



SITAMS
SREENIVASA INSTITUTE OF
TECHNOLOGY AND MANAGEMENT STUDIES



**INSTITUTION'S
INNOVATION
COUNCIL**
(Ministry of Education Initiative)

DEPARTMENT OF MECHANICAL ENGINEERING
(MECHANICAL ENGINEERING DEPARTMENT ASSOCIATION- MEDA)

A SESSION ON

**"INNOVATION/PROTOTYPE VALIDATION-
CONVERTING INNOVATION INTO A START-UP"**

UNLEASHING INNOVATION: THE POWER OF PROTOTYPES INTO STARTUPS



MS.KALAIVANI K
Assistant Professor & HEAD
Department of Commerce
AUXILIUM COLLEGE
(AUTONOMOUS) Vellore, TN

PATRON

Sri.K.Ranganadham,
Chairman

CO-PATRON
Dr.K.L.Narayana
Academic Advisor

SESSION CHAIR
Dr.N.Venkatachalapathi
Principal

CO-CHAIR
Dr.M.Saravanan
Dean Academics

CO-CHAIR
Dr.S.Rajesh
COE

CONVENER
Mr. N. Sathish Kumar
HOD/Mech

CO-CONVENER
Mr. R.Satheesh
Asso. Professor/Mech

COORDINATOR
Ms.K.Santhosh Priya
Asst. Professor/Mech



FRIDAY
9/AUG/2024



TIME
10:00 AM

MODE
Online!



ALL UG/PG
STUDENTS/FACULTIES

SREENIVASA INSTITUTE OF TECHNOLOGY AND MANAGEMENT STUDIES



**SREENIVASA INSTITUTE OF TECHNOLOGY
AND MANAGEMENT STUDIES
(SITAMS)
(AUTONOMOUS)
Department of Mechanical Engineering
(Mechanical Engineering Department Association- MEDA)**



Institution's Innovation Council (IIC)

A Seminar

On

Unleashing Innovation: The Power of Prototypes into Start-ups”

(INNOVATION / PROTOTYPE VALIDATION – CONVERTING INNOVATION INTO A START-UP)

Introduction: On 9th August 2024, a Session on “Unleashing Innovation: The Power of Prototypes into Start-ups” was organized by Department of Mechanical Engineering and association with Institution's Innovation Council (IIC), SITAMS. Mrs.K.Kalavani Assistant Professor and Head-Department of Commerce, Auxilium College, Affiliated by Thiruvalluvar University, Vellore acted as a resource person for this event.

She has briefed about the innovations into startups, also briefly mentioned about state and central law's and points about to be the key factors in the growth of Andhra Pradesh's startups is that it is the house of entrepreneurs and mentors. The Food Bowl of India's Andhra Pradesh has now fastened its seats to be counted among the startup hubs. Andhra Pradesh has made slow and steady progress in terms of the startup ecosystem and how the government has actively participated in the rise of startups. And about our missions at AP Startups is to make Andhra Pradesh's Startup Ecosystem and all the key information how its more digitally visible and accessible to all and finally this session ended with a good note.

Speaker Details	: Mrs.K.Kalavani, Assistant Professor and Head Department of Commerce, Auxilium College, Affiliated by Thiruvalluvar University, Vellore. TN.
Covenor	: Mr.N.Sathish Kumar, HOD, Dept.of Mech.Engg. SITAMS.
Co Covenor	: Mr.R.Satheesh, Associate Professor, Dept.of Mech.Engg. SITAMS.
Coordinator	: Ms.K.Santhosh Priya, Assistant Professor, Dept.of Mech.Engg. SITAMS.
President IIC	: Dr. M. Saravanan, Professor, Academic Dean, SITAMS
Date	: 9-8-2024
Venue	: On-Line
Target Audience	: All the Engineering, Management students and Faculty Members.

Office Order



**Sreenivasa Institute of Technology and Management Studies
(An Autonomous Institution, Affiliated to JNTUA, Ananthapuramu)**

Approved by AICTE, New Delhi

Dr.D.Audikesavulu Marg, Murukambattu, Chittoor-517127

SITAMS/Seminar/ 2024-25

Dt. 6th Aug 2024

OFFICE ORDER

The Department of Mechanical Engineering in association with IIC has proposed to conduct a seminar and is approved.

The Title of the Session is **“UNLEASHING INNOVATION: The Power of Prototypes into Startups”** and is scheduled on 9th August 2024 at 10.00AM.

The target participants for this event are all the students, faculty members of management and engineering.

An amount of Rs.3000/- (Rupees Three Thousand only) towards honorarium to the expert / speaker


PRINCIPAL

Copy Submitted to:
Corresponding Head
Dean Academics
IQAC Cell
Account Section
Establishment section

Registration Details and Meeting ID

SITAMS – MEDA Associated with IIC inviting you to a scheduled Google meeting.

