

**Telangana Tribal Welfare Residential Degree College (G) Khammam**

**Career Guidance Cell**

**A Report of Workshop on Robotics by**

**SOHAM ACADEMY OF HUMAN EXCELLENCE**

**A One Day Workshop was conducted in Telangana Tribal Welfare Residential Degree College (G) Khammam on 30-07-2025 Conducted by Carrer Guidance cell under the ageis of IQAC, in collaboration with Department of Computer science & Physics.**

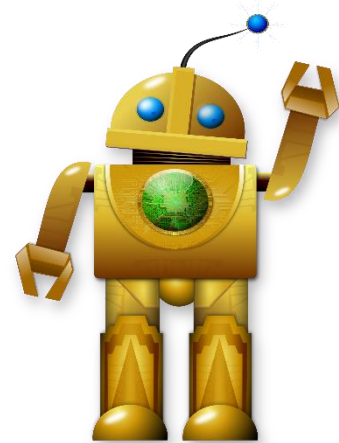
**Resource Persons :**

Vyshnavi

Pavani

**Participants :**

54 Students of Computer Science Department



**About SOHAM :**

Soham Academy of Human Excellence is an organization that works with children of several schools in preparing them for a purposeful life. The academy imparts training specially to high school children of government and budget aided schools.



TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE (G)  
KHAMMAM

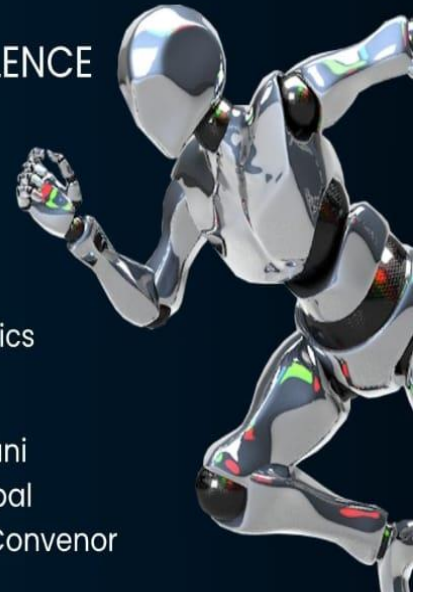


One Day Hands- on Workshop on ROBOTICS  
by  
SOHAM ACADEMY OF HUMAN EXCELLENCE  
On 30.07.2025



Organized by Career Guidance Cell  
Under the aegis of IQAC,  
in collaboration with  
Department Of Computer Science & Physics

K.Rajani  
Principal  
Programm Convenor



### Objective of the Workshop

- To provide deep insight into Robotics building blocks.
- To develop Robot assembly & testing skills
- To explore the available sensors for Robotics
- To bridge the gap by providing an opportunity to the participants, so that they can write robotics programs to interface different types of input/output devices with the Microcontroller to do different projects.
- To work and understand the robot configuration and subsystems.

## Inaugural Session:

The event was formally inaugurated by lighting the lamp in the presence of Principal K.Rajani, Vice Principal M. Navya, IQAC Co Ordinator K.P.Aishwarya, CGC Co Ordinator A.Deepthi, Resource Persons Vyshnavi & Pavani ,the program is attended by HOD's and staff of all Departments, students, CGC Co Ordinator welcomed the gathering. The inaugural speech was given by the Principal K.Rajani stating the need of students learning Robotics and encouraged the students to become the members SOHAM. She also encouraged the students to participate in various workshops, conferences, competitions organized by SOHAM.

Vice Principal of our college motivated the students to utilize the opportunity of this workshop and gain the knowledge on Robotics and encouraged students to do more projects on Robotics. IQAC Co Ordinator suggested the students to be attentive in the session as it is a Hands on workshop knowledge from here should be retained. CGC Co Ordinator informed the students to utilise this opportunity and make the best use of the session.

Later the session was forwarded by SOHAM Resource persons Vyshnavi and Pavani.





Lightening of Lamp



### Process Explanation



### Hands on Experience

## Workshop Outcomes:

- Introduction to Robotics & Robotics Systems.
- Understand about various types of sensory devices their working and applications
- Understanding more about microcontrollers.
- Understanding microcontrollers are involved in Robotics.



## Valedictory Session

### Valedictory Session:

Students feedback was taken and certificate distribution was done.

# నమస్తే తెలంగాణ

## గిరిజన సంక్షేమ కళాశాలలో వర్క్‌షిప్

కొణిజర్ల, జూలై 30: స్థానిక గిరిజన సంక్షేమ మహిళా డిగ్రీ కళాశాలలో ఐక్యూఎస్ అండ్ సీజీసీ కోఆర్డినేటర్ ఆధ్వర్యంలో కంప్యూటర్ సైన్స్ అండ్ ఫిజిక్స్ విభాగం ఆధ్వర్యంలో 'ఆన్‌డేస్- ఆన్ వర్క్‌షిప్ ఆన్ రోబోటిక్స్' అనే అంశంపై ప్రత్యేక కార్యక్రమాన్ని నిర్వహించారు. రిసోర్స్‌పర్సన్‌గా వైష్ణవి హాజరై విద్యార్థినులకు రోబోటిక్స్ వల్ల కలిగే ప్రయోజనాలను వివరించారు. ప్రిన్సిపాల్ కే.రజిని, వైస్ ప్రిన్సిపాల్ ఎం.నవ్య, ఐక్యూఎస్ కోఆర్డినేటర్ కే.పీ.ఐశ్వర్య, సీజీసీ కోఆర్డినేటర్ దీపి పాల్గొన్నారు.