

Annexure

Next Generation IT Essentials Course Layout

Duration: 1.5-hour lecture per week

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<https://web2geeks.in>

Week	Topic	Lecture/ Lab
1	Quick Recap to HTML, Need for HTML & CSS, JS	Lecture + Lab
2	Recap to PHP & Designing DB-connected login form	Lecture + Lab
3	Introduction to Server, DNS, Namespace, Web hosting and space, Cloud database etc	Lecture + Lab
4	Introduction to Web API and Containerization	Lecture + Lab
5	Containerization using Linux LXC, Amazon EC2 etc.	Lecture + Lab
6	Hosting website using Google sites	Lecture + Lab
7	Hosting website using Github pages, Introduction to Heuroko	Lecture + Lab
8	Hosting Login form on Webspaces on Hostinger/MilesWeb	Lecture + Lab
9	Design API for ML model using Python (Flask)	Lecture + Lab
10, 11	Host ML model using Web API	Lecture + Lab
12	Designing a ChatBot using Google's Dialog API	Lecture + Lab
13	Learn about Amazon AWS Sagemaker, Ngrok and Google Geocoding	Lecture + Lab

Table 1: Next Generation IT Essentials week-wise course layout.