



# *Fr. C. Rodrigues Institute of Technology*

**Department of Mechanical Engineering**

**Sector - 9A, Vashi, Navi Mumbai – 400 703, INDIA.**

**Telephone: 022-2777 1000, 2766 1924, 2766 0618. Fax: 2766 0619**

**Website: [www.fcrit.ac.in](http://www.fcrit.ac.in)**

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## **Brief Activity/Event Report**

1. Name of the Activity/Event : Lecture Series
2. Activity/Event Venue & Date : Class Room- Every Wednesday , 12 – 1 PM, FH2020
3. Nature of Participants :Semester – VI Students
4. Number of Participants : 74
5. No of lectures in a semester : 05
6. Staff Coordinator : Bipin Mashilkar
7. Brief Summary of the Activity/Event
  - a. Objectives :

To acquaint with current research in most focussed area.
  - b. Technical Description :

The lecture series covers lectures conducted by various faculty members and industry experts. The duration of the lecture is 1 hr, every Wednesday. The session covers the current trends in research and development. The lecture series topic includes “Report / paper writing”, “Introduction to CFD “, “CFD Analysis in Heat Transfer Enhancement”, “Design and Development of Latch Mechanism for RCCB Switch” etc. The lecture series gives students an insight to latest technological developments and helps students in finalising the final year project topics.
  - c. Outcomes
    - 1.Learner will be able to demonstrate the understanding of awareness of recent research and innovation.
    2. Learner will be able to develop the skills to finalize and work on the final year projects.
    3. Learner will be acquaint with current trends in engineering field.



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Activity / Event Photograph:



Prof. Shoumik Kulkarni Delivering Lecture on the Topic “Design and Development of Latch Mechanism for RCCB Switch”

Staff Coordinator/s

HOD



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## **Brief Activity/Event Report**

1. Name of the Activity/Event : Lecture Series
2. Activity/Event Venue & Date : Class Room- Every Wednesday , 12 – 1 PM, SH2019
3. Nature of Participants :Semester – V Students
4. Number of Participants : 74
5. No of lectures in a semester : 07
6. Staff Coordinator : Bipin Mashilkar
7. Brief Summary of the Activity/Event
  - a. Objectives :

To acquaint with current research in most focussed area.
  - b. Technical Description :

The lecture series covers lectures conducted by various faculty members and industry experts. The duration of the lecture is 1 hr, every Wednesday. The session covers the current trends in research and development. The lecture series topic includes “Introduction to MCDM Techniques”, “Solar Thermal Power Generation”, “Modal analysis”, Lever Mechanisms etc. The lecture series gives students an insight to latest technological developments and helps students in finalising the final year project topics.
  - c. Outcomes
    - 1.Learner will be able to demonstrate the understanding of awareness of recent research and innovation.
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Activity / Event Photograph:



Prof. Badal Kudchi Delivering lecture on the topic “Solar Thermal Power Generation”



Prof. Girish Dalvi Delivering lecture on the Topic “Modal analysis”



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## **Brief Activity/Event Report**

1. Name of the Activity/Event : Lecture Series
2. Activity/Event Venue & Date : Class Room- Every Wednesday , 12 – 1 PM, FH2019
3. Nature of Participants :Semester – VI Students
4. Number of Participants : 74
5. No of lectures in a semester : 08
6. Staff Coordinator : Bipin Mashilkar
7. Brief Summary of the Activity/Event
  - a. Objectives :

To acquaint with current research in most focussed area.
  - b. Technical Description :

The lecture series covers lectures conducted by various faculty members and industry experts. The duration of the lecture is 1 hr, every Wednesday. The session covers the current trends in research and development. The lecture series topic includes “MCDM in Green Manufacturing”, “Fundamental of Robotics”, “Structural Health monitoring”, “Application of Machine learning to plan maintenance “etc. The lecture series gives students an insight to latest technological developments and helps students in finalising the final year project topics.
  - c. Outcomes
    - 1.Learner will be able to demonstrate the understanding of awareness of recent research and innovation.
    2. Learner will be able to develop the skills to finalize and work on the final year projects.
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Activity / Event Photograph:



Prof. Prasad Bari Delivering lecture on the topic “MCDM in Green Manufacturing”



Prof. Suvarna Rode Delivering lecture on the topic “Structural Health monitoring”