The Registration Link: <https://forms.gle/EqijcDH1vq3BD4ra7>

Join Google Meet Link (on 9th Aug 2024): <meet.google.com/eab-kevy-tkh>

Registration Details:

Timestamp	Name of the Faculty Members (with Designation & Department)	Name of the Students	Registered Number	Course	Branch	E-Mail
8/7/2024 11:54	R SATHEESH, (Asso. Prof.- ME)				Mechanical Engg.	rsatheeshemailsitams@gmail.com
8/8/2024 9:38	Kovelakuntla sumalatha (Asst.Prof.-Civil)				Civil Engg.	Kovelakuntla.Suma@gmail.com
8/8/2024 9:47		K. Bhavya	22751A0101	B.Tech	Civil Engg.	K4850741@gmail.com
8/8/2024 9:59	K Santhosh Priya (Asst.Prof.-ME)				Mechanical Engg.	Ksanthoshini.21@gmail.com
8/8/2024 10:06		Hema chandra	22751A05D0	B.Tech	Computer Science Engg.	hema200425@gmail.com
8/8/2024 10:06		S.parijatha	23755A0511	B.Tech	Computer Science Engg.	parijathas302@gmail.com
8/8/2024 10:06		K GUNASEKHAR	22755A0302	B.Tech	Mechanical Engg.	gunasekharmech19@gmail.com
8/8/2024 10:06		Dinesh Reddy	22751a05f4	B.Tech	Computer Science Engg.	dineshkumarreddy445@gmail.com
8/8/2024 10:06		Siddaka vijitha	22751A05F1	B.Tech	Computer Science Engg.	siddakavijitha662@gmail.com
8/8/2024 10:06		S Benarji	22751A05D3	B.Tech	Computer Science Engg.	bennupandu2021614@gmail.com
8/8/2024 10:06		S.parijatha	23755A0511	B.Tech	Computer Science Engg.	parijathas302@gmail.com
8/8/2024 10:07		V GOKUL	22755A0306	B.Tech	Mechanical Engg.	gv4666908@gmail.com
8/8/2024 10:07	V.P.Manikandan (Asst.Prof.-CSE)			B.Tech	Computer Science Engg.	manevp2003@gmail.com
8/8/2024 10:07		Nandini	22751A05H3	B.Tech	Computer Science Engg.	assu4613@gmail.com
8/8/2024 10:08		S. Pavan	22751A0303	B.Tech	Mechanical Engg.	pp8150828@gmail.com
8/8/2024 10:08		Vullikanti sainathreddy	22751A05H2	B.Tech	Computer Science Engg.	vullikantisainathreddy730@gmail.com
8/8/2024 10:08		GORANTLA PUNITH	22755A0301	B.Tech	Mechanical Engg.	gorantlapunith@gmail.com
8/8/2024 10:09		Y.Chandrasekhar	22751a05h4	B.Tech	Computer Science Engg.	c6243905@gmail.com
8/8/2024 10:09		E Prem Shervin	21751A0303	B.Tech	Mechanical Engg.	shervinprem@gmail.com
8/8/2024 10:22		Kanchi Thejesh Reddy	22751A0572	B.Tech	Computer Science Engg.	thejeshtheju2525@gmail.com
8/8/2024 10:31		P.Salma	22751A05B4	B.Tech	Computer Science Engg.	palagirisalma123@gmail.com

