



STUDENTS' ASSOCIATION OF AUTOMATION AND ROBOTICS

ROS (Robot Operating System) Workshop Report

The **Department of Automation and Robotics Engineering** in Association **Students' Association of Automation and Robotics (SAAR)** and the **Robotic Society of India (TRS)-Student Chapter** had organized a two days ROS Workshop for TE Students from 3rd April 2024 to 4th April 2024 at 9.10 am to 4:00 pm in **CAD Lab**.

The workshop was conducted by **Automax Robotics Pvt. Ltd., Pune**. This workshop was sponsored by The Robotic Society of India (TRS). The Workshop was on the topic **"Robot Operating system"**. Mr. Raunak Chaudhary, Mr. Pratik Gawali, and Mr. Sagar Mangulkar, Automax Robotics Pvt. Ltd., Pune have deliberated the Introduction to ROS: Introduction to Robotics, ROS in the world of Robotics, Virtualize Ubuntu & Install ROS, ROS file system, packages, nodes, launch files, and hands-on programming with Publishers-Subscribers, services on first day. Second day students have learned about Gazebo Sim (Turtlesim, Arm Robot Modelling), Self-Driving Robots: Gazebo as a dynamic simulator, Turtles Test-drive, Move it for application development, Self-driving robots, Sensors used in navigation, Move base as a Navigation Framework, and Demonstration of Hardware.

About 70 students from TE, Automation and Robotics Department were present for this two days' workshop. The lecture was very much interesting and informative to the students.





Amrutvahini Sheti & Shikshan Vikas Sansthas'
Amrutvahini College of Engineering
Sangamner - 422608, Dist.: Ahmednagar (M.S.), India.
DEPARTMENT OF AUTOMATION AND ROBOTICS



STUDENTS' ASSOCIATION OF AUTOMATION AND ROBOTICS





Amrutvahini Sheti and Shikshan Vikas Sanstha's
Amrutvahini College of Engineering, Sangamner



- ▶ Approved by AICTE, New Delhi
- ▶ Permanently Affiliated to S. P. P. U., Pune
- ▶ Accredited Fourth time by NBA, New Delhi
- ▶ "A+" Grade by NAAC (C.G.P.A. 3.4)
- ▶ ISO 9001 : 2015 TUV-SUD Certified
- ▶ AICTE ID : 1-7576531
- ▶ D.T.E. Code : EN5162
- ▶ SPPU ID : PU/AN/Engg-024/1983
- ▶ A.I.S.H.E. Code (Ref.No.) : C-41515
- ▶ Nodal Center of ISRO IIRS, Deharadun

Best Engineering College (Professional-Rural) Award (2010, 2020), Best Principal Award (2022-23) by Savitribai Phule Pune University, Pune

Ref. No.: AE/Office/2023-24/7333

28 February 2024

To,
Dr. Ekta Singla,
Secretary, The Robotics Society (TRS),
Department of Mechanical Engineering
IIT Ropar, Rupnagar – 140 001

Subject: Submission of proposal for three days National workshop on "Introduction to Robot Operating System" under TRS- student chapter.

Dear Madam,

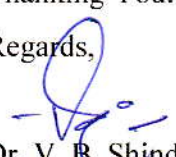
Warm Greetings!!!

With reference to above cited subject, we are submitting the three days National workshop proposal on "**Introduction to Robot Operating System**" under TRS- student chapter with id: TRS-SC/19/004. The detail of the program is given in the annexure. The tentative dates for this program are 04-06 July 2024.

In this regard, you are kindly requested to allow and sanction the expenditure against the same. Your cooperation is highly appreciated for the success of the program.

Thanking You.

Regards,


Dr. V. B. Shinde,
Coordinator


Dr. M. A. Venkatesh
Principal

Encl.

1. Annexure-I



The Robotics Society

To,

Department of Automation & Robotics Engineering,
Amrutavahini College of Engineering,
Sangamner, Ahmednagar, Maharashtra,
vilas.shinde@avcoe.org

Subject: Budget Approval for conducting TRS-SCALE (Phase-I).

