



DR. V.R.K WOMEN'S COLLEGE OF ENGINEERING AND TECHNOLOGY

Approved by AICTE & Premitted by Government of Telangana State

Affiliated to Jawaharlal Nehru Technological University Hyderabad

Aziznagar (V), Moinabad (M), R.R. Dist. 500 075 - T.S.

Contact No. 7893044962 / 08413235962

Website : www.drvrkwomenscollege.com

10-12-2021

From,

Head of the Department,
Department of Electronics and Communication Engineering,
Dr VRK Women's College of Engineering and Technology,
Hyderabad – 500 075.

To,
The Principal,
Dr VRK Women's College of Engineering and Technology,
Hyderabad – 500 075.

Subject: - Requesting permission to conduct Hands on Training in Robotics -Reg.

Respected Sir,

The Department of Electronics and Communication Engineering is proposed to conduct "Hands on Training in Robotics" for the Faculty of Electronics and Communication Engineering from 13-12-2021 to 17-12-2021. We request you to permit us to conduct this program.

Topic	From Date	To Date	Time	Duration	Resource Person
Hands on Training in Robotics	13-12-2021	17-12-2021	9.00 a.m. to 1.00 p.m.	20 hours	Dr. C. Senthil Singh

Yours Faithfully,

HOD
Department of ECE

HEAD OF THE DEPARTMENT
ELECTRONICS & COMMUNICATION & ENGINEERING
DR. VRK WOMEN'S COLLEGE OF
ENGINEERING & TECHNOLOGY





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Contact No. 7893044962 / 08413235962
Website : www.drvrkwomenscollege.com

11-12-2021

To,
Head of the Department,
Electronics and Communication Engineering Dept.
Dr VRK Women's College of Engineering and Technology,
Hyderabad -500075.

Subject: Granting permission to conduct **Hands on Training in Robotics** - Reg.

Dear Sir / Madam,

We are happy to give approval for "**Hands on Training in Robotics**" for Electronics and Communication Engineering Dept. Faculty from 13-12-2021 to 17-12-2021.

Best wishes to complete the program in successful manner.

DR. V.R.K WOMEN'S COLLEGE
OF ENGINEERING AND TECHNOLOGY

Principal

PRINCIPAL

Dr. VRK Womens College of Engg. & Tech.
Aziz Nagar, Moinabad, R.R. Dist.



DR. V.R.K WOMEN'S COLLEGE OF ENGINEERING AND TECHNOLOGY

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Website : www.drvrkwomenscollege.com

DEPARTMENT OF ELECTRONICS AND COMMUNICATION

ENGINEERING

Hands on Training in Robotics

(13-12-2021 to 17-12-2021)

Session 1: 09.00 am to 11.00 am

Session 2: 12.00 pm to 1.00 pm

Topic Covered Report			
S. No.	TOPIC NAME	Date and Session	Number of Faculty Present
1	Introduction to Robotics	13.12.2021 (Session 1)	5
2	Robotics Basic	13.12.2021 (Session 2)	5
3	Robotics Drive System and End Effectors	14.12.2021 (Session 1)	5
4	Robot Elements	14.12.2021 (Session 2)	5
5	Robot Kinematics and Control	15.12.2021 (Session 1)	5
6	Robot Sensors	15.12.2021 (Session 2)	5
7	Tele-robotics and Virtual Reality	16.12.2021 (Session 1)	5
8	De-mining Robot: Refine De-mining Operations	16.12.2021 (Session 2)	5
9	Programming and Applications of Robot	17.12.2021 (Session 1)	4
10	Robot applications	17.12.2021 (Session 2)	5

PROGRAM COORDINATOR



HOD
HEAD OF THE DEPARTMENT
ELECTRONICS & COMMUNICATION & ENGINEERING
DR. VRK WOMEN'S COLLEGE OF
ENGINEERING & TECHNOLOGY



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Contact No. 7893044962 / 08413235962
Website : www.drvrkwomenscollege.com

Department of Electronics and Communication Engineering

Hands on Training in Robotics

Faculty Registration List

S. NO	NAME OF THE FACULTY	DESIGNATION	SIGNATURE
1.	Dr. Ravinder Korani	Professor	
2.	Dr. C. Senthil Singh	Professor	
3.	Dr. Guguloth Ravi Kumar	Professor	
4.	Dr. Dr Jawaharin Basha	Professor	
5.	Mrs. Shaheena Kamrani	Associate Professor	

Program Coordinator

Dr. Ravinder Korani



HOD

Dr Shaik Saidulu

HEAD OF THE DEPARTMENT
ELECTRONICS & COMMUNICATION & ENGINEERING
DR. VRK WOMEN'S COLLEGE OF
ENGINEERING & TECHNOLOGY



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Aziznagar (V), Moinabad (M), R.R. Dist. 500 075 - T.S.

