mr.Vyasaraj T, Asst.Prof<br>Mrs. Rashmi A V, Asst.Prof and<br>Ms. Nirupama K, Asst.Prof |



Mr.Vyasaraj T,Asst.Prof ,Mrs.Rashmi A V, Asst.Prof and Ms. Nirupama K, Asst.Prof conducted an activity for IV semester students on “Realization of Opamp circuits using TINA ” on 3<sup>rd</sup> April 2017.

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| Sl.No                 | Activities   | Date-Month-Year | Details of Participants | Details of Resource Person(s)/Guest     |
| 9                     | Interactive session on career guidance for engineering graduates | 17-04- 2017.    | ECE Students            | Mr. Ganesh Hebbar, from TIME, Mangaluru |



Mr. Ganesh Hebbar, from TIME, Mangaluru delivered an interactive session on career guidance for engineering graduates. He briefed different avenues and opportunities for fresh engineering graduates. He briefed different opportunities for Higher studies, such as M. Tech and MBA in India and Master of Science (MS) in reputed universities of the globe.

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| Sl.No                 | Activities                        | Date-Month-Year | Details of Participants | Details of Resource Person(s)/Guest   |
| 10                    | Gearing up Life after Engineering | 20-05-2017      | ECE Students            | Mr. Sandeep Naik from MRPL, Mangaluru |



Mr. Sandeep Naik from MRPL, Mangaluru delivered a talk on “Gearing up Life after Engineering” to engineering students. He briefed how to take up and prepare for competitive exams like GATE after engineering. He also briefed different possibilities in taking up the career in different sectors. The students were enlightened by this talk and understood different career opportunities.



11. A workshop was conducted on Power electronics circuit simulation using OrCad Pspice on 20-08-2016 by Mrs.Sowmya Anil and Mrs.Jovita Lasrado, Department Electronics and Communication for the final year students of Electronics and Communication.
12. One day workshop on simulation of Analog Electronic Circuits using OrCAD tool was conducted on 20-08-2016 by Mr. Suhandas and Ms. Nirupama K, Department Electronics and Communication for the second year students of Electronics and Communication.
13. A one day Workshop on Simulation of Analog circuits using Orcad was conducted on 08-10-2016 by Mr. Vinay P, Department Electronics and Communication for the second year students of Electronics and Communication.
14. One day workshop on Power Electronic Circuit simulation using PSPICE was conducted on 06-08-2016 by Mr. Suhandas and Mr. Vinay P, Department Electronics and Communication for the final year students of Electronics and Communication.
15. Mr.Vinay P,Asst.Prof and Mr. Gurusandesh, Asst.Prof conducted an activity for IV semester students on “Realization of circuit using Pspice ” on 20<sup>th</sup> Febuary 2017 .
16. Ms.Sangeetha B L,Asst.Prof presented a “Talk on Antenna types based on HFSS software” for VI semester students on 21<sup>th</sup> and Febuary 2017 .
17. Ms.Rajani Rai,Asst.Prof and Suhandas, Asst.Prof conducted an activity for VI semester students on “Microcontroller programming using Keil ” on 21<sup>th</sup> Febuary 2017 .
18. Ms.Nisha G R, Asst.Prof and Mrs. Deepashree A P, Asst.Prof conducted an activity for IV semester students on “Simulation of logic circuits using Logisim ” on 27th March 2017 .
19. Ms.supreethi k and Ms.vanishree Rao K, VI semester students, Presented a paper in the event “ENVISION-2K17” at SIT Valachil on 27<sup>th</sup> Febuary 2017.
20. Ms. Sanchitha N, Ms. Vanishree Rao, Ms. Suraksha Gowda and Ms. Vishwitha, VI semester students, presented a paper in the event “ENIGMA” at Bearys Institute of Technology on 7<sup>th</sup> March 2017.

21. Mr.Chandan Prasad, Mr.Ashik C H, Mr.Abhishek A and Mr.Naman u, VIII semester students, presented a paper in the “7<sup>th</sup> National Conference on Information Sciences” at MIT Manipal on 24<sup>th</sup> March 2017.
22. Ms.Raksha Y S, Ms.Rashmitha V, Ms.sujna Rai k and Ms.Savitha K T, VIII semester students, presented a paper in the “7<sup>th</sup> National Conference on Information Sciences” at MIT Manipal on 24<sup>th</sup> March 2017.
23. Mr.Akshay H S, Ms.Ahana Rai, Ms.Amulaya B J and Mr.muhammad Irshad, VI semester students, presented a paper in the National Conference at Malnad College of Engineering on 2<sup>nd</sup> April 2017.
24. Ms.Sanchitha N, Ms.Vanishree Rao K, Ms.Suraksha Gowda and Ms.Vishwitha, VI semester students, presented a paper in the National Conference at Malnad College of Engineering on 2<sup>nd</sup> April 2017.
25. Mr.Adarsha A , Mr.Akshay S P ,Mr.Anantheshwara Bhat, VI semester students, presented a paper in the National Conference at Bahubali College of Engineering on 8<sup>th</sup> April 2017.