Approval Number: TRS-SCALE 2024/ Phase I/ (SC Registration No. -TRS-SC/19/004)

Madam/ Sir,

We are pleased to inform you that a budget amounting of Rs. 15,000 (Rupees Fifteen Thousand only) has been approved against the proposal submitted by you for conducting The Robotics Society-Student Chapter-Activity for Learning and Enriching (TRS-SCALE) in your TRS student chapter during April 1- August 31, 2024.

TRS-SC Faculty Coordinator: Prof. VILAS. B. SHINDE and Prof. Manoj. M.

This approval letter is based on the proposal submitted by the coordinator. The letter needs the signature of the coordinator and the competent authority of the Institution at end to accept the approval. The accepted letter should be sent back to the Secretary, TRS for release of the fund.

Best Wishes



(TRS Secretary)

Terms and Conditions: The coordinator is responsible for

- 1. Conduct the event as per the guidelines provided in the call for proposal and utilize the fund for the purpose it is released.*
- 2. The coordinator is responsible for submitting a two-page report on the completion of the event and utilization certificate for the released fund not later than September 30, 2024.*

Coordinator Signature 

Name: Dr. VILAS B. SHINDE

Date: 20/03/2024

Place: Sangamner



Dean/ VC/ Director Signature 

Name: Dr. M. A. Venkatesh

Date: 20/03/2024

Place: Sangamner

Copy To:

1. i. President ii. Treasurer iii. Student Activity Coordinators, The Robotics Society
2. File Copy

Proposal for TRS-SCALE (Student Chapter Activity for Learning and Enriching)

(To be completed in one page)

Name of the Student Chapter (SC) or Institute where SC is located	Department of Automation & Robotics Engineering Amrutvahini College of Engineering, Sangamner, Ahmednagar, Maharashtra TRS-SC/19/004		
Faculty Mentor Name / Organizing Coordinator and Contact Details (Designation, Dept., Mobile and Email)	Faculty Mentor Name: Dr. V. B. Shinde Email: vilas.shinde@avcoe.org , Mob. +91-9420198988 Dr. V. S. Gadakh Email: vijay.gadakh@avcoe.org , Mob. +91-9404716998 Organizing Coordinators: Prof. S. N. Patil Email: satish.patil@avcoe.org , Mob. +91-8275254507 Prof. P. B. Wakchaure Email: prashant.wakchaure@avcoe.org , Mob. +91-9860511852 Prof. H. P. Pathade Email: hemanth.pathade@avcoe.org , Mob. +91-9011076115 Prof. S. K. Bangar Email: sunil.bangar@avcoe.org , Mob. +91-8108932696 Department of Automation & Robotics Engineering Amrutvahini College of Engineering, Sangamner		
Title of the Proposed Activity	Three days National workshop on “Introduction to Robot Operating System”		
Brief Description (max. 300 words) [Identify specific themes on which the activity will focus and how it the activity would help the student community]	Day 1: Introduction to ROS - Overview of ROS: Definition, history, and key features. - Installation and setup: Installing ROS on Ubuntu, setting up the ROS environment. - ROS architecture: Understanding nodes, topics, messages, and the ROS file system. - Hands-on: Writing and running your first ROS node, exploring ROS topics. Day 2: ROS Communication and Basic Concepts - ROS communication: Deep dive into topics, publishers, subscribers, and messages. - Introduction to ROS tools: Command-line tools (rostopic, roscore, rosbag) and graphical interfaces (rviz, rqt). - ROS file system: Understanding ROS packages, workspaces, and directory structure. - Hands-on: Creating custom messages, visualizing data with rviz. Day 3: Advanced ROS Topics and Applications - ROS services and actions: Understanding synchronous and asynchronous communication in ROS. - Introduction to URDF: Basics of URDF modeling for robot description. - Integration with ROS ecosystem: Overview of MoveIt! for robot motion planning and manipulation. - Hands-on project: Participants work on a small project integrating concepts learned, such as building a simple robot model, implementing basic navigation, or performing manipulation tasks		
Tentative Topics and Resource persons along with duration of the sessions	Day 1: Introduction to ROS -Dr. Dattatray Bhagwan Jadhav (1 day) Day 2: ROS Communication and Basic Concepts -Mr. Sanket Unde (1 day) Day 3: Advanced ROS Topics and Applications -Mr. Akshay Harale (1 day)		
Tentative breakup of the budget requested	Sr. No.	Description	Amount in INR
	1	T.A/D.A. and Honorarium of Experts	30,000/-(2k per session)+TA
	2	ROS Kits	20,000/-
	3	FDP Kit, course material	5,000/-
	4	Expenditure for organization of FDP, Hospitality	20,000/-
	Total Expenditure		75,000/+TA
	Amount Expected from TRS		60,000/-
	College contribution		15,000/+TA
Any other relevant points	Tentative Program Dates: 04-06 July 2023		

