

## Vivekanand Education Society's Institute of Technology

### Instrumentation Department Activities during Even semester of 2017-18

#### Research Forum Seminar/Lecture

1. Lecture on “Challenges in new Product Development” by Asif Mulla, Director, Ideation Instruments, on 14<sup>th</sup> March 2018 from 11.25 am to 12.25 pm.
2. Lecture on “Tracking problem in non-minimum phase system” by Dr. M. D. Patil, Associate Professor, Instrumentation department, VESIT on 3<sup>rd</sup> October 2017, 12.45 pm to 1.45 pm.

#### Skill Enhancement Lectures (SEL)

1. “Antisurge control of compressor” by Mr. Rahul Bisht, on 11th October 2017 for final year students.
2. “Functional safety” by Mr. Venkatasubramanian S, Lead IPF reliability, reliance industries Ltd, Mumbai, on 11<sup>th</sup> October 2017 from 10.30 to 11.30.

#### Research Paper Published

| Sr. No. | Name of the Faculty | Title of the Paper  | Level         | Name of the Journal / Conference   | ISSN / ISBN            | Indexing                    | Page No. |
|---------|---------------------|---|---------------|--|------------------------|-----------------------------|----------|
| 1       | Mrs. Sangeetha Ram  | A Stochastic Convergence Analysis of Random Number Generators as applied to Error Propagation using Monte Carlo method and Unscented Transformation Technique | International | IEEE International Conference on Signal Processing, Informatics, Communication and Energy Systems (IEEE SPICES 2017) | ISBN-978-1-5386-3864-4 | 10.1109/SPICES.2017.8091351 |          |
| 2       | Mrs. Sangeetha Ram  | Analysis of characteristics of neutron shield materials and their effect in reducing the dose amount of different human                                       | International | IEEE International Conference on Innovation, Information in Computing Technologies                                   |                        | 22-23 February, 2018        | 14-19    |

|   |                      |  |               |  |                              |                  |           |
|---|----------------------|--|---------------|--|------------------------------|------------------|-----------|
|   |                      | tissues by simulation using Geant4   |               |  |                              |                  |           |
| 3 | Mrs.Kadambari Sharma | A Research Grade Computer Controlled Light Source  | International | IEEE International Conference on Smart City and Emerging Technologies, Mumbai            |                              | 5th January 2018 |           |
| 4 | Mrs. Nilima Warke    | High performance AC coupled Biomedical Signal Processing System using New Technique of Impedance Steering with synchronous sampling and A/D Conversion | International | IEEE International Conference on Electronics, Telecommunication and Aerospace Technology | ISBN: 978-1-5386-0965-1      | 29-31 Mar 2018   | 1090-1094 |
| 5 |                      | Low Level Signal Processing System for PCB Based Rogowski Coil   | International | International Journal of Computational and Intelligence Research                         | ISSN 0973-1873, Vol 14, NO.1 |                  | 65-69     |

**Workshop attended by Faculty in Even semester of AY (2017-2018)**

| <b>Faculty</b>      | <b>Date of Event</b> | <b>Title</b>  | <b>Duration</b> | <b>Organised/Developed by</b> | <b>Souvenirs &amp; Proceedings</b> |
|---------------------|----------------------|---|-----------------|-------------------------------|------------------------------------|
| Deepti Khimani      | 26/1/18 to 28/1/18   | Nonlinear Control and Applications                      | 3 days          | IIT Gandhinagar               | certificate                        |
| Kadambari Sharma    | 18/12/17 to 19/12/17 | Photonic Sensors: Fundamental to Applications           | 2 days          | BARC - ILA                    | certificate                        |
| Sangeetha Ram       | 18/6/18 to 29/6/18   | Probability and Statistics for Scientists and Engineers | 10 days         | Terna Engg College            | certificate                        |
| Amudha Senthilkumar | 18/6/18 to 29/6/18   | Probability and Statistics for Scientists and Engineers | 10 days         | Terna Engg College            | certificate                        |

**Workshop/ Spoken Tutorials conducted in even semester of 2017-2018**

| <b>Faculty</b> | <b>Date of event</b> | <b>Duration</b> | <b>Topic Details</b>                                | <b>Venue</b>                                     | <b>Contributing Agency</b> | <b>Co-ordinator</b>   |
|----------------|----------------------|-----------------|---|--|----------------------------|-----------------------|
| IIT-B Faculty  | 02/7/18 to 06/7/18   | 5 days          | AICTE-ISTE approved STTP on "Biology for Engineers" | Auditorium                                       | VESIT-INST dept            | Jayassre Ramakrishnan |
| IIT-B Faculty  | 02/7/18 to 06/7/18   | 5 days          | AICTE-ISTE approved STTP on "Biology for Engineers" | Auditorium                                       | VESIT-INST dept            | Madhumathi Kuspe      |
| Kanchan Chavan | 02/7/18 to 09/7/18   | 6 days – 40 hrs | LabVIEW Core1 and Core2 course                      | VESIT LabVIEW Academy (in collaboration with NI) | --                         | Kanchan Chavan        |

|               |                          |                    |                                      |  |    |                   |
|---------------|--------------------------|--------------------|--------------------------------------|--|----|-------------------|
| Sangeetha Ram | 02/7/18<br>to<br>09/7/18 | 6 days –<br>40 hrs | LabVIEW<br>Core1 and<br>Core2 course | VESIT<br>LabVIEW<br>Academy (in<br>collaboration<br>with NI) | -- | Kanchan<br>Chavan |
| Kader Shaikh  | 02/7/18<br>to<br>09/7/18 | 6 days –<br>40 hrs | LabVIEW<br>Core1 and<br>Core2 course | VESIT<br>LabVIEW<br>Academy (in<br>collaboration<br>with NI) | -- | Kanchan<br>Chavan |
| Nilima Warke  | 02/7/18<br>to<br>09/7/18 | 6 days –<br>40 hrs | LabVIEW<br>Core1 and<br>Core2 course | VESIT<br>LabVIEW<br>Academy (in<br>collaboration<br>with NI) | -- | Kanchan<br>Chavan |