8/8/2024 10:31		M.Rahul	22751A0588	B.Tech	Computer Science Engg.	jdrahul169@gmail.com
8/8/2024 10:32		K R SARAVANADEEP	22751A0561	B.Tech	Computer Science Engg.	krsaravana4321@gmail.com
8/8/2024 10:32		P.Vijaya	23755a0505	B.Tech	Computer Science Engg.	pvijaya7997@gmail.com
8/8/2024 10:32		PS Jyoshna Sai	22751A05B0	B.Tech	Computer Science Engg.	jyoshnasai1512@gmail.com
8/8/2024 10:33		Ravi Teja	22751A05A1	B.Tech	Computer Science Engg.	neeliraviteja5864@gmail.com
8/8/2024 10:33		PUTTHA VIGNESWAR REDDY	23755A0506	B.Tech	Computer Science Engg.	Putthavigneswarreddy@gmail.com
8/8/2024 10:33		SANKURI.ARUNRAGHAV	23755A0508	B.Tech	Computer Science Engg.	Sankuriarun783@gmail.com
8/8/2024 10:34		N.Harini	22751A0599	B.Tech	Computer Science Engg.	nadellaharini67@gmail.com
8/8/2024 10:34		K V Harshitha	22751A0566	B.Tech	Computer Science Engg.	harshithakvharshu30@gmail.com
8/8/2024 10:34		P.salma	22751A05B4	B.Tech	Computer Science Engg.	palagirisalma123@gmail.com
8/8/2024 10:36		Karavala Dilli prasanna	22751A0573	B.Tech	Computer Science Engg.	Kdilliprasannaprasanna@gmail.com
8/8/2024 10:36		M.Gnapika	22751A0583	B.Tech	Computer Science Engg.	gnapikareddy01@gmail.com
8/8/2024 10:37		P Swathi	22751A05B2	B.Tech	Computer Science Engg.	swathi.ctr2004@gmail.com
8/8/2024 10:38		P. Sasi	22751A05B5	B.Tech	Computer Science Engg.	palamandasasi2607@gmail.com
8/8/2024 10:39		KAMATAM SARANYA	22751A0570	B.Tech	Computer Science Engg.	kamatamsaranya@gmail.com
8/8/2024 10:39		P Lekhaa Reddy	22751A05A6	B.Tech	Computer Science Engg.	lekhaareddypakala@gmail.com
8/8/2024 10:43		K SWAPNA	22751A0565	B.Tech	Computer Science Engg.	swapnareddy19811@gmail.com
8/8/2024 11:14		K.Eswari	22751A0582	B.Tech	Computer Science Engg.	keswari2004@gmail.com
8/8/2024 11:18		V.chandukumar	22751A05G1	B.Tech	Computer Science Engg.	chanduvandavasi@gmail.com
8/8/2024 11:18		Vishunu Vardhan Reddy N	22751A05H1	B.Tech	Computer Science Engg.	np.vishunuvardhanreddy@gmail.com
8/8/2024 11:21		P.jahnavi	22751A05B9	B.Tech	Computer Science Engg.	pashyavalajahnavi@gmail.com
8/8/2024 11:54	K SHOBHARANI (Asst. Prof.-EEE)			B.Tech	Electrical and Electronics Engg.	shobhavysu111@gmail.com
8/8/2024 11:58		K vinod	22751A05A2	B.Tech	Computer Science Engg.	vjvinodvjvinod@gmail.com
8/8/2024 13:05		B.Nandini	23751A3117	B.Tech	Artificial Intelligence	bejawadanandini59@gmail.com
8/8/2024 14:14	G.Geethanjali (Asst. Prof.-ECE)			B.Tech	Electronics and Communication Engg.	ggeethanjali4594@gmail.com
8/8/2024 14:18	P. Sindhuja (Teaching Assistant-EEE)			Other Degree	Electrical and Electronics Engg.	Sindhupapa66@gmail.com
8/8/2024 14:32		S JAVEED BHASHA	22755A0305	B.Tech	Mechanical Engg.	sjaveedbashajaveed7866@gmail.com
8/8/2024 14:33		R.Harsha Vardhan	22755A0304	B.Tech	Mechanical Engg.	harsharvardhan18@gmail.com
8/8/2024 15:02		P. THARAK THEJA	21751A0306	B.Tech	Mechanical Engg.	tharakteja2001@gmail.com
8/8/2024 15:46		P.sai bharath	21751A0307	B.Tech	Mechanical Engg.	saibharath0307@gmail.com
8/8/2024 16:18		D.G.Sathya narayana	21751A0302	B.Tech	Mechanical Engg.	devathasumathi@gmail.com

8/8/2024 16:34		Samudrala Kokila	22751A3157	B.Tech	Artificial Intelligence	kokilasamudrala@gmail.com
8/8/2024 17:36		Pokala saikumar		MBA	Business Management	saikumarpokala209@gmail.com
8/8/2024 19:48		KM MOHAMMED YOUSUF	23755A0301	B.Tech	Mechanical Engg.	5123mohammedyousuf@gmail.com
8/8/2024 19:49		KANCHI THEJESH REDDY	22751A0572	B.Tech	Computer Science Engg.	Thejeshtheju2525@gmail.com
8/8/2024 21:16	Dr. C. Kavitha (Asso. Prof.-ECE)				Electronics and Communication Engg.	ckavithaece@gmail.com
8/8/2024 21:40		S.Dhanush	23755A0302	B.Tech	Mechanical Engg.	dhanushvijaya1@gmail.com
8/8/2024 22:19		M NISHEETHA	21751A3118	B.Tech	Artificial Intelligence	nisheetha2004@gmail.com

Session (Students) Attendance:

10:22 AM

eab-kevy-tkh

People Information Activities

In call

SATHEESH R (You)

Meeting host

SATHEESH R

Meeting host

Ayesha D2

Babu beulah

Chaitanya Chaithu

Chandrasekhar

chandukumar -G1

Damodhar Reddy

Dhanush Vijaya

dinesh

Gowtham Chowd

You

K

4

45

10:22 AM

eab-kevy-tkh

People Information Activities

Gowtham Chowdary

Guna Sekhar

Jasmin Shaik

K.Madhu sudhan

KALAIVANI K

Karishma 5C0

Kiran Yadhav

Kovelakuntla Sumalatha

M Uttej

Mani Vp

NITHIN R (C7) CS

Pavan Pavan

10:22 AM

eab-kevy-tkh

People Information Activities

Pavan Pavan

punith gaming

Puttha Vigneswarreddy

Rohith Reddy (C2)