Ref: AE/RTR/2023-24/142

Date: 05-04-2024

To,

The Principal,

Amruthavani College of Engineering,

Sangamner.

subject: Permission to release the payment of "Robot operating System" (2 Days Workshop conducted from 03-04-2024 to 04-04-2024.)

Respected Sir,

We the department of Automation and Robotics were conducted 2 days' workshop "Robot Operating System" successfully from 03-04-2024 to 04-04-2024. Automax Robotics Pvt. Ltd. Conducted the event in which 65 students participated and this event is funded and sanctioned (Rs.15000/-) by "The Robotics Society of India", But initially we have to pay workshop fee to above agency through college account.

Hence, we request you to allow for the same.

Thank You,

Your Faithfully,


Er. Wakchaure P.B./Er. Bangar Sunil K.
(Automation & Robotics Dept.)

R/sir,
Kindly direct accounts
to release the said amount
of Rs. 15,000 + GST
- 15/04/24

R/sir
- TRS has sanctioned our proposal and Rs. 15000/-
granted for conducting the event, which will be
reimbursed after the submission of all the bills
and completion report. So kindly requested to
release the amount of Rs. 15000 + GST
- 15/04/24

Enclosed -

- ① TRS sanction letter.
- ② Invoice - Automax Robotics Pvt Ltd.

Auth
all record
6/4/24

Date: 28-03-2024

To,

The Principal,

AVCOE, Sangamner.

Subject: About permission for Two days workshop on **Robot Operating System (ROS)** on 3/4/24 & 4/4/24 also to arrange accommodation and food for the two guests for three day's (2, 3, & 4/4/24).

Respected Sir,

With the reference to the above cited subject, we have arranged a **two day's workshop on 'Robot Operating System (ROS)' on 03-04-2024 and 04-04-2024**. As TRS sanctioned Fund of Rs.15000/ for the same. So we need your permission for workshop & also to make arrangements of accommodation and food for two guests in guest-house for above mentioned dates.

So, sir we are requesting to give us permission for the same.

Thanking You,

Yours faithfully,


Prof. P.B. Wakchaure/ Prof.S.K. Bangar

Assistant Professor,

Automation and Robotics Dept.

R/sir,
forwarded for your permission
E n. a
28/3/24

Shri vjay khule

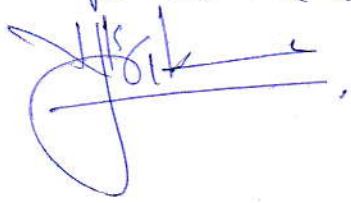
Plz do the needful

① 28/3/24

Permitted
① 28/3/24

Sir 29/3/24

Pl. do the needful





Prashant Wakchaure <prashant.wakchaure@avcoe.org>

Fwd: Proposal for ROS workshop

1 message

HOD Automation <hod.automation@avcoe.org>

Tue, Mar 26, 2024 at 11:02 AM

To: Prashant Wakchaure <prashant.wakchaure@avcoe.org>, sunil bangar <sunil.bangar@avcoe.org>

You are directed to coordinate the ROS training workshop for TE Students against the TRS Proposal sanction of Rs. 15000/-

Get connected with for further process**Dr. Jadhav D.B. 9960607745 and Sagar Mangulkar 8830390941**

----- Forwarded message -----

From: <dbjadhav@automaxrobotics.com>

Date: Tue, Mar 26, 2024 at 10:46 AM

Subject: Proposal for ROS workshop

To: <hod.automation@avcoe.org>

Dear sir,

Attached is the proposal for the ROS workshop, please go through it.

