



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: 21-09-23

TIME: 5.30PM to 7.10PM

Venue: R604

Name of the Faculty Coordinator: Dr. S. Rooban

Name of the Event: **First step to 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

Objectives of the Event:

- Provide participants with a foundational understanding of ROS concepts, architecture, nodes, topics, messages, and services.
- Guide participants through the process of installing ROS on their computers and setting up a basic ROS workspace.
- Teach participants the basics of ROS programming using Python.

Event Report: Talk on "First Step on ROS"

The event titled "First Step on ROS" aimed at introducing the Robot Operating System (ROS) to beginners, enthusiasts, and professionals interested in venturing into robotics and its applications. The speaker, an expert in the field, presented a comprehensive breakdown of ROS for newcomers.

Key Highlights:

ROS Overview:

A brief explanation of what ROS is and how it's not an operating system in the conventional sense, but a middleware for robotic software development.

Significance of ROS:

A discussion on how ROS plays a pivotal role in modern robotic application development due to its tools, libraries, and conventions.

Basic Concepts Introduced:

Nodes: Described as the primary computation units in ROS.

Topics: Highlighted the publish/subscribe model.

Messages: The data structures used in the communication between nodes.

Services: How nodes can communicate bidirectionally.







List of students who Participated.

S.No	Register No	Name	Dept
1	2200031193	Y.Akash	CSE
2	2200030994	K.Shiva	CSE
3	2200049029	A.Bhanu Teja	ECE
4	2200049005	B.Karthik Chandra	ECE
5	2100040372	R.V.S.Sandeep	ECE
6	2100040386	G.Balaji	ECE
7	2100040370	L.Vamsi	ECE
8	2200049033	B.Venkata Manideep	ECE
9	2200049008	M.Hari Narayana Reddy	ECE
10	2200049154	T.Seshi Reddy	ECE
11	2200049173	V.Kumar Koushik	ECE
12	2200049172	P.Sharath Kumar	ECE
13	2200040115	G.Keerthan Sai	ECE
14	2200031216	K.B.S.Veerababu	CSE
15	2200031202	V.Vamsi	CSE
16	2200040139	K.Manoj Kumar	ECE
17	2200040017	Y.Tarun Kumar	ECE
18	2200040025	E.Narendra Reddy	ECE
19	2200040024	K.Punith Kumar	ECE
20	2200040265	M.Keva;	ECE
21	2200040039	SK.Abdul Rasth	ECE
22	2200060007	S.Janathan	ECE

23	2200040149	T.Abhiram	ECE
24	2200040148	A.Abhishek	ECE
25	2200040112	P.Hanok	ECE
26	2200040142	G.Surrendra Reddy	ECE
27	2200040146	K.Vinay	ECE
28	2200040118	CH.Lavan Sirdhardha	ECE
29	2200049090	T.Yogiswara Aravind	ECE
30	2100040072	K.Shyamprasad	ECE
31	2100040102	N.Sathwika	ECE
32	2100040085	S.Nikitha	ECE
33	2100040086	P.Ashwitha	ECE
34	2200040032	Deepthi.M	ECE
35	2200031157	Harshitha Sogana	CSE
36	2100040351	V.Dona Rashmitha	ECE
37	2100040075	D.Sai Manohar Reddy	ECE
38	2100040106	Srinivas Reddy	ECE
39	2100040275	Chandu Naidu	ECE
40	2100040356	Phani	ECE
41	2100040070	T.Gokul	ECE
42	2100040067	R.Harish	ECE
43	2100040178	S.Bharadwas	ECE
44	2100040354	Anish	ECE
45	2200040173	P Manjunaath	ECE
46	2200040238	D Bhanu Prakash Reddy	ECE
47	2200031194	Sandeep	CSE

Outcome

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

Faculty Incharge
Dr. S. Rooban

HoD
Dr. M. Suman