



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY

(DEEMED TO BE UNIVERSITY)

Accredited with 'A' grade by NAAC
Jeppiaar Nagar, Rajiv Gandhi Salai, Chennai - 600 119.



**WOLLO UNIVERSITY KOMBOLCHA
INSTITUTE OF TECHNOLOGY,
ETHIOPIA**

**IN
COLLABORATION
WITH**

**SATHYABAMA INSTITUTE OF SCIENCE &
TECHNOLOGY,
INDIA**



ONLINE FACULTY EXCHANGE PROGRAM

**“SHORT TERM SKILL DEVELOPMENT COURSE”
ON “AUTOCAD DESIGN” TRAINING FOR AUTOMOTIVE
ENGINEERING PART TIME POST GRADUATE STUDENTS**

**ORGANIZED BY DEPARTMENT OF MECHANICAL ENGINEERING
IN ASSOCIATION WITH
ENGINEERING COLLEGE POST GRADUATE RESEARCH & CO-ORDINATE OFFICE, KIoT**

Dr. S. PRABHAKAR

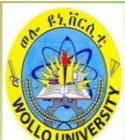
Associate Professor,
Automobile Stream, Wollo University,
Kombolcha Institute of Technology (KIOT),
Ethiopia

FACILITATORS

Mr. J. R. DEEPAK

Assistant Professor,
School of Mechanical Engineering,
Sathyabama Institute of Science and Technology,
India

**WOLLO UNIVERSITY
KOMBOLCHA INSTITUTE OF
TECHNOLOGY, ETHIOPIA**



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**"SHORT TERM SKILL DEVELOPMENT COURSE" ON "AUTOCAD DESIGN" TRAINING FOR AUTOMOTIVE
ENGINEERING PART TIME POST GRADUATE STUDENTS**

SECOND YEAR








DAWIT ASRES ALEMU

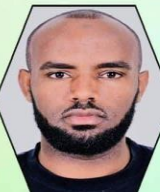
AMANUEL SEIFU WASSIHUN

JEMAL SEID TADESSE

DARIQ ATNAFU ABEGAZ

HELEN AMSALU BEYENE

ABDULAZIZ KASSAW YIMER





ABDULKERIM BELAY HAMZA

MUADH SOLOMON

MELESE WORKU

MANAYE NEGUSSIE ASMARE

AHMED ALI

HUSSEIN AHMED ENDERIS






MULUKEN KASSAW BRHANE

CHILEN TATEK KEBEDE

ALI MOHAMMED YESUF

BILAL SEID MUZEYIN

4/4/2021

ZOOM MEET

FIRST YEAR

**ORGANIZED BY DEPARTMENT OF MECHANICAL ENGINEERING
IN ASSOCIATION WITH ENGINEERING COLLEGE POST GRADUATE RESEARCH & CO-ORDINATE OFFICE, KIoT**

Mr. J. R. DEEPAK, Assistant Professor, School of Mechanical Engineering,
Sathyabama Institute of Science and Technology, India

FACILITATORS

Dr. S. PRABHAKAR, Associate Professor, Automobile Stream,
Wollo University, Kombolcha Institute of Technology (KIoT), Ethiopia

GRADES FOR STUDENTS

SL NO	REG NO	NAME	Presentatio n (20%)	Mid 20%	Assignmen t 10%	Final (50%)	Total (100%)	Grade
1	38090001	AATHISHANKARAN. K. S	20	20	10	11	61	C+
2	38090005	DHANAPRASATH. G	20	20	10	44	94	A+
3	38090008	JOHN BRUTTUS. R	20	20	10	11	61	C+
4	38090002	AMAN DINODIYA	20	20	10	11	61	C+
5	38090702	HARI PRASAD. CH	20	20	10	44	94	A+
6	38090019	SIVASURYA. P	20	20	10	37	87	A
7	38090003	BALA KABILAN. R	20	20	10	31	81	A-
8	38090703	HARISH. V	20	20	10	42	92	A+
9	38090020	SRIRAM. S	20	20	10	46	96	A+
10	38090004	DARVIN. V	20	20	10	2	52	C
11	38090006	EZHUMALAI. A	20	20	10	44	94	A+
12	38090009	JOHN. B	20	20	10	37	87	A