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Fr. C. Rodrigues Institute of Technology, Vashi

Department of Mechanical Engineering

## Lecture Series

**2017-18**

<b>Activity/Event Venue &amp;Date</b>	<b>Nature of Participants</b>	<b>Technical Description</b>	<b>Expert Lecturer</b>
AX-109, 08-01-2018	Students of Sem VI	Using IOT for eliminating rail accident	Dr. Nitesh Yelve
AX-109, 30-01-2018	Students of Sem VI	Optimal placement of Piezo electric patches for active vibration control	Prof. Aqleem Siddiqui
AX-109, 06-02-2018	Students of Sem VI	Model Analysis	Prof. Girish Dalvi
AX-109, 20-02-2018	Students of Sem VI	FDM process optimisation	Mr. Vivek T.
AX-109, 27-02-2018	Students of Sem VI	Micro machining	Prof. Prasad Bari
AX-109, 06-03-2018	Students of Sem VI	Career guidance for competitive examination	Jubin P.
AX-109, 13-03-2018	Students of Sem VI	Internet of Things (IOT)	Shyam M.
		Gear Manufacturing	Sourabh and Akshay P.
		Automation	Atharv I.
Class Room- 309, 24-07-2017	Students of Sem V	Suppression of combustion instability	Dr.Nilaj Deshmukh
Class Room- 309, 31-07-2017	Students of Sem V	Vibration energy harvesting	Prof. Nitin Satpute
Class Room- 309, 07-08-2017	Students of Sem V	3D Printing	Parija W.
			Rakesh K.
			Erricsson C.
			Mohanish C.
Class Room- 309, 21-08-2017	Students of Sem V	Water wave propagation for crack detection	Sourabh S.
	Students of Sem V	Defprmtion simulation during additive manufacturing	Rakesh K.

Class Room-309, 04-09-2017		Gas turbine performance analysis using TURBOMATCH	Amaiya K.
		Elevator Design	Nathan D.
Class Room-309, 18-09-2017	Students of Sem V	Structural health monitoring	Prof. Shamim P.

### 2018-19

Activity/Event Venue & Date	Nature of Participants	Technical Description	Expert Lecturer
AX-109, 16-01-2019	Students of Sem VI	MCDM in Green Manufacturing	Prof. Prasad Bari
AX-109, 24-01-2019	Students of Sem VI	Fundamental of Robotics	Ms. Priya Kundu, AIT SPL, Vashi
AX-109, 30-01-2019	Students of Sem VI	Tool helps to manage literature survey	Dr. Nilaj Deshmukh
AX-109, 06-02-2019	Students of Sem VI	Structural health monitoring	Mrs. Suvarna Rode
AX-109, 13-02-2019	Students of Sem VI	Application of Machine Learning to plant maintenance	Prof. Shruti R
AX-109, 27-02-2019	Students of Sem VI	Real time damage detection system based on ultrasonic guided wave	Prof. Mandar K
AX-109, 06-03-2019	Students of Sem VI	Design and development of autonomous hexapod robot	Jovan C & Shubhankar D.
AX-109, 13-03-2019	Students of Sem VI	Workshop on Resume Building	Proventus Education.
AX-109, 11-07-2018	Students of Sem V	Vibration Energy Harvesting	Prof. Nitin Satpute
AX-109, 18-07-2018	Students of Sem V	Axial flow compressor design and CFD analysis	Prof. M. Afzal Alam Ansari
AX-109, 25-07-2018	Students of Sem V	CFD Analysis	Prof. Nilesh Varkute
AX-109, 01-08-2018	Students of Sem V	Quarter car model numerical simulation	Prof. Kamlesh S.
AX-109, 08-08-2018	Students of Sem V	Higher education abroad for engineering graduates	Speaker from T.I.M.E.
AX-109, 29-08-2018	Students of Sem V	Fault diagnosis in rotating machinery	Prof. Pallavi K.
AX-109, 05-09-2018	Students of Sem V	Current energy scenario and need for energy sources	Prof. Badal Kudachi
AX-109, 19-09-2018	Students of Sem V	Innovation and creativity	Dr. P P Deshpande
AX-109, 26-09-2018	Students of Sem V	Career guidance to study abroad	Speaker from Imerial