

**HONOURS CERTIFICATE PROGRAMME PROPOSAL
AY 2021-2022**

Activities:

1. Internet of Things
2. MS Excel Essentials

General Information of the Activity	
1.	Department and Hub Physical Sciences
2.	Title of the Activity Activity: Internet of Things
3.	Name of the Professor taking the course Prof Vimala Rani
4.	Name/s of the Resource person/s
5.	Name of the Dept Coordinator and Email address subhash.kumar@xaviers.edu
6.	Name of the Hub Coordinator and Email address abhilasha.jain@xaviers.edu
7.	Number of credits for the activity and number of hours 2
8.	Fees 1500
9.	Eligibility SYBSc, SYIT, FYIT
10.	Number of students 30
11.	Duration and Time Starts from Oct 2021

Details of the Activity	
1	Title: Internet of Things: Understanding and Designing IoT Systems
2	<p>Learning Objectives:</p> <p>The aim of this course is to understand what is Internet of Things (IoT). IoT is used very much in current era. Understanding its architecture and its application along with web of things will be the aim of this course.</p>
3	<p>Learning Outcomes:</p> <p>Students will be aware of IoT and they can go further to make application or use application involving IoT</p>
4	<p>Description</p> <p>Wireless technologies for the IoT , Technology and business drivers IoT and its importance, Web of Things versus Internet of Things</p>
5	<p>Modules if any</p> <p>Introduction to IoT Connectivity and networks Analytics and applications and Web of Things</p>

**HONOURS CERTIFICATE PROGRAMME PROPOSAL
AY 2021-2022**

General Information of the Activity		
1.	Department and Hub	Physical Sciences
2.	Title of the Activity	Activity: MS Excel Essentials
3.	Name of the Professor taking the course	
4.	Name/s of the Resource person/s	Ashish Deora (Product Manager)
5.	Name of the Dept Coordinator and Email address	subhash.kumar@xaviers.edu
6.	Name of the Hub Coordinator and Email address	abhilasha.jain@xaviers.edu
7.	Number of credits for the activity and number of hours	2
8.	Fees	1500
9.	Eligibility	FY, SY any stream
10.	Number of students	30
11.	Duration and Time	Only Saturdays starts from dec 2021

Details of the Activity	
1	Title: MS Excel Essentials
2	<p>Learning Objectives:</p> <p>To understand the use of excel in office and in industry. The various tools of excel will be taught.</p>
3	<p>Learning Outcomes:</p> <p>Students will become well versed with the use of excel to do many task easily and efficiently.</p>
4	<p>Description</p> <p>Starting from elementary techniques, the program scales to data analysis, visualization, and automation of day-to-day tasks; thus, opening the endless possibilities in MS Excel. MS Excel knowledge is very much required in industry.</p>
5	<p>Modules if any</p> <p>Basic Excel</p> <p>Advanced Excel</p>



ST. XAVIER'S COLLEGE - AUTONOMOUS, MUMBAI
Department of Information Technology
Honours Certificate Course (2021-2022)

Activity 1

Internet of Things: Understanding and Designing IoT Systems

Objective: The aim of this course is to understand what is Internet of Things (IoT). IoT is used very much in current era. Understanding its architecture and its application along with web of things will be the aim of this course. This course is open for SYBSc, SYIT, FYIT Students.

Class: SYBSc, SYIT, FYIT

No of Students: 30

Credits: 2

Course Fees: Rs 1500 /-

Methodology: Teaching and Assignment

Starts from: October 2021

Course Conducted By:

Prof. Vimala Rani

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Activity 2

MS Excel Essentials

Objective: Starting from elementary techniques, the program scales to data analysis, visualization, and automation of day-to-day tasks; thus, opening the endless possibilities in MS Excel. MS Excel knowledge is very much required in industry.

Class: FY, SY any stream

No of Students: 30

Credits: 2

Course Fees: Rs 1500 /-

Methodology: Teaching and Assignment

Starts from: December 2021(Only Saturdays)

Course Conducted By:

Ashish Deora (Product Manager)