13	38090010	KAMALINEE. S	20	20	10	31	81	A-
14	38090011	KARTHICK RAJA. S	20	20	10	42	92	A+
15	38090012	LOKESH. G	20	20	10	44	94	A+
16	38090013	MANI. C	20	20	10	37	87	A
17	38090014	NARESH. S	20	20	10	31	81	A-
18	38090015	NAVEEN. G	20	20	10	42	92	A+
19	38090016	NESARAJ.D	20	20	10	44	94	A+
20	38090017	RAGHAVENDRA. R	20	20	10	11	61	C+
21	38090018	SABEER KHAN. J	20	20	10	11	61	C+
22	38090021	VIGNESHWAR. M	20	20	10	44	94	A+
23	38090701	SHAIK VALI ABDUL HAQ	20	20	10	37	87	A
24	38090901	SAM THOMAS. U	20	20	10	37	87	A

GRADES FOR STUDENTS

NO	ID No	Name of Students	Sex	Presentation (20%)	Mid 20%	Assignment 10%	Final (50%)	Total (100%)	Grade
1	SGSE/0440/1 2	AMANUAL SEIFU	M	20	20	10	44	94	A+
2	SGSE/0441/1 2	DARIK ATNAFU	M	20	20	10	11	61	C+
3	SGSE/0442/1 2	HELEN AMSALU	F	20	20	10	11	61	C+
4	SGSE/0443/1 2	HUSSEN AHMED	M	20	20	10	44	94	A+
5	SGSE/0444/1 2	MANAYE NIGUS	M	20	20	10	37	87	A
6	SGSE/0445/1 2	MELESE WORKU	M	20	20	10	31	81	A-
7	SGSE/0446/1 2	AHMED ALI	M	20	20	10	42	92	A+
8	SGSE/0447/1 2	DAWIT ASERSE	M	20	20	10	46	96	A+
9	SGSE/0448/1 2	ABUDULAZIZE KASSAW	M	20	20	10	2	52	C
10	SGSE/0048/1 2	MUADH SOLOMON	M	20	20	10	30	80	A-
11	SGSE/0069/1 2	ABDULKERIM BELAY	M	20	20	10	1	51	C
12	SGSE/0471/1 2	JEMAL SEID	M	20	20	10	37	87	A

NO	ID No	Name of Students	Sex	Presentation (20%)	Mid 20%	Assignment 10%	Final (50%)	Total (100%)	Grade
1	SGSE/0246/1 3	BILAL SEID	M	20	20	10	35	85	A
2	SGSE/0245/1 3	ALI MOHAMMED YESUF	M	20	20	10	35	85	A
3	SGSE/0250/1 3	MULUKEN KASSAW	M	20	20	10	37	87	A

Grading system, A –Excellent,

B -above average

C -satisfactory

D -unsatisfactory

F -failure

I -incomplete,

NG -no grade



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CERTIFICATE OF PARTICIPATION

PRESENTED TO



ABDULKERIM BELAY HAMZA

Second Year Automotive Engineering Part Time Post Graduate Student Who has Participated in "SHORT TERM SKILL DEVELOPMENT COURSE ON AUTOCAD" from 04 - 04 - 2021 to 25 - 04 - 2021 organized by School of Mechanical Engineering, Sathyabama Institute of Science and Technology, Chennai, India.