As per our telephonic discussion the workshop will be conducted in the first week of April on dated 03/04/2024 to 04/04/2024.

Looking forward to hear from you!!!

Thanks and Regards,

Sagar Mangulkar

+918830390941

Automax Robotics Pvt Ltd

www.automaxrobotics.com

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With warm regards!!

Dr. Vilas B. Shinde

Head , Automation and Robotics Dept.,
Amrutvahini college of Engineering, Sangamner - 422608
Mobile no.:+91-9420198988, 9834106902
<https://avcoe.irins.org/profile/255236>

**ROS Workshop proposal.pdf**

910K



DAY-I

Amrutvahini College of Engineering, Sangamner
DEPARTMENT OF AUTOMATION AND ROBOTICS
STUDENTS' ASSOCIATION OF AUTOMATION AND ROBOTICS



Title: Two Days Workshop on Robot operating system (ROS)

Date/Time: 3/4/24 & 4/4/24 (Sponsored by-RSI & Association with Autamax Robotics Pvt Ltd.)

Sr. No.	Name of the Student	Roll No.	Class	Dept.	Sign
1	Tambe Sudhir Sanjay	58	TE	A&R	
2	Thakare Sanket Ujwal	59	TE	A&R	
3	Bibave Kanchan Dipak	03	TE	A&R	
4	Punam abaji khilari	30	TE	A&R	
5	Sangale Shrish Baban	48	TE	A&R	
6	Nikhi Nileshe Pagare	38	TE	A&R	
7	Ingale sneha Sanjay	19	TE	A&R	
8	Thosar Ankita Babasaheb	65	TE	A&R	
9	Kedar Shruhi Nandu	28	TE	A&R	
10	Mansuk Shubhangi Balasaheb	34	TE	A&R	
11	Londge Tonaya Sanjay	33	TE	A&R	T.S. Londge
12	Karpe Pranali Tukaram	25	TE	A&R	
13	Londge Pranjali Dattatray	32	TE	A&R	
14	Kachale Snehal Ankush	21	TE	A&R	
15	Thorat Shraddha Dages	63	TE	A&R	
16	Thokale Shreyas Sudhakar	61	TE	A&R	
17	Gavande Rutuja Dashrath	13	TE	A&R	
18	Wable Shraddha Ashok	68	TE	A&R	
19	Unde Monika chimaji	66	TE	A&R	
20	Gadge Om dyandev	11	TE	A&R	
21	Tajane Ishwari Nitin	55	TE	A&R	
22	Pawar Sakshi Sandip	42	TE	A and R	
23	Walave Rutuja Dattatraya	41	TE	A&R	
24	Gorde Aditi Satish	14	TE	A&R	



Amrutvahini College of Engineering, Sangamner
DEPARTMENT OF AUTOMATION AND ROBOTICS
STUDENTS' ASSOCIATION OF AUTOMATION AND ROBOTICS