S inthiyaz S inthiyaz

S Jafar

S Parijatha LE-511

S Radhika -E1

S Shalini - E2

S Swetha-f2

S. Venkatesh (Le

Sai bharath

10:22 AM

eab-kevy-tkh

People Information Activities

Sai bharath

Sai Sai

Sankuri Arun

santhosh priya

Shaik Firdauzefathima

Shaik mubarak

SUMATHI DEVATHA

THARAK

TWO BROS

V Gokul

Virandambattu V

Vishnu Vardhan C

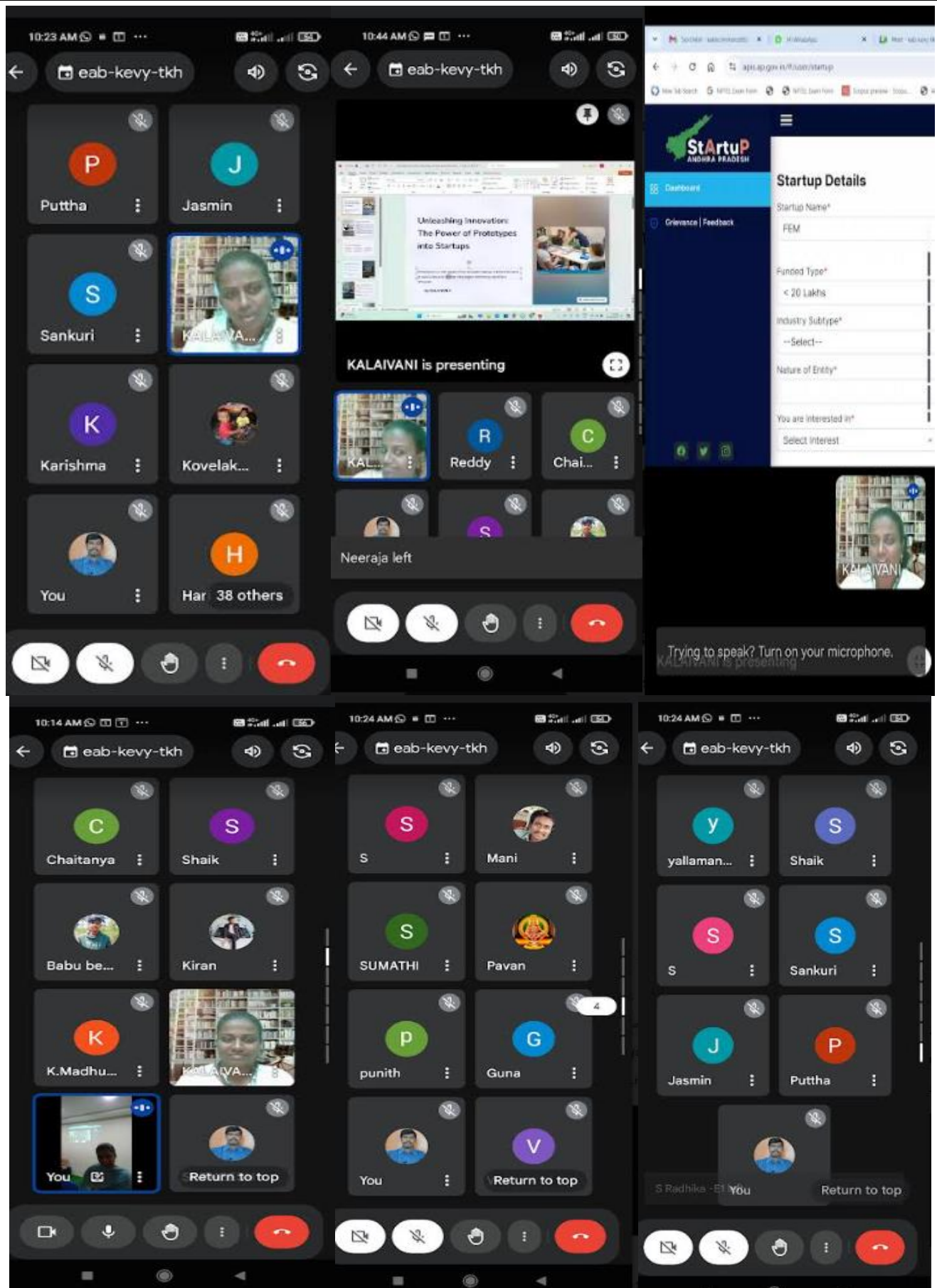
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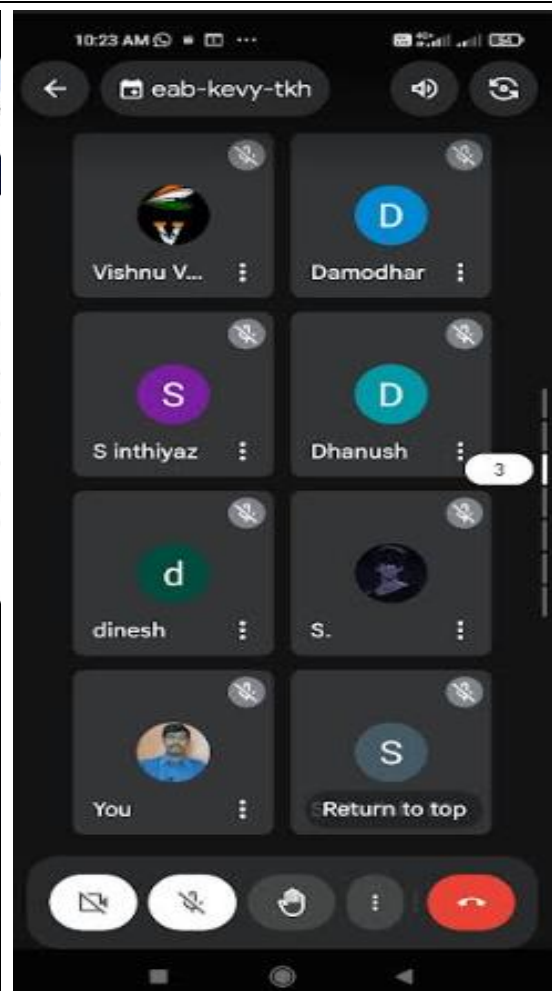
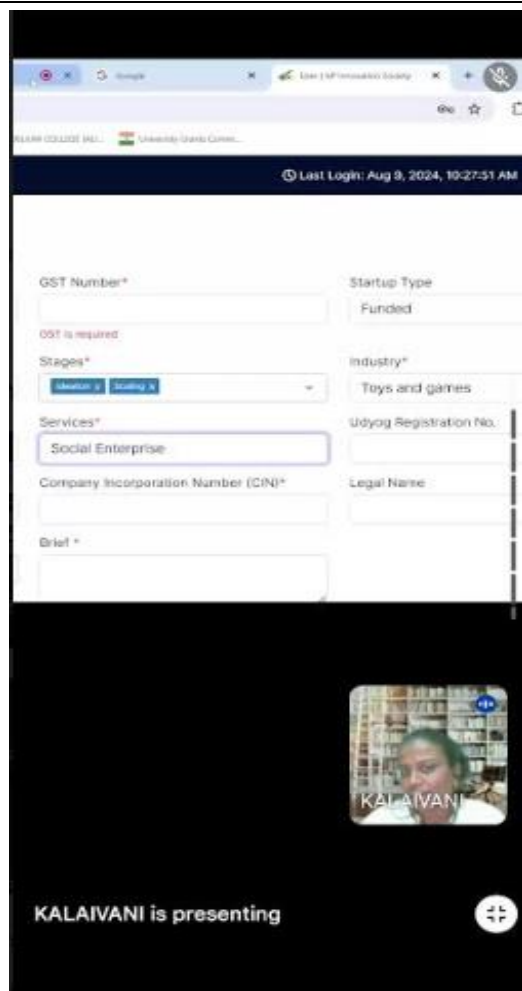
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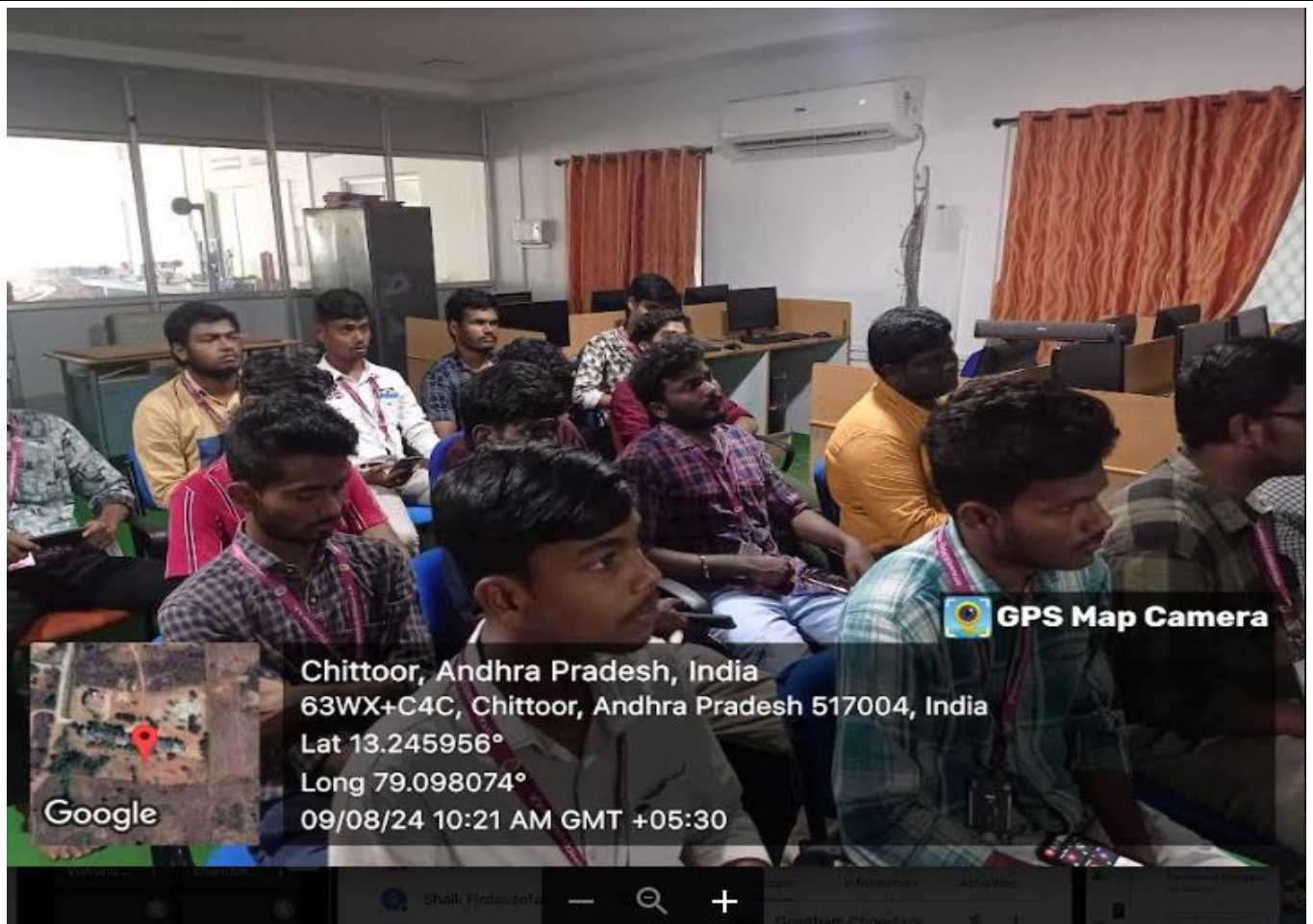
4