Dr. S. PRABHAKAR

ASSOCIATE PROFESSOR
WOLLO UNIVERSITY
KOMBOLECHA INSTITUTE OF TECHNOLOGY
ETHIOPIA
(FACILITATOR)

Mr. J. R. DEEPAK

ASSISTANT PROFESSOR
SCHOOL OF MECHANICAL ENGINEERING
SATHYABAMA INSTITUTE OF SCIENCE AND
TECHNOLOGY, INDIA
(COURSE INSTRUCTOR)

Dr. S. PRAKASH

DEAN
SCHOOL OF MECHANICAL ENGINEERING
SATHYABAMA INSTITUTE OF SCIENCE AND
TECHNOLOGY, INDIA
(ORGANIZER)



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List of staff Members participated

Sl.No	Name of the staff	Designation	Institutions
1.	Mr.V.Sriram	Assistant Professor	Sathyabama Institute of Science and Technology Chennai
2.	Mr.J.Senthil Kumar	Assistant Professor	Sathyabama Institute of Science and Technology Chennai
3.	Mr.Jayaprakash	Assistant Professor	Sathyabama Institute of Science and Technology Chennai
4.	Mr.Deepak	Assistant Professor	Sathyabama Institute of Science and Technology Chennai
5.	Dr.Jayaprabhakar	Associate Professor	Sathyabama Institute of Science and Technology Chennai
6.	Dr.S.Ganesh	Associate Professor	Sathyabama Institute of Science and Technology Chennai
7.	Dr.G.Senthil Kumar	Associate Professor	Sathyabama Institute of Science and Technology Chennai
8.	Dr.S.P Ventatesan	Associate Professor	Sathyabama Institute of Science and Technology Chennai
9.	Mr.Madhankumar	Assistant Professor	Sathyabama Institute of Science and Technology Chennai
10.	Mr.Gukul Nath	Assistant Professor	Sathyabama Institute of Science and Technology Chennai
11.	Mr.DilipSahoo	Assistant Professor	Sathyabama Institute of Science and Technology Chennai
12.	Mr.Siva	Assistant Professor	Sathyabama Institute of Science and Technology Chennai



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Report

AutoCAD Design Software Training for Automotive Engineering Post Graduate students and Mechatronics Engineering students Organized by Department of Mechatronics Engineering, Sathyabama Institute of Science and Technology and Wollo University – KIOT Ethiopia from 04.04.2021 to 25.04.2021 (Sunday). 16 Post Graduate Students of Wollo University and 24 II year Mechatronics Engineering students have successfully completed the short term course. From school of mechanical engineering 12 staff members have participated.



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HANDS-ON WORKSHOP ON VIRTUAL ROBOTICS

Organized By:

DEPARTMENT OF MECHATRONICS ENGINEERING
SCHOOL OF MECHANICAL ENGINEERING

19th to 24th APRIL 2021

About Department of Mechatronics Engineering

Started in 2018 under the School of Mechanical Engineering, the Department of Mechatronics Engineering has emerged as a **launchpad** for the evolution of Mechanical and Electronics Engineering through the amalgamation of mechanics, precision engineering, sensor and actuation technology, computer science and control theory. The department offers a 4-year B.E. degree **program** with a modern curriculum matching to the needs of the industry. The department has futuristic infrastructure and well-equipped laboratories. The pivotal aim of the department is to provide outstanding education to the students with practical knowledge and hands on experience to solve the Industrial problems.

About Mukkudal Robotics

Mukkudal Robotics is a team of energetic engineers. They believe practical learning is the key resource to train the young minds to build their **future** tech world. They make students to get involved in STEAM Education through Robotics, which improves creativity, innovation and coding skills. Started year 2019, **Mukkudal** Robotics is constantly growing from strength to strength by focusing on quality education through technology.



Sessions Handled By



MONIR ANJAM, S D R, Founder & CEO, **Mekkada Robotics**

An Electronics and Communication Engineer, with core interest in creative field chose Robotics has his career and started implementing his creativity in robotics since completing his education. He believes young minds are to be involved in tech based practical learning, which makes students to see their future in an optimistic view, so he started an **Edtech Organization** with the team of equipped engineers.