Sr. No.	Name of the Student	Roll No.	Class	Dept.	Sign
25	Pawar Divya Basku	40	TE	A R	
26	Rahane Tanuja	45	TE	A R	
27	Thore Rohit Chandrakant	64	TE	A SR	
28	Gwve Aditra	15	TE	A FR	
29	Hase Onkare Balu	28	TE	A PR	
30	Ushir Mayur Balasaheb	61	TE	A & R	
31	Jadhav Rosh Tulcaran	20	T.E	A & R	
32	Shelke omkar Rajlax	50	T.E	A & R	
33	Pable Dnyaneshwar Dattatray (37)		TE	A & R	
34	lalakechaure Aditya Sanjay	70	TE	A & R	
35	chutke Prathmesh Dattatray	06	TE	A & R	
36	Takate Pragati Jagdish	56	TE	A & R	
37	Dhawane Pooja Sitaram	52	TE	A & R	
38	Deshmukh Kartik Anil	79	TE	A & R	
39	Thitame Kartik Santosh	60	T.E	A & R	
40	patil Ganesh Yogesh	39	T.E	A & R	
41	Gunjal Om Rajesh	16	T.E	A & R	
42	Hajare Nitin Laxman	17	TE	A & R	
43	Dighe Aniket Laxman	10	TE	A & R	
44	Kakad Abhishek Saty	22	TE	A & R	
45	Karle Rushikesh Shivshankar	24	TE	A & R	
46	Kale Abhishek Subhash	23	TE	A & R	
47	Pocure Adesh Ramesh	43	TE	A & R	
48	Kawade Ganesh popat	26	TE	A & R	
49	Onkar R. Shelke	72	T.E	A & R	
50	Ashutosh Bhausaheb Naule	36	TE	A & R	



Day II

Amrutvahini College of Engineering, Sangamner
DEPARTMENT OF AUTOMATION AND ROBOTICS
STUDENTS' ASSOCIATION OF AUTOMATION AND ROBOTICS



Title: Two days workshop on (Robot operating system(ROS))

Date/Time: 3 & 4 April 24 [sponsored by - RSIA Association with Autmax Robotics Pvt Ltd.]

Sr. No.	Name of the Student	Roll No.	Class	Dept.	Sign
1	Bhagwat Akshada Balasaheb	1	TE	A/R	<u>Bhagwat</u>
2		2			
3	Bibave Kanchan Dipak	3	TE	A/R	<u>Bibave</u>
4	Borkar chaitanya Sanjay	4	TE	A/R	<u>Borkar</u>
5	yash machindra chavhan	5	TE	A/R	<u>Yash</u>
6	chutke prathamesh Dattatray	6	TE	A/R	<u>Chutke</u>
7		7			
8		8			
9		9			
10	Dighe Aniket laxman	10	TE	A/R	<u>Dighe</u>
11	Gadge Om chandev	11	TE	A/R	<u>Gadge</u>
12		12			
13	Gavande Rutuja Dashrath	13	TE	A/R	<u>Gavande</u>
14	Gorde Aditi Satish	14	TE	A/R	<u>Gorde</u>
15	Gulve Aditya Sunil	15	TE	A/R	<u>Gulve</u>
16	Gunjal Om Rajesh	16	TE	A/R	<u>Gunjal</u>
17	Havare Nikhil Laxman	17	TE	A/R	<u>Havare</u>
18	Hase Onkar Balu	18	TE	A/R	<u>Hase</u>
19	Ingale sneha sanjay	19	TE	A/R	<u>Ingale</u>
20	Jadhav Yash Tukaram	20	TE	A/R	<u>Jadhav</u>
21	Kachale Snehal Ankush	21	TE	A/R	<u>Kachale</u>
22	Kalkad Abhishek . S	22	TE	A/R	<u>Kalkad</u>
23	Kale Abhishek . S	23	TE	A/R	<u>Kale</u>
24	Kale Rushikesh . S	24	TE	A/R	<u>Kale</u>



Amrutvahini College of Engineering, Sangamner
DEPARTMENT OF AUTOMATION AND ROBOTICS
STUDENTS' ASSOCIATION OF AUTOMATION AND ROBOTICS