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Website: www.sitams.org
Website: www.sitams.org

Fax: 08572-246297
Fax: 08572-246297

SREENIVASA INSTITUTE OF TECHNOLOGY AND MANAGEMENT STUDIES
(AUTONOMOUS)

**Dr. Visweswaraiah Road, Bangalore – Tirupati Bye-pass Road,
Murukambattu, CHITTOOR – 517 127**

**(Approved by AICTE, New Delhi & Affiliated to JNT University, Anantapur)
Accredited by National Board of Accreditation, AICTE, New Delhi**

Date: 28-08-2024

Letter of Appreciation

This is to certify that, **Mrs.K.Kalavani**, Assistant Professor and Head-Department of Commerce, Auxilium College, Affiliated by Thiruvalluvar University, Vellore. TN, has delivered a session titled on **“Unleashing Innovation: The Power of Prototypes into Start-ups”** organized by Department of Mechanical Engineering in association with Institution's Innovation Council (IIC) on 9th August 2024. Her session is the great source of knowledge to our students and faculty members. On behalf of the Institution, I thank him for his valuable presentation.

Thanking You

Principal

(Dr.N.Venkatachalapathi)
PRINCIPAL

Sreenivasa Institute of Technology
and Management Studies
(AUTONOMOUS)
CHITTOOR - 517127.

Dr. D K Audikesavulu Marg (Bangalore-Tirupathi Bye-Pass Road), Murukambattu Post, CHITTOOR-517127.

Phone No: 08572-246298, 246299, Fax: 08572-246297

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E-Mail: principal@sitams.org

Website: www.sitams.org
Website: www.sitams.org

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**SREENIVASA INSTITUTE OF TECHNOLOGY AND MANAGEMENT STUDIES
(AUTONOMOUS)**

**Dr. Visweswaraiah Road, Bangalore – Tirupati Bye-pass Road,
Murukambattu, CHITTOOR – 517 127**

**(Approved by AICTE, New Delhi & Affiliated to JNT University, Anantapur)
Accredited by National Board of Accreditation, AICTE, New Delhi**

Date: 28-08-2024

Letter of Appreciation

This is to certify that **Mr. R.SATHEESH**, Associate Professor, Department of Mechanical Engineering, Sreenivasa Institute of Technology and Management Studies (SITAMS) has served as **Coordinator** for organizing a Session on “**Unleashing Innovation: The Power of Prototypes into Start-ups**” on 9th August 2024, organized by **Department of Mechanical Engineering** in association with **Institution’s Innovation Council (IIC)**, SITAMS, Chittoor.

Thanking You

Principal

**(Dr.N.Venkatachalapathi)
PRINCIPAL**

**Sreenivasa Institute of Technology
and Management Studies
(AUTONOMOUS)
CHITTOOR - 517127.**

Dr. D K Audikesavulu Marg (Bangalore-Tirupathi Bye-Pass Road), Murukambattu Post, CHITTOOR-517127.

Phone No: 08572-246298, 246299, Fax: 08572-246297

Website: www.sitams.org

E-Mail: principal@sitams.org



SITAMS
SREENIVASA INSTITUTE OF
TECHNOLOGY AND MANAGEMENT STUDIES



**INSTITUTION'S
INNOVATION
COUNCIL**
(Ministry of Education Initiative)



Department of Mechanical Engineering
(Mechanical Engineering Department Association- MEDA)

CERTIFICATE

OF PARTICIPATION

THIS CERTIFICATE IS PROUDLY PRESENTED TO

S JAVEED BHASHA

22755A0305

Appreciation of Participation In A Session On

***“Innovation/Prototype Validation -
Converting Innovation Into A Start-up”***

**Organized by Department of Mechanical Engineering and
Association with Institution's Innovation Council (IIC),
SREENIVASA INSTITUTE OF TECHNOLOGY AND
MANAGEMENT STUDIES, Chittoor on 9th August 2024.**