Contact No. 7893044962 / 08413235962
Department of **ELECTRONICS AND COMMUNICATION**
Website : www.drirkwomenscollege.com

ENGINEERING

Hands on Training in Robotics

Program Coordinator: Dr. Ravinder Korani

Duration: 13-12-2021 to 17-12-2021

Session 1: 9.00 a.m. to 1.00 p.m.

ATTENDANCE SHEET OF PARTICIPANTS

S. No	Name of the Faculty	13.12.21 Session 1	13.12.21 Session 2	14.12.21 Session 1	14.12.21 Session 2	15.12.21 Session 1	15.12.21 Session 2	16.12.21 Session 1	16.12.21 Session 1	17.12.21 Session 1
1.	Dr. Ravinder Korani	<i>Ravinder Korani</i>	<i>Ravinder Korani</i>	<i>Ravinder Korani</i>	<i>Ravinder Korani</i>	<i>Ravinder Korani</i>	<i>Ravinder Korani</i>	<i>Ravinder Korani</i>	<i>Ravinder Korani</i>	<i>Ravinder Korani</i>
2.	Dr. C. Senthil Singh	<i>Senthil</i>	<i>Senthil</i>	<i>Senthil</i>	<i>Senthil</i>	<i>Senthil</i>	<i>Senthil</i>	<i>Senthil</i>	<i>Senthil</i>	<i>Senthil</i>
3.	Dr. Guguloth Ravi Kumar	<i>G. Ravi Kumar</i>	<i>G. Ravi Kumar</i>	<i>G. Ravi Kumar</i>	<i>G. Ravi Kumar</i>	<i>G. Ravi Kumar</i>	<i>G. Ravi Kumar</i>	<i>G. Ravi Kumar</i>	<i>G. Ravi Kumar</i>	<i>G. Ravi Kumar</i>
4.	Dr. Jawaharin Basha	<i>Basha</i>	<i>Basha</i>	<i>Basha</i>	<i>Basha</i>	<i>Basha</i>	<i>Basha</i>	<i>Basha</i>	<i>Basha</i>	<i>Basha</i>
5.	Mrs. Shaheena Kamrani	<i>SK</i>	<i>SK</i>	<i>SK</i>	<i>SK</i>	<i>SK</i>	<i>SK</i>	<i>SK</i>	<i>SK</i>	<i>SK</i>

PROGRAM COORDINATOR
Ravinder Korani
Dr Ravinder Korani

HOD
Dr. Shaik Saidulu
HEAD OF THE DEPARTMENT
ELECTRONICS & COMMUNICATION & ENGINEERING
DR. V.R.K WOMEN'S COLLEGE OF
ENGINEERING & TECHNOLOGY

PRINCIPAL
Dr. B. Sasi Kumar
PRINCIPAL
DR. V.R.K WOMEN'S COLLEGE OF Engg. & Tech.
Aziz Nagar, Moinabad, R.R. Dist.





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DEPARTMENT OF ELECTRONICS AND COMMUNICATION

ENGINEERING

HANDS ON TRAINING ON IOT AND ITS APPLICATIONS

Program Coordinator: C. Senthil Singh
2020

Duration: 02-09-2020 to 06-02-

Session 1: 9:30 a.m to 12:00 p.m

Session 2: 12:15 p.m to 2:30 p.m

ATTENDANCE SHEET OF PARTICIPANTS

S. NO	Name of the Faculty	02.03.2020(s session 1)	02.03.2020(s session 2)	03.03.2020(s session 1)	03.03.2020(s session 2)	04.03.2020(s session 1)	04.03.2020(s session 2)	05.03.2020(s session 1)	05.03.2020(s session 2)	06.03.2020(s session 1)	06.03.2020(s session 2)
1	Dr M.j jawaharin basha	Basha	Basha	Basha	Basha	Basha	Basha	Basha	Basha	Basha	Basha
2	Dr. C. Senthil Singh	Senthil	Senthil	Senthil	Senthil	Senthil	Senthil	Senthil	Senthil	Senthil	Senthil
3	Dr GUGULOTH RAVI KUMAR	G.Ravi	G.Ravi	G.Ravi	G.Ravi	G.Ravi	G.Ravi	G.Ravi	G.Ravi	G.Ravi	G.Ravi
4	Mrs. Shaheena Kamrani	Sh	Sh	Sh	Sh	Sh	Sh	Sh	Sh	Sh	Sh
5	Dr. Jeyakumar.k	Jaya	Jaya	Jaya	Jaya	Jaya	Jaya	Jaya	Jaya	Jaya	Jaya

PROGRAM COORDINATOR

HOD

PRINCIPAL

HEAD OF THE DEPARTMENT,
ELECTRONICS & COMMUNICATION & ENGINEERING
DR. V.R.K WOMEN'S COLLEGE OF
ENGINEERING & TECHNOLOGY

PRINCIPAL
DR. V.R.K Womens College of Engg. & T
Aziz Nagar, Moinabad, R.R. Dis.



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Contact No. 7893044962 / 08413235962

Website : www.drvrkwomenscollege.com

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

PARTICIPANT FEEDBACK FORM

Name of the Program: Hands on Training in Robotics

Duration: 13-12-2021 to 17-12-2021

Name of the Participant : Ravinder Kotani

Designation / Department : Professor

Name of the Institution : Dr VRKW CET

Particulars	Excellent (5)	Very Good (4)	Good (3)	Average (2)	Satisfactory (1)
The facilities provided by college are	✓				
Instructions were clear and understandable	✓				
Content was well organised		✓			
Organization of workshop and session planning by course instructor		✓			
Overall rating of the program		✓			
Any other comments					

Date: 17.12.2021

Ravinder Kotani
Signature of the Participant



DR. V.R.K WOMEN'S COLLEGE OF ENGINEERING AND TECHNOLOGY

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Contact No. 7893044962 / 08413235962

Website : www.drvrkwomenscollege.com

PARTICIPANT FEEDBACK FORM

Name of the Program: *Hands on Training in Robotics*

Duration: Name of the Participant: *Senthil Singh - 13/12/21 to 17/12/21*

Designation / Department: *Professor / ECE*

Name of the Institution: *DVVRKW CET*

Particulars	Excellent (5)	Very Good (4)	Good (3)	Average (2)	Satisfactory (1)
The facilities provided by college are	✓				
Instructions were clear and understandable		✓			
Content was well organised		✓			
Organization of workshop and session planning by course instructor	✓				
Overall rating of the program		✓			
Any other comments	—				

Date: *17.12.2021*

Senthil
Signature of the Participant



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Contact No. 7893044962 / 08413235962
Website : www.drvrkwomenscollege.com

PARTICIPANT FEEDBACK FORM

Name of the Program: *Robotics*

Duration: Name of the Participant: *Dr. G. Ravi Kumar, 15/12/21 to 17/12/21*

Designation / Department: *Professor/ECE*

Name of the Institution: *Dr. VRKWCEET*

Particulars	Excellent (5)	Very Good (4)	Good (3)	Average (2)	Satisfactory (1)
The facilities provided by college are		✓			
Instructions were clear and understandable	✓				
Content was well organised	✓				
Organization of workshop and session planning by course instructor		✓			
Overall rating of the program		✓			
Any other comments					

Date: *17.12.2021*

G. Ravi
Signature of the Participant



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Contact No. 7893044962 / 08413235962
Website : www.drvrkwomenscollege.com

PARTICIPANT FEEDBACK FORM

Name of the Program: *Hands on Training in Robotics*

Duration: Name of the Participant: *Jawaharin Bashe, 13-12-21 to 17-12-21*

Designation / Department: *Professa/ECE*

Name of the Institution: *Dr. V.R.K.W.C.E.T*

Particulars	Excellent (5)	Very Good (4)	Good (3)	Average (2)	Satisfactory (1)
The facilities provided by college are	✓				
Instructions were clear and understandable	✓				
Content was well organised	✓				
Organization of workshop and session planning by course instructor	✓				
Overall rating of the program	✓				
Any other comments					

Date: *17-12-21*

Bashe
Signature of the Participant



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Contact No. 7893044962 / 08413235962
Website : www.drvrkwomenscollege.com

PARTICIPANT FEEDBACK FORM

Name of the Program: *Hands on Robotics*

Duration: Name of the Participant: *Shahera Kamravi* 13-12-2021 to 17-12-2021

Designation / Department: *Assoc. Prof. / ECE*

Name of the Institution: *Dr VRKWCEET*

Particulars	Excellent (5)	Very Good (4)	Good (3)	Average (2)	Satisfactory (1)
The facilities provided by college are		✓			
Instructions were clear and understandable		✓			
Content was well organised	✓				
Organization of workshop and session planning by course instructor	✓				
Overall rating of the program		✓			
Any other comments					

