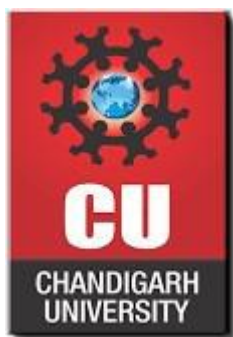# Department of Computer Science & Engineering

LAB FILE

SUBJECT: Internet of Things Lab
(21CSP-344)

B.E. III Year – V Semester
(CSE/IT)

Submitted By   **Submitted To**

Rohan Jaiswal   Er. Kussum

21BCS2856

NAME: Rohan Jaiswal   **UID: 21BCS2856**

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Exp. No	Experiments	Conduct (12)	Viva (10)	Record (8)	Total (30)	Signature
1.	To Assemble Arduino Uno with the system and perform necessary software installation.					
2.	Selection of different IoT sensors in different sectors.					
3.	Design LCD interfacing on WOKWI Simulation Platform.					
4.	Develop a smart traffic light management system with the help of IoT.					
5.	Formulate distance of an object using an ultrasonic sensor.					
6.	To investigate real-time relationship between humidity and temperature in IoT.					
7.	Assemble and controlling of multiple actuators using Arduino Uno for any IoT Application.					
8.	To design a weather station by checking Air quality of an environment with the help of IoT.					
9.	Case study of Agriculture 4.0 using IoT and to develop an IoT model for the agriculture sector.					
10.	To create a smart home project, using App based control system.					