	S J P N Trust's	E&CE Dept.
	Hirasugar Institute of Technology, Nidasoshi	Activity Report
	Inculcating Values, Promoting Prosperity	
	Approved by AICTE, New Delhi, Permanently Affiliated to VTU, Belagavi	Workshop
	Recognized Under 2(f) & 12B of UGC Act, 1956.	
	Accredited at 'A' Grade by NAAC	2023-24(Odd)
	Programmes Accredited by NBA: CSE & ECE	

ACTIVITY REPORT

Date of Activity held and Time:	29-02-2024 to 02-03-2024 10am to 5pm
Name of Activity:	Workshop on "IOT Using Raspberry Pi"
Type of Activity: (cultural/curricular/co-curricular)	Co-curricular
Resource Person/Invitee:	Mr. Rohit Kadam, MD Robosap Innovations Pvt. Ltd., Nipani Miss Nishigandha S. Kadam, R&D Robosap Innovations Pvt. Ltd., Nipani Prof. S. S. Patil, Assistant Professor, ECE Dept., HIT,Nidasoshi
Year / Class:	5th semester students
No. of students:	67
No. of Staff:	10
Activity In charge:	Prof. D. M. Kumbhar Prof. S. S. Patil Prof. D. B. Madihalli

Description of Activity: A Workshop on "IOT Using Raspberry" was arranged by ECE Department for 5th semester students on 29-02-2024 to 02-03-2024 which was conducted by Mr. Rohit Kadam, MD, Robosap Innovations Pvt. Ltd., Nipani.

The Internet of Things (IoT) basically refers to all the "things" that are connected to the Internet. These devices and sensors use internet connectivity to collect and transmit data over a network – all without any human intervention. Whether you realize it or not, you're bound to be using IoT technology in your everyday life if you own any smart devices, such as a smart watch, smart TV, smart appliances or smart speakers. Raspberry Pi is a small, capable device that enables people of all ages to scan a computer and learn to edit in languages such as Scratch and Python. It can do everything you would expect a desktop computer to do, from browsing online and playing high-definition video, creating spreadsheets, word processing, and playing games. It has the ability to interact with the outside world and has been used in many digital maker projects, from music machines and parental finders to weather stations and tweeting birdhouses with infra-red cameras.

Objectives	RBT level	PO	PSO
The main objective is to have devices that self report in real time, improving efficiency and bringing important information to the surface more quickly than a system depending on human intervention & to gain a better understanding of the product development life cycle and integrated product development.	L3	1,2,3,4,5,7,9,10,11,12	1,2

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Inaugural Function
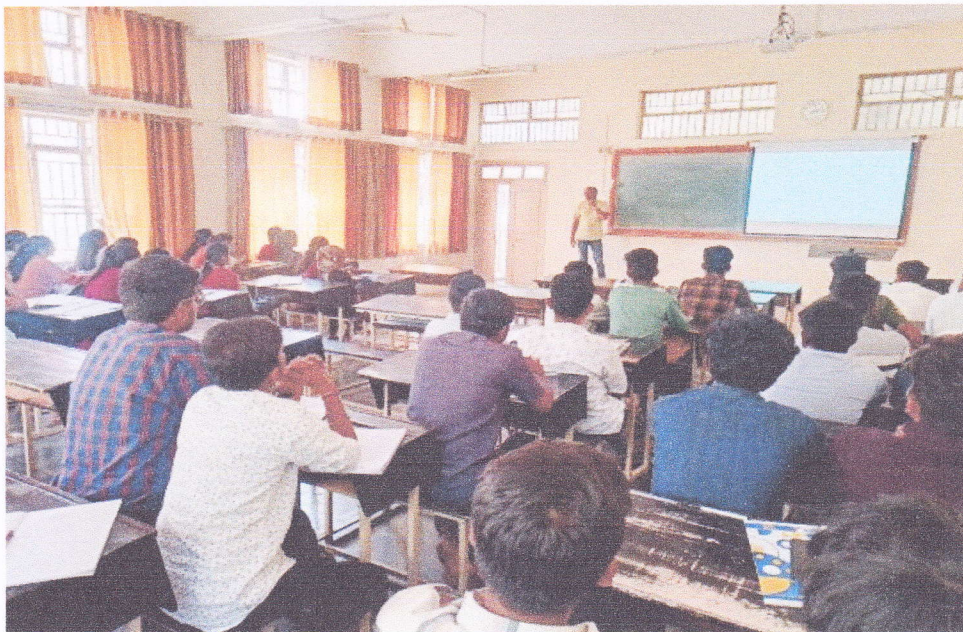
Prof. S. S. Patil delivering the Python Basics

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Resource Person handling the theory session

Resource Person handling the practical session

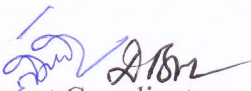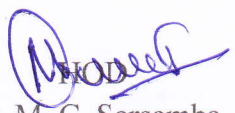|	S J P N Trust's	E&CE Dept.
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Resource Person handling the practical session

Event Coordinators
Prof. S. S. Patil
Prof. D. B. Madihalli

ECSA Coordinator
Prof. D. M. Kumbhar

HOD
Dr. M. C. Sarsamba

Electronics & Communication Engg.
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