Sr. No.	Name of the Student	Roll No.	Class	Dept.	Sign
25	Kalpe Pranali Tukarom	25	TE	A&R	<u>Palkar</u>
		26			
27	Kawade Prasad Sham	27	TE	A&R	<u>Prade</u>
28)	Shruti Nandu kedar	28	TE	A&R	<u>Shruti</u>
		29			
30)	Khilari Punom Abaji	30	TE	A&R	<u>Khilari</u>
		31			
32	Landge Pranjali Dattatray	32	TE	A&R	<u>Pranjali</u>
33	Landge Tanaya Sanjay	33	TE	A&R	<u>T.S. Landge</u>
34	Mansuk Shubhangi Balasaheb	34	TE	A&R	<u>Mansuk</u>
35		35			
36	Mule Ashutosh Bhausaheb.	36	TE	A&R	<u>Ashutosh</u>
37		37			
38	Nikhil Nilesh Pagare	38	TE	A&R	<u>Nikhil</u>
39	Patil Ganesh Rajesh	39	TE	A&R	<u>Patil</u>
40	Pawar Divya Barku	40	TE	A&R	<u>Pawar</u>
		41			
42	Pawar Sakshi Sandip	42	TE	A&R	<u>Sakshi</u>
43	Pawase Adesh Ramesh	43	TE	A&R	<u>Adesh</u>
44	Panmal Sanjay Pokharkar	44	TE	A&R	<u>Panmal</u>
45	Rahane Tanuja Goraksh	45	TE	A&R	<u>Gonuja</u>
		46			
		47			
48	Sengale Shrish Baban	48	TE	A&R	<u>Shrish</u>
		49			
50	Shelke Omkar Kailas	50	TE	A&R	<u>Omkar</u>

[illegible]



Proposal for ROS Workshop



To,
The Principal,
Amrutvahini College of Engineering
Sangamner, 422608

Kind Attention: Dr.V.B. Shinde (HOD Robotics and Automation)

Subject: Proposal for ROS Workshop

Respected sir,

Welcome to AutoMax Robotics where innovation meets automation to redefine the future of industries. As a cutting-edge robotics and automation start up, we pride ourselves on pushing the boundaries of technology to create intelligent solutions that transform businesses. Our team of visionary engineers and experts is dedicated to designing and implementing state-of-the-art robotic systems that optimize efficiency, increase productivity, and enhance overall performance across various sectors. From advanced industrial automation to customizable robotic solutions, we are committed to revolutionizing the way businesses operate. At AutoMax Robotics, we believe in the power of automation to unlock new possibilities and drive unparalleled success for our clients. Join us on the journey towards a smarter, more automated future.

We are eager to meet the requirements of most institutions for their robotics lab setup. We can assist them in lab setup with various components such as pneumatic hydraulic research facilities robots, Didactic system lift trainer kit and numerous automation systems.

"Your invaluable partnership fuels our growth journey, where automation is the key strength shaping a transformative future.", We extend our thanks for granting us this opportunity and applaud your dedication to fostering an innovation platform for emerging engineers.

Our objective –

1. Empowerment:

Empower aspiring engineers with advanced skills in robotics and automation.

2. Practical Learning:

Provide hands-on experience to bridge the gap between theory and application.

3. Innovation Focus:

Cultivate innovation, critical thinking, and problem-solving in a dynamic learning environment.

4. Comprehensive Curriculum:

Deliver curated courses and workshops covering the latest in robotics and automation.

5. Future Workforce Ready:

Prepare participants for the evolving demands of the workforce.

6. Global Impact:

Reach and empower a diverse, global community of learners.

Committing to consistently deliver the highest quality service.

Thanking You,

With regards,

AutoMax Robotics Pvt Ltd

Prices –

Sr No	Product Name	Days	Total Price
1	ROS Hands on Training Workshop	2	₹ 15,000
		Grand Total (Without GST)	₹ 15,000
		Grand Total (With GST)	₹ 17,700

AGENDA

1. ROS Workshop

Day	Module	Key Learning
Day 1	Introduction to ROS	1) Introduction to Robotics 2) ROS in the world of Robotics. 3) Virtualize Ubuntu & Install Ros 4) ROS file system, packages, nodes, launch files 5) Hands-on programming with Publishers-Subscribers, services.
Day 2	Gazebo Sim (Turtlesim, Arm Robot Modelling), Self-Driving Robots	1) Gazebo as a dynamic simulator 2) Turtles Test-drive 3) Move it for application development. 4) Self-driving robots. 5) Sensors used in navigation. 6) Move base as a Navigation Framework 7) Demonstration of Hardware

Terms & Conditions

- ✚ The Prices are valid till 10 days from date of Quotation
- ✚ The Computer required for working of software to be arranged by Organisation.
- ✚ **Payment:** - 50% Advance along with Purchase Order & 50% against delivery of training
- ✚ **Hospitality** – Stay and food arrangement for the two trainers should be arrange by the College.

Tax Invoice

<b style="font-size: 1.2em;">Automax Robotics Pvt Ltd Office No.1, Sr.No.43/2A Swami Samarth Lane No.3 Dattanagar, Above blue dart office, Ambegaon, Pune Maharashtra 411046 Phone no.: 8830390941 Email: dbjadhav@automaxrobotics.com GSTIN: 27AAZCA9148B1Z8 State: 27-Maharashtra				Invoice No. 2024-2025/01		Date 04-04-2024	
				Place of supply 27-Maharashtra			
Bill To Amrutvahini College of Engineering Near, Pune - Nashik Hwy, Sangamner, Ghulewadi, Maharashtra 422608 Contact No. : 9834106902				Ship To Near, Pune - Nashik Hwy, Sangamner, Ghulewadi, Maharashtra 422608			
#	Item name	HSN/ SAC	Quantity	Unit	Price/ Unit	GST	Amount
1	ROS Training Workshop	9992	2	Days	₹ 7,500.00	₹ 2,700.00 (18%)	₹ 17,700.00
	Total		2			₹ 2,700.00	₹ 17,700.00
Invoice Amount In Words Seventeen Thousand Seven Hundred Rupees only				Amounts Sub Total ₹ 17,700.00 Total ₹ 17,700.00 Received ₹ 0.00 Balance ₹ 17,700.00			
HSN/ SAC	Taxable amount	CGST		SGST		Total Tax Amount	
		Rate	Amount	Rate	Amount		
9992	₹ 15,000.00	9%	₹ 1,350.00	9%	₹ 1,350.00	₹ 2,700.00	
Total	₹ 15,000.00		₹ 1,350.00		₹ 1,350.00	₹ 2,700.00	
Bank Details Name : AXIS BANK, AMBEGAON Account No. : 924020010786960 IFSC code : UTIB0003058 Account holder's name : Automax Robotics Private Limited		Terms and conditions Thanks for doing business with us!		For : Automax Robotics Pvt Ltd Authorized Signatory			

DEBIT VOUCHER

Amrutvahini Sheti & Shikshan Vikas Sanstha's

AMRUTVAHINI COLLEGE OF ENGINEERING, SANGAMNER

P.O.SANGAMNER S.K. (422 608), Tal.- Sangamner, Dist.A'Nagar

Voucher No.

Date 12/04/2024

Shri. The Robotics Society Place

Debit Membership fee. Auto. Deft. A/c.

Rs. 17700/- Amount paid as per following particulars.

	Rupees	Ps.
	17700/-	
Being the amount is paid		
as per Sanction Bill by		
Ch.No. 193402 (U-c) (Payment)		
Amount In words Seventeen thousand seven		
hundred only	Total- 17700/-	

Received through Cash / Cheque.

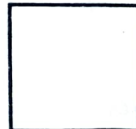
B.O.
Clerk

Accountant

Registrar

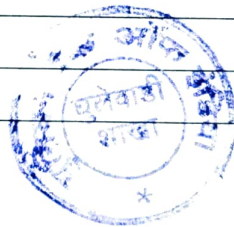
Principal

Signature



Please Issue :- RTGS/NEFT/DD

Name of Applicant	:	Amrutvahini College of Engineering, Sangamner
Applicant Account No.	:	322501010033387 (Account Type – Current)
Applicant Ch. No.	:	193402 – 12.04.2024
Pl. Transfer Amount	:	Rs.17,700/-
In Word Rs.	:	Seventeen thousand seven hundred only.
Name of Bank	:	Axis bank
Branch	:	Ambegaon
RTGS Code Number	:	
IFSC Code Number	:	UTIB0003058
Account Number	:	924020010786960
Account Holder Name	:	Automax Robotics pvt ltd




(Signature)

Ref: AE/RA/R/2023-24/142

Date: 05-04-2024

To,

The Principal,

Amruthavani College of Engineering,

Sangamner.

subject: Permission to release the payment of "Robot operating System" (2 Days Workshop conducted from 03-04-2024 to 04-04-2024.)

Respected Sir,

We the department of Automation and Robotics were conducted 2 days' workshop "Robot Operating System" successfully from 03-04-2024 to 04-04-2024. Automax Robotics Pvt. Ltd. Conducted the event in which 65 students participated and this event is funded and sanctioned (Rs.15000/-) by "The Robotics Society of India", But initially we have to pay workshop fee to above agency through college account.

Hence, we request you to allow for the same.

Thank You,

Your Faithfully,


Er. Wakchaure P.B./Er. Bangar Sunil K.

(Automation & Robotics Dept.)

R/sir,

Kindly direct accounts
to release the said amount

Rs 15,000 + GST

24/04/24

R/sir

TRS has sanctioned our proposal and Rs 15000/-
granted for conducting the event, which will be
reimbursed after the submission of all the bills
and completion report. So kindly requested to
release the amount of Rs 15000 + GST

24/04/24

Enclosed -

① TRS sanction letter

② Invoice - Automax Robotics Pvt Ltd.

Autx

all record

6/4/24

All India Council For Technical Education
Nelson Mandela Marg, Vasant Kunj, New Delhi – 110070

Mandate Form for Institute/ College/ University/ Other Organization

1	Name of the Beneficiary firm	Amrutvahini college of engineering, Amrutnagar
2	Permanent ID of Institute, if any	1-7576531
3	Head of Institute (Tick One)	DIRECTOR/ REGISTRAR/ PRINCIPAL ✓
4	Type of Institute	GOVT./ GOVT.AIDED/ SELF FINANCE ✓
5	Address of the Institute	Amrutnagar.P.O.Sangamner(S.K) 422608, Dist-Ahmednagar (M.S)
6	PAN No. of the institute	AAATA7721N
7	GST No., if allotted	-
8	E-mail id of Head of Institute	principal@avcoe.org
9	Name of the Bank	Union bank of india
10	Branch Name & Bank Code	Ghulewadi
11	Address of Bank with PIN Code	AT & POST GHULEWADI, TALUKA SANGAMNER, DIST. AHMEDNAGAR, PIN - 422 605.
12	Telephone No. of the Bank	02425-225293
13	Name of the Account Holder with Designation	AMRUTVAHINI COLLEGE OF ENGINEERING SANGAMNER ✓
14	Account Type (Tick one)	CURRENT/ SAVINGS
15	Account Number	322501010033387
16	Bank Branch IFSC Code	UBIN0532258
17	Bank Branch MICR Code	422026204
18	Whether the Account in the Name of Beneficiary Institute (Tick One)	YES/ NO ✓
19	Whether the Account is Operational (Tick One)	YES/ NO ✓
20	Whether the Account is No-Frill Account (Tick One)	YES/ NO ✓
21	Whether the Account is a Joint Account (if yes, give details)	YES/ NO ✓

It is declared that all the information proved above are true and complete in all respects.

Signature of Account Holder with Designation

Certified that the above details are verified

Or Authorised Signatory


PRINCIPAL
Amrutvahini College Of Engg.
SANGAMNER - 422 608
Dist. Ahmednagar (M.S.)

Date: 25/11/2022

on (date) 25/11/2022


Banker's Signature with Seal
FOR - UNION BANK OF INDIA
Accountant/Br. Manager, Ghulewadi Br.
प्रबंधक, घुलेवाडी शाखा