Contents:

A) Pedagogy Aspects (4 Hrs)

- What is a Virtual Lab
- Designing Pedagogy for creating an effective lab
- Story boarding for Simulations
- Activity

C) GitLab Training (4 Hrs)

- Git Install, Config.
- Git clone , add , commit , push
- Git Branching & Forking
- Activity

C) HTML5, CSS3 and javaScript (16 Hrs)

HTML 5 : Basic HTML Controls CSS3: Introduction to CSS3

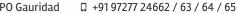
Java Scripting:

- Data Type , User Inputs and Outputs
- Math Functions , Decision Making
- Graphs, Sketching, Mouse Events
- Object Oreinted programming.
- Drag and Drop, Animation and Simulation. entire module to be in-synced with a live activity

D. Google Web Designer. (3 Hrs)

- ✓ Two assignments
- E. Developing the Labs (28 Hrs)
- **F.** Demo and Deploying the developed Labs (3 Hrs).





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First National Boot Camp

(5th to 9th Feb, 2018)

For

5 days STTP

(for Students and Faculties)

0n

Virtual Lab development



Organized by

Marwadi University

In Association with

IIT Bombay

Co-Sponsored By

GUJCSOT



5th to 9th Feb, 2018

Marwadi University , Rajkot-Morbi Highway Road, Gauridad, Rajkot, Gujarat 360003.

Registration Link:

bit.ly/VLABS-BootCamp

About Boot Camp: The NMEICT Virtual Labs project has at this time created ~117 labs covering concepts in various engineering and science curricula.

These can be accessed at http://vlabs.ac.in. However there remains a need for additional content to be created, primarily to fill gaps in syllabi, but also towards developing improved versions of content already hosted. Consequently, we encourage Lab Developers to come forward to develop such content. To facilitate creation of such content, we are conducting this Boot Camp. We expect that this will enable collaborative development of content, with Developers both seeking and sharing best technology and pedagogy practices.

Boot Camp in a way that there is no prior programming knowledge required.

Registration Fees:

For Outside MEFGI Participants: (Includes - Registration fees, Accommodation for 5 Days, Stationary Kit, Breakfast, Lunch, Snacks& Dinner)

For Faculty Participants: INR 3000

For Students: INR 2000

For In-house Candidates:

For Faculty Participants: INR 400

For Students: INR 200

Registration Deadline:

31stJan 2018 Post Deadline : Additional fees of INR 500

for all categories

Direct Registration Link : http://bit.ly/BootCamp-National-Registrations

Resource Persons:

Prof. Tanuja Khatavkar (Regional Coordinator, Vlabs, PVGCOET Pune)

Prof. Anita Diwakar (PhD Research Scholar .IIT Bombay)

Prof. Manish Nagoshe (Regional Technical Coordinator, Vlabs, PVGCOET Pune)

Mr. Pushpdeep Mishra (Project Manager, Virtual Labs IIT Bombay)

Mr. Jai Mathur (Technical Research Engineer, Virtual Labs, IIT Bombay)

Invited guests speakers:

Prof. Santosh Noronha (Principal Investigator, Virtual Labs IIT Bombay)

Prof. Nitin Bhate (Regional Coordinator Vlabs (Vadodara) MSU Baroda)

Prof. Abhilasha Mishra (Regional Coordinator Vlabs (Aurangabad), MIT Aurangabad)

Sanjeet Kumar (Project Manager, Virtual Labs, IIT Delhi)

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Mr. Naresh Jadeja (Registrar, MEFGI Rajkot)

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