WORKSHOP SCHEDULE

DAY - 1 (19.04.2021) INTRODUCTION TO ROBOTICS EV3 ROBOTICS KIT PRACTICAL ROBOTICS KIT Vs VIRTUAL ROBOTICS KIT DAY - 4 (22.04.2021) PROJECT OF THE DAY (Touch Sensor & Ultrasonic sensor)	DAY - 2 (20.04.2021) SOFTWARE OVERVIEW ACTION BLOCK (Motor Control) PROJECT OF THE DAY DAY - 5 (23.04.2021) PROJECT OF THE DAY (Colour Sensor & Gyro Sensors)	DAY - 3 (21.04.2021) CALIBRATION SQUARE FORMATION LOOPING PROJECT OF THE DAY DAY - 6 (24.04.2021) SWITCHCASE LINE FOLLOWER
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CHIEF PATRONS

Dr. Marudamoni Johnson
Chancellor

Dr. Maria Johnson
President

**Ms. Maria Bernadette
Tamilarasi Johnson**
Vice President

RATBONS

Dr. T. Sadaraba
Vice Chancellor

Dr. S. Prakash
Dean, Mechanical

CONVENERS

Dr. M. Sangeetha
Asso. Prof, Mechatronics

Mr. J. R. Deepak
Asst. Professor, Mechatronics

COORDINATOR

Mr. Nivin Joy
Asst. Professor, School of Mechanical

Register before April 17th at:

bit.ly/RoboticsWorkshop2021



Pay the Workshop Registration Fees of Rs.300
through Google Pay to 988 484 3539



For More Details Contact:

Dr. M. Sangeetha (97 90 99 62 34)

Mr. J. R. Deepak (90 47 38 23 98)

Mr. Nivin Joy (98 84 84 35 39)

www.sathyabama.ac.in

Attendance Summary for VIRTUAL ROBOTICS (Day wise)

Sl. No	Email Address	Name of the Participant Day 1 (19.04.2021)	Session
1	yashwanthtekumudi1@gmail.com	37150192 Tekumudi Yashwanth	Day 1 (19.04.2021)
2	k.likithkumar2001@gmail.com	39860008 Likith Kumar	Day 1 (19.04.2021)
3	naveen.g0514@gmail.com	38090015 Naveen.G	Day 1 (19.04.2021)
4	ignatiusraja2@gmail.com	40860001 Ignatius Raja	Day 1 (19.04.2021)
5	rishidwa@gmail.com	40090024 S.Riswanth	Day 1 (19.04.2021)
6	devhimayan@gmail.com	40090007 Devaragothaman.Y.A	Day 1 (19.04.2021)
7	pavanupasi123@gmail.com	19NE5A0323 Upasi.Sri Venkat Pavan	Day 1 (19.04.2021)
8	saisasikamani@gmail.com	40260020 Sai Sasika M	Day 1 (19.04.2021)
9	yuvatreyakapro@gmail.com	38150048 Katnam Yasaswi Utham Venkata Atreya	Day 1 (19.04.2021)
10	gudepusivasairedy67@gmail.com	19NE5A0312 Siva Sai Reddy Gudepu	Day 1 (19.04.2021)
11	nagapatlanyb2002@gmail.com	39090029 N.Yaseer Basha	Day 1 (19.04.2021)
12	kevinrajadurai@gmail.com	40090015 E.Kevin Rajadurai	Day 1 (19.04.2021)
13	p.raviteja4134@gmail.com	37150133 Pachipulus V R N P Raviteja	Day 1 (19.04.2021)
14	siddarthaguraja@gmail.com	39090011 Guraja Siddartha	Day 1 (19.04.2021)
15	kamalineee05s@gmail.com	38090010 Kamalineee S	Day 1 (19.04.2021)
16	kumarvishalm1998@gmail.com	BTECH19MEL01 Vishal Kumar	Day 1 (19.04.2021)
		Day 2 (20.04.2021)	
1	kamalineee05s@gmail.com	38090010 Kamalineee S	Day 2 (20.04.2021)
2	devhimayan@gmail.com	40090007 Devaragothaman.Y.A	Day 2 (20.04.2021)
3	p.raviteja4134@gmail.com	37150133 Pachipulus V R N P Raviteja	Day 2 (20.04.2021)
4	rishidwa@gmail.com	40090024 S.Riswanth	Day 2 (20.04.2021)
5	k.likithkumar2001@gmail.com	39860008 Likith Kumar	Day 2 (20.04.2021)
6	Yuvatreyakapro@gmail.com	38150048 Katnam Yasaswi Utham Venkata Atreya	Day 2 (20.04.2021)
7	ashwinkumar5409@gmail.com	40090003 Ashwin Sk	Day 2 (20.04.2021)
8	balamurali.pulapa@gmail.com	38150711 Bala Murali Krishna Pulapa	Day 2 (20.04.2021)
9	saisasikamani@gmail.com	40260020 Sai Sasika M	Day 2 (20.04.2021)
10	siddarthaguraja@gmail.com	39090011 Guraja Siddartha	Day 2 (20.04.2021)
11	gudepusivasairedy67@gmail.com	19NE5A0312 Siva Sai Reddy Gudepu	Day 2 (20.04.2021)
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		Day 3 (22.04.2021)	
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		Day 4 (23.04.2021)	
1	k.likithkumar2001@gmail.com	39860008 Likith Kumar	Day 4 (23.04.2021)
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HANDS-ON WORKSHOP ON VIRTUAL ROBOTICS
Organized By
DEPARTMENT OF MECHATRONICS ENGINEERING SCHOOL OF
MECHANICAL ENGINEERING
19th to 24th APRIL 2021

Report

Hand on workshop on Virtual Robotics Organized by Department of Mechatronics Engineering, Sathyabama Institute of Science and Technology, Using virtual Robotics Toolkit and LabVIEW EV3Mindstorm the following project were done, the following points have discussed during the program Move forward 2000 degree/speed 50/ Break. Move backward 2.5 sec/ speed-100/coas, Move forward 4sec/speed50/break,move Forward 1000 degree/speed50/break,Make a square of 1000 degree using point turn and swing turn, Project on touch sensor andultrasonic sensor, colour sensor, gyro sensor, Project on switch case andline follower.From school of mechanical engineering 11 staff members and 24 students have participated.



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List of staff Members participated

Sl.No	Name of the staff	Designation	Institutions
1.	Dr.S.Sivasaravan an	Associate Professor	Sathyabama Institute of Science and Technology Chennai
2.	Mr.J.Senthil Kumar	Assistant Professor	Sathyabama Institute of Science and Technology Chennai
3.	Mr.Jayaprakash	Assistant Professor	Sathyabama Institute of Science and Technology Chennai
4.	Mr.Deepack	Assistant Professor	Sathyabama Institute of Science and Technology Chennai
5.	Dr.Jayaprabhakar	Associate Professor	Sathyabama Institute of Science and Technology Chennai
6.	Dr.S.Ganesh	Associate Professor	Sathyabama Institute of Science and Technology Chennai
7.	Dr.G.Senthil Kumar	Associate Professor	Sathyabama Institute of Science and Technology Chennai
8.	Dr.S.P Ventatesan	Associate Professor	Sathyabama Institute of Science and Technology Chennai
9.	Mr.Madhankumar	Assistant Professor	Sathyabama Institute of Science and Technology Chennai
10.	Mr.Gukul Nath	Assistant Professor	Sathyabama Institute of Science and Technology Chennai
11.	Mr.DilipSahoo	Assistant Professor	Sathyabama Institute of Science and Technology Chennai