Date: *17-12-2021*

[Signature]
Signature of the Participant



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Department of Electronics and Communication Engineering

Summary Report

On

Hands on Training in Robotics

The Faculty Development Program on “**Hands on Training in Robotics**” for ECE department faculty has been successfully been conducted at *Dr VRK Women’s College of Engineering and Technology, Aziz Nagar*. The program was conducted from 13-12-2021 to 17-12-2021 by ECE department for the academic year 2021-2022.

This program is conducted to enrich the knowledge of faculty of H&S department in the field “**Hands on Training in Robotics** by: **Dr. Ravinder Korani, Prof,ECE Dr. VRKWCET**. Total 5 faculty attended and feedback is collected from them. It gives a high impact on faculty career. I thank Management, Director, Principal, Vice-Principal and Faculty of Dr. VRKWCET for successful completion of the program and special thanks to the resource person of the program. I thank technical staff and volunteers for their support.

Program Coordinator


Dr. Ravinder Korani

Copy to

1. The Principal
2. IQAC



HOD


Dr Shaik Saidulu

**HEAD OF THE DEPARTMENT
HUMANITIES AND SCIENCES
DR. V.R.K WOMEN'S COLLEGE
OF ENGINEERING AND TECHNOLOGY**



DR. V.R.K WOMEN'S COLLEGE OF ENGINEERING AND TECHNOLOGY
(AFFILIATED TO JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY)

HYDERABAD-75

Department of Electronics and Communication Engineering

Participation Certificate

This is to certify that Dr./Mr./Ms. JAWAHARIN BASHA
Designation PROFESSOR of ECE Department has
participated in "Hands on Training in Robotics" organized by ECE Department
from 13.12.21 to 17.12.21.



Dr. Ravindra Korani

Program Coordinator



Dr. Shaik Saidulu

HOD, ECE Department



Dr. Sasi Kumar

PRINCIPAL



DR. V.R.K WOMEN'S COLLEGE OF ENGINEERING AND TECHNOLOGY
(AFFILIATED TO JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY)
HYDERABAD-75

Department of Electronics and Communication Engineering

Participation Certificate

This is to certify that Dr./Mr./Ms. Shaberna Samsoni
Designation Associate Professor of ECE Department has
participated in "Hands on Training in Robotics" organized by ECE Department
from 13.12.21 to 17.12.21.

Laishan Doran

[Signature]

[Signature]

Dr. Ravindra Korani
Program Coordinator

Dr. Shaik Saidulu
HOD, ECE Department

Dr. Sasi Kumar
PRINCIPAL



Dr. V.R.K Women's College of Engg. & Tech.
A.P. Nagar, Moynabad, R.R. Dist.



DR. V.R.K WOMEN'S COLLEGE OF ENGINEERING AND TECHNOLOGY
(AFFILIATED TO JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY)
HYDERABAD-75

Department of Electronics and Communication Engineering

Participation Certificate

This is to certify that Dr./Mr./Ms. Ravinder Korani of ECE Department has participated in "Hands on Training in Robotics" organized by ECE Department from 13.12.21 to 17.12.21.


Ravinder Korani

Dr. Ravindra Korani

Program Coordinator



Dr. Shaik Saidulu

HOD OF ECE Department

DR. V.R.K WOMEN'S COLLEGE OF
ENGINEERING & TECHNOLOGY



Dr. Sasi Kumar

PRINCIPAL

Dr. V.R.K Women's College of Engg. & Tech.
Aziz Nagar, Moinsabad, R.R. Dist.



DR. V.R.K WOMEN'S COLLEGE OF ENGINEERING AND TECHNOLOGY
(AFFILIATED TO JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY)
HYDERABAD-75

Department of Electronics and Communication Engineering

Participation Certificate

This is to certify that Dr./Mr./Ms. E. Senthil Singh of ECE Department has participated in "Hands on Training in Robotics" organized by ECE Department from 13.12.21 to 17.12.21.


Dr. Ravindra Korani

Program Coordinator



Dr. Shaik Saidulu

HOD, ECE Department



Dr. Sasi Kumar

PRINCIPAL



Dr. VRK Womens College of Engg. & Tech.
Aziz Nagar, Mojnabad, R.R. Dist.



DR. V.R.K WOMEN'S COLLEGE OF ENGINEERING AND TECHNOLOGY
(AFFILIATED TO JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY)
HYDERABAD-75

Department of Electronics and Communication Engineering

Participation Certificate

This is to certify that Dr./Mr./Ms. Sugulatha Ravi Kumar
Designation Professor of ECE Department has
participated in "Hands on Training in Robotics" organized by ECE Department
from 13.12.21 to 17.12.21.



Dr. Ravindra Korani
Program Coordinator



Dr. Shaik Saidulu



Dr. Sasi Kumar

HOD, ECE Department



PRINCIPAL

DR. V.R.K WOMEN'S COLLEGE OF
ENGINEERING & TECHNOLOGY

Dr. V.R.K Women's College of Engg. & Tech.
Aziz Nagar, Moinsabad, R.R. Dist.

ABOUT DR. V.R.K. WOMEN'S COLLEGE OF ENGINEERING & TECHNOLOGY

The dawn of globalization, liberalization and privatization in India gave impetus not just to the much needed economy but also to technical education. India can now boast of having the third largest pool of scientific and technical manpower in the world. The network of technical institutions which now span the country came into being in the 1990's. At present India is a leading force to reckon with in the fields of Software industry, Space science, Biotechnology, Nuclear science.

DR. V.R.K. Women's College of Engineering and Technology (DRVRKWCET) we keep that light of the nation ablaze. The institution, ever since its foundation in 2002 is in the constant pursuit of keeping high the self imposed standards of excellence. Quality, Modernity and High Degree of Scientific Temperament pervade every facet of the institution, be it technical education, laboratories or infrastructure facilities. The campus is the abode of discipline, harmony and intellectual pursuit and a buzz with intense academic activity.

Highly qualified fraternity, sprawling campus, state-of-the-art laboratories, well equipped library, spacious playground and above all ever enthusiastic management make DR. V.R.K. Women's College of Engineering and Technology (DRVRKWCET)

ABOUT HUMANITIES AND SCIENCES

The department has been rated very high in academic Circles. The graduates from this department include many renowned technocrats, researchers and academicians working all over the world. The department provides a platform for the faculty and students of engineering colleges in the country to Pursue their interest in basic and applied research. The Department conducts various conferences, seminars and Workshops on frontier areas of research in technical institution in India

CHIEF PATRON

Mr. Mohd. Shah Alam Rasool Khan,
Chairman-DR. V.R.K. Educational
Society

PATRON

Dr. B Sasi Kumar
Principal

CO-PATRON

Mrs. Sujatha Theodore
Director

CONVENER

Dr. Shaik Saidulu
Professor & HOD, ECE Dept.

CO-ORDINATOR

Dr. Ravinder Korani
Assistant Professor, ECE Dept.

NO REGISTRATION FEE

HANDS ON

TRAINING IN ROBOTICS

FROM
13th Dec T0 17th Dec2021
(09:00AM to 01:00PM)



Organized by

Department of
Electronics and Communication Engineering

DR. V.R.K. Women's College of Engineering &
Technology

(Affiliated to JNTUH & Approved by AICTE, New Delhi)
Aziz Nagar, Moಿನabad, Ranga Reddy District - 75,
Telangana, India.

<http://www.drvtkwomenscollege.com>



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(Affiliated to JNTUH & Approved by AICTE)
Aziz Nagar, R.R dist, Hyderabad-500 075

DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

HANDS ON TRAINING IN ROBOTICS

RESOURCE PERSON:-

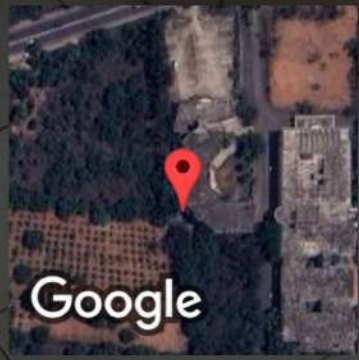
Dr. C Senthil Singh, Dr. VRKW CET

DURATION: 13 to 17 December 2021

TIME: 9 am to 1 pm

Science Day
CSE
2022-2025
The Nation On this
Science Day

 **GPS Map Camera**



Aziznagar, Telangana, India
VRK WOMEN'S COLLEGE OF ENGINEERING AND TECHNOLOGY, DR.
VRK HOSPITAL, Aziznagar, Telangana 500075, India
Lat 17.352511°
Long 78.333496°
15/12/21 10:42 AM GMT +05:30