Department of Electrical and Electronics Engineering
Christ University Faculty of Engineering
Kengeri Campus, Bengaluru

Report on Workshop

"Electrical Simulators and Apps Builder using Web Services"
In association with

IEEE PES Chapter & Gnanagenea Technologies

Prepared By:	Venkataswamy R, Assistant Professor, CUFE, Bengaluru.
Instructors	Venkataswamy R
Venue	Room#203, Groud floor, II Block, Faculty of Engineering, Bengaluru
Date of Workshop	2016-07-29
Agenda	• Overview of Online and offline Simulators and emulators. • Development of Electrical Simulator Framework and App Builder. • Android App with Software as a Service(SaaS).
Target Audience	• PG/UG Students.
No of student participated	42

Workshop Details

"Electrical Simulators and Apps Builder using Web Services" workshop was organized from the department of electrical and electronics engineering on July 29, 2016 In association with IEEE PES chapter and Gnanagenea Technologies. The agenda was to design and develop Online and offline Simulators and emulators using web services. The workshop started with the introductory

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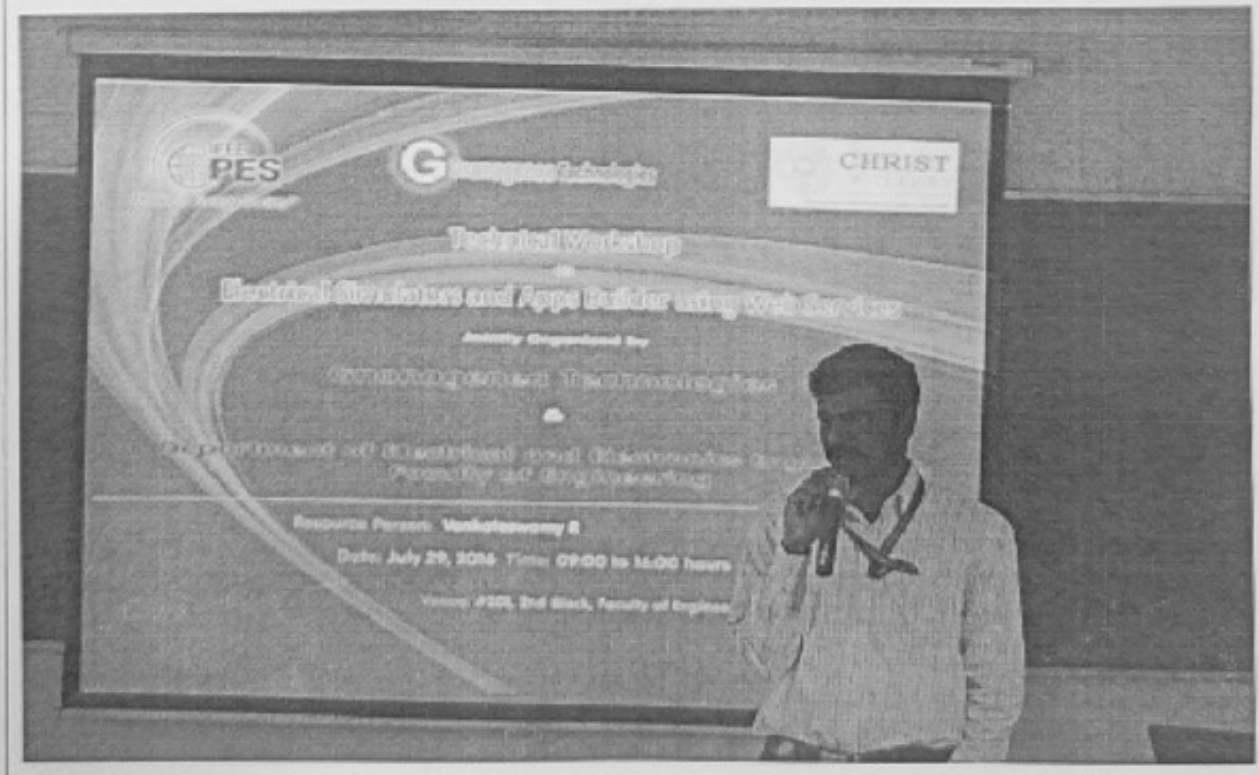CHRIST (Deemed to be University)
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session by Mr. Venkataswamy R and also statement of objectives. The detailed design and practical aspects while implementing the Electrical Simulator Framework and App Builde session was handled. Hands on session was conducted and applications were discussed with individual groups by given different electrical problem. The students are encouraged to apply these open source techniques in domain of their interest. The workshop importance was well appreciated and accepted by all the registrants.

Photos

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Time Schedule following and Topics covered:

No	Session	Topic	Time From
1	Session 1	Introduction to the Online and Offline Simulators	09:00
2	Session 2	Introduction to the Cloud Computing. (PaaS and SaaS)	09:30
3	Session 3	Showcase of Sample Electrical SaaS.	10:00
4	Session 4	Introduction to Web services (REST) and Demonstration.	10:20
-	Tea Break	--	11:00
5	Session 5	Solving Electrical problem using RESTfull Web services.	11:15
6	Session 6	Electrical apps and its deployment.	11:55
-	Lunch Break	--	13:00
7	Session 7	User service check in as a library of an open system	14:00
8	Session 8	Android application implementation for Services and Apps.	15:00

Feedbacks:

Some feedback of Workshops are,

Positives: Understood application of web services in electrical domain.

Negative: Software installation issues and Programming basics required to undergo the workshop.

End of Report

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