CONVENER

Mr. N. Sathish Kumar
HOD/Mech

CO-CONVENER

Mr. R. Satheesh
Asso. Professor/Mech

COORDINATOR

Ms. K. Santhosh Priya
Asst. Professor/Mech

SREENIVASA INSTITUTE OF TECHNOLOGY AND MANAGEMENT STUDIES



**SREENIVASA INSTITUTE OF TECHNOLOGY
AND MANAGEMENT STUDIES
(SITAMS)
(AUTONOMOUS)**

**Department of Mechanical Engineering
& Electrical and Electronics Engineering**



**A Seminar on
Underwater Robotics –Design and Control**



Resource Person

Dr Thiagarajan R, Assistant Professor, Department of Mechanical
Engineering, Indian Institute of Technology Tirupati,
Yerpedu-Venkatagiri Road, Yerpedu, Tirupati Dt. Andhra Pradesh 517619
Email: thiyagu@iittp.ac.in
thiyagu0589@gmail.com

DATE:
13-09-2024 (Friday)

VENUE:
**SITAMS-Mechical Seminar
Hall Gallery**

TIME:
10.00 AM to 1.00 PM

Patron

Sri.K.Ranganadham,
Chainman

Co-Patron

Dr.K.L.Narayana
Academic Advisor

Session Chair

Dr.N.Venkatachalapathi
Principal

Co-Chair

Dr.M.Saravanan
Dean Academics

Coordinantor

Mr.M.Yugandhar
Asst.Prof

Co-Coordinator

Mr.D.Raju
Asst.Prof

Mr. N. Satish Kumar
HOD/Mech
Convener

Dr.P.Sudheer
HOD/EEE
Co-Convener



SREENIVASA INSTITUTE OF TECHNOLOGY AND MANAGEMENT STUDIES

(AUTONOMOUS)

MURUKAMBATTU, CHITTOOR - 517 127, A.P.



Department of Mechanical Engineering & Electrical and Electronics Engineering

A Seminar on Underwater Robotics –Design and Control Challenges

Resource Person



Dr. Thiagarajan R

**Department of Mechanical Engineering,
Indian Institute of Technology,
Tirupati**

**Date :
13-09-2024 (Friday)**

**Venue :
SITAMS - Mechanical Seminar
Hall Gallery**

**Time :
10.00 Am to 1.00 PM**

Mr. N. Sathish Kumar
Convener, HOD - Mech

Dr. P. Sudheer
Co-Convener & HOD - EEE

Dr. M. Saravanan
Dean-Academics

Dr. N. Venkatachalapathi
Principal



**SREENIVASA INSTITUTE OF TECHNOLOGY
AND MANAGEMENT STUDIES
(SITAMS)
(AUTONOMOUS)**

Department of Mechanical Engineering
(Mechanical Engineering Department Association- MEDA)



Institution's Innovation Council (IIC)
A Seminar on
“Underwater Robotics – Design and Control”

Introduction:

On 13th Sep 2024, a Seminar on “Underwater Robotics – Design and Control” was organized by **Department of Mechanical Engineering & EEE** in Association with **Institution's Innovation Council (IIC)**, SITAMS. **Dr.Thiyagarajan R**, Assistant Professor, Department of Mechanical Engineering, Indian Institute of Technology, Tirupati, acted as a resource person for this event.

First of all, emphasis is placed on the description of structures and the analysis of their influence on the maneuverability of movement in a liquid. Various mechanisms of bringing underwater robots into motion are considered, approaches to modeling are described. A description and comparison of underwater mobile robots driven by screw propellers, depending on their number, location, and shape of the hull, is given, and the designs of robots implementing biosimilar motion in a liquid are considered in more detail. A comparison is made of the methods of movement in a liquid using screw propellers and with biosimilar or screwless methods of movement. An overview of the mechanisms used to form biosimilar movements is given, a description of the materials and properties of the hull characteristic of this type of underwater robots, as well as a description of the mechanism of movement in a liquid, taking into account resistance forces and buoyancy control. Particular attention is paid to the works devoted to the study of the shape of the tail of a fish-like robot, aimed at improving the efficiency of robot movement in liquid. The analysis made it possible to identify the strengths and weaknesses of the mechanisms used to implement biosimilar motion in a liquid. Based on the results of the analytical review, the typical structure of the underwater robot and the requirements to its components are considered. In conclusion, the current technical and scientific challenges facing researchers working on the creation of underwater robots operating both in autonomous and remotely controlled modes are discussed.

Speaker Details	: Dr.Thiyagarajan R, Assistant Professor, Department of Mechanical Engineering, Indian Institute of Technology, Tirupati.
Covenor	: Mr.N.Sathish Kumar, HOD, Dept.of Mech.Engg. SITAMS.
Co-Covenor	: Dr.P.Sudheer, HOD, Dept.of EEE. SITAMS.
Coordinator	: Mr.M.Yugandhar, Assistant Professor, Dept.of Mech.Engg. SITAMS.
Co-Coordinator	: Mr.D.Raju, Assistant Professor, Dept.of Mech.Engg. SITAMS.
President IIC	: Dr. M. Saravanan, Professor, Academic Dean, SITAMS
Date	: 13-09-2024
Venue	: Mechanical Seminar Hall
Target Audience	: All the Mechanical Engineering & EEE Students.

**Sreenivasa Institute of Technology and Management Studies (SITAMS)
Chittoor-517127**

SITAMS/Seminar/ 2024-25

Dt.09-09-2024

OFFICE ORDER

Department of Mechanical Engineering & Electrical and Electronics Engineering in association with **Institution's Innovation Council (IIC)** proposed to conduct a Seminar is approved.

The Title of the event is “**Underwater Robotics – Design and Control Challenges**” and is scheduled on 13th Sep, 2024 from 10.00 AM to 1.00 PM.

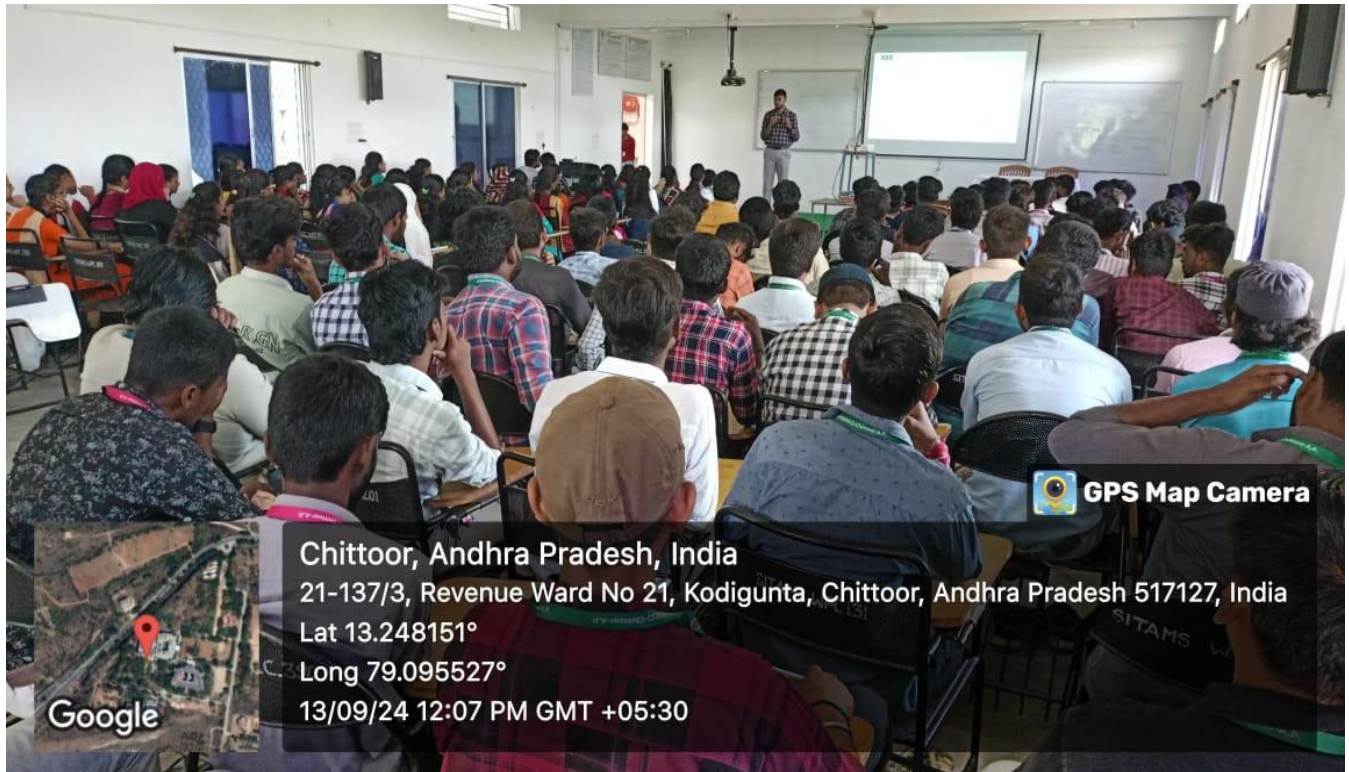
The target participants for this event are students from II B.Tech, III B.Tech and IV B.Tech Mechanical Engineering branch & II B.Tech, III B.Tech and IV B.Tech EEE.

An amount of Rs.7000/- (Rupees Seven Thousand only) towards Remuneration Rs.6000/- and other arrangements of Rs.1000/ is sanctioned. The Bills are to be submitted within one week of the completion of the program.

(Dr.N.VENKATACHALAPATHI)
Principal

Copy Submitted to:
Corresponding Head
Coordinators
IQAC & IIC
Account Section
Establishment section.







Sreenivasa Institute of Technology and Management Studies
Murukambattu, Chittoor – 517 127, Andhra Pradesh (Autonomous)
(Department of ECE, CSE, EEