



Koneru Lakshmaiah Education Foundation

(Category -1, Deemed to be University estd. u/s. 3 of the UGC Act, 1956)

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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

DATE: 28-09-23

TIME: 5.30PM to 7.10PM

Venue: R604

Name of the Faculty Coordinator: Dr. S. Rooban

Name of the Event: **Workshop on Ubuntu for ROS**

Event Category (ESO/TEC/CLH,IIE,HWB): TEC

List of student event Organizers:

2200040173 P Manjunaath
2200040238 D Bhanu Prakash Reddy
2200031194 Sandeep
2100040354 ANISH PRAMOD SOLLETI
2100040067 RASAMALA HANISH

Event Report: Workshop on Ubuntu for ROS

Objective

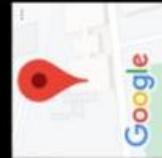
The workshop titled "Ubuntu for ROS" was organized with the primary objective of equipping students with the necessary skills to set up and use Ubuntu as the primary operating system for ROS (Robot Operating System) applications. Ubuntu, being the recommended OS for ROS, was the focal point of this hands-on workshop.

Key Highlights:

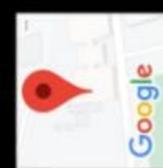
Brief history and significance of Ubuntu in the Linux ecosystem. Explanation of why Ubuntu is the preferred platform for ROS. Step-by-step guidance on installing Ubuntu. Configuration for optimal performance and security. Installing ROS on Ubuntu: Differentiating between various ROS distributions and their compatibility with Ubuntu versions. Basic ROS commands and file structure in the Ubuntu environment. Participants set up a basic ROS node and initiated communication between nodes. Utilized tools like Rviz and Rqt in the Ubuntu environment. Addressed common problems faced during installation and usage. Best practices for maintaining a clean and efficient ROS workspace on Ubuntu. Shared online repositories, forums, and tutorials to assist participants in their ROS journey on Ubuntu.



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Vaddeswaram, Andhra
Pradesh 522303, India
28 Sep 2023 06:25 pm



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Vaddeswaram, Andhra
Pradesh 522303, India
28 Sep 2023 06:25 pm



List of students who Participated.

S.No	Register No	Name	Dept
1	2200040129	D.Likhitha	ECE

2	2200040130	D.Loithitha	ECE
3	2200040180	B.Pramuna	ECE
4	2200040225	K.Sumasri	ECE
5	2200040560	CH.Girisha	ECE
6	2200040032	Deepthi.M	ECE
7	2200040091	Sahithi.K	ECE
8	2200040126	Manasa.P	ECE
9	2200040132	Sowmya.K	ECE
10	2200040146	K.Vinay	ECE
11	2200040148	A.Abhishek	ECE
12	2200040156	V.Meghana	ECE
13	2200040112	G.Surendra	ECE
14	2200040139	P.Hanok	ECE
15	2200040017	K.Manoj	ECE
16	2200040133	J.Tarun	ECE
17	2200040140	Hari	ECE
18	2200040179	Krishan Kumar	ECE
19	2200030994	K.N.L.S.Dheemanth	ECE
20	2200030994	Shiva Chawdary	CSE
21	2300040137	G.Hari Sanjay Kumar	ECE
22	2200032141	G.Sasidhar	CSE
23	2200081851	N.V.Sai Krishna	AI&DS
24	2200032152	N.Siddarth	CSE
25	2200049143	K.Ranga Nitheesh	ECE
26	2200040173	P Manjunaath	ECE
27	2200040238	D Bhanu Prakash Reddy	ECE
28	2200031194	Sandeep	CSE

Outcome

The event served as their first hands-on introduction to Ubuntu. Through demonstrations and discussions, they gained initial skills to begin their journey with ubuntu robotic application development.

Faculty Incharge
Dr. S. Rooban

HoD
Dr. M. Suman