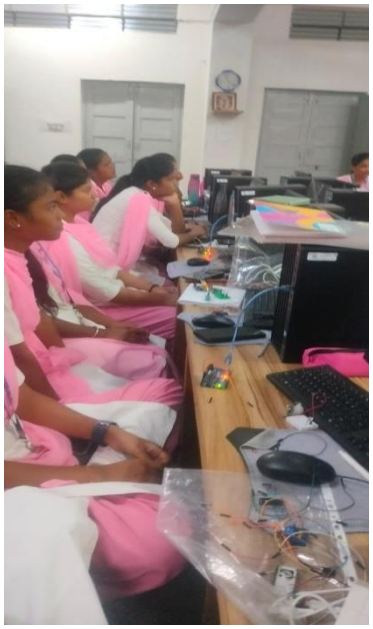
"An Initiative under IQAC"

Faculty of Engineering and Technology (Exclusively for Women)

Department of Electronics & Communication Engineering

Title of the Event	Robotics & IoT Training Program – 3-Day Hands-on Workshop
Date of Activity held	11/05/2026 to 13/05/2026
Time of Activity	9.00am to 5pm
Type of Activity (Cultural/ Co curricular/Curricular)	Co-curricular Activity
Resource Person	**Mr. Rakesh Marturkar**
Professional details of Resource Person	**CEO-GN JERBI Foundation, NIDHI DST ITBI Centre GNDEC, Bidar**
Program/Course/ Class	B.Tech./ECE/ 4th Semester
Number of Students attended	115
Activity Incharge	Dr. Basanti Ghanti, Prof. Laxmi Patil and Prof. Shobhana
Objective of the activity	To provide hands-on knowledge and practical exposure to Robotics and IoT technologies among students.
Description of Activity	A 3-day Robotics & IoT Training Program was organized by the Sharnbasva University Business Incubation Center in association with Guru Nanak Jhira Entrepreneurship Research & Business Incubation Foundation on the occasion of National Technology Day. The workshop was conducted for second-year E&CE students with the objective of providing practical knowledge in Robotics and IoT technologies. The training covered Arduino programming, sensor interfacing, NodeMCU (ESP8266), IoT fundamentals, cloud connectivity, Blynk platform setup, and advanced IoT application development. Students actively participated in hands-on sessions involving LDR, DHT11, rain sensors, IR sensors, servo motors, and mini IoT-based projects. The activity helped students improve their technical skills, innovation mindset, teamwork, and problem-solving abilities through real-time practical learning and project demonstrations.
Course Outcome	Understand the fundamentals of Robotics and Internet of Things (IoT) and develop basic practical skills using Arduino and NodeMCU.
Outcome of the Activity	Students gained practical knowledge of Robotics and IoT technologies through hands-on training and real-time project development. The activity improved their technical, programming, and problem-solving skills while encouraging innovation

	and teamwork.
Activity Photographs	   

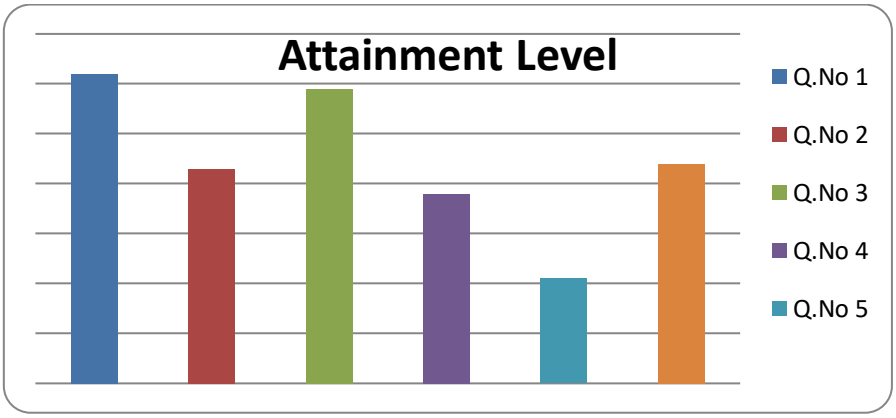
CO's, PO's and PSO's Correlation

CO's No.	CO Defined	Relevance to PO's and PSO'S
CO	Understand the fundamentals of Robotics and Internet of Things (IoT) and develop basic practical skills using Arduino and NodeMCU.	PO1, PO2, PO5, PO9 and PSO1, PSO2

Title of the Event: Robotics & IoT Training Program – 3-Day Hands-on Workshop**.**

Number of Students: 74

Q.No.	**Strongly Agree (3)**		**Moderately Agree (2)**		**Agree(1)**		**Total Score**	**% Attainment = (Total score/ Total no. of Students attended)**	**Average percentage Attainment**	**Attainment levels**	**Mapped POs**	**Mapped PSOs**
1.	61	183	13	26	0	0	209	2.82	88	Medium = 2	1,2,5 and 9	1 and 2
2.	47	141	27	54	0	0	195	2.63				
3.	59	177	15	30	0	0	207	2.79				
4.	44	132	29	58	1	1	191	2.58				
5.	32	96	41	82	1	1	179	2.41				
Average								2.64				



Impact Analysis: From the above table, Robotics & IoT Training Program moderately attained to level 2. Against mapped PO1, PO2, PO5 and PO9. Note: High=3, Moderate=2 and Low=1

Coordinator **Chairperson** **Dean**