

THIAGARAJAR COLLEGE OF ENGINEERING, MADURAI – 15

(A Govt. Aided ISO 9001 – 2008 Certified, Autonomous Institution Affiliated to Anna University)

REPORT

ONE DAY STUDENT WORKSHOP

1	Workshop On	"Web Service Standards and REST APIs"
2	Subject Name	One Day student Workshop on Webservices
3	No. of Students Participated	112
4	Name & Organization of the Resource Person	Mr. Aswin Vairavan, Founder and CEO, Deducely Ltd, Madurai.
5	Date and Duration of the Programme	22.09.17 & 1 - Day Programme.
6	Objective of the Course	This Course will provide an insight about Web Services and REST APIs. After Completion of the course individual can able develop write a simple web service and convert it into a back-end restful service.
7	Contents covered for FN Session	Deconstructing the web, HTML, Source code of Web, Tools to Analyze HTTP Requests, Source Control GIT.
8	Contents covered for AN Session	<p>Web servers</p> <ul style="list-style-type: none"> • Focus on Apache and nginx • File Servers • Time Servers • DB Servers • Introduction to NodeJS • Understanding async nature of nodejs • Simple app in nodejs. <p>Protection and Security</p> <p>XSS, CSRF, SQL injection, Url manipulation, Fake request, session Hijacking, remote system execution, cookie visibility, File Upload abuse, DOS.</p>
9	Outcomes of the Course	<p>Students able to,</p> <ul style="list-style-type: none"> • Understand the web and its components –server, clients (A human and Machine perspective). • Understand what happens in the backend of an application. • Understand the MVC framework • Write a simple server in NodeJS • Evaluation of a language / DB and choosing what is best for the application. • Write a Simple Web Service and Convert back-end into a restful service.
10	Expenses	NIL

Signature of the Coordinator

(C. Santhiya)

Head, Dept. of IT