

**Syllabus for Digital Fluency**

Course Title: <b>Digital Fluency</b>	Course Credits: 2
Total Contact Hours: 15 hours of theory and 30 hours of practicals	Duration of ESA:
Formative Assessment Marks: 20 marks	Summative Assessment Marks: 30 marks

**Course Content: In concurrence with Digital 101 on Nasscom 101 environment**

Sl.no	Content	Details of topic	Duration
1.	<b>Registration</b>	Future Skills Course Registration Process	
2.	<b>Module 1: Emerging Technologies</b>	Overview of Emerging Technologies: i. Artificial Intelligence, Machine Learning, Deep Learning, ii. Database Management for Data Science, Big Data Analytics, iii. Internet of Things (IoT) and Industrial Internet of Things (IIoT) iv. Cloud computing and its service models v. Cyber Security and Types of cyber attack	05 Theory hours and 10 practical hours
3.	<b>Module 2: Applications of Emerging Technologies</b>	Applications of emerging technologies: i. Artificial Intelligence ii. Big Data Analytics iii. Internet of Things iv. Cloud Computing v. Cyber Security	05 Theory hours and 10 practical hours
4.	<b>Module 3: Building Essential Skills Beyond Technology</b>	Importance of the following: i. Effective Communication Skills ii. Creative Problem Solving & Critical Thinking iii. Collaboration and Teamwork Skills iv. Innovation & Design Thinking v. Use of tools in enhancing skills	05 Theory hours and 10 practical hours

**References to learning resources:**

The learning resources made available for the course titled "Digital 101" on Future Skills Prime Platform of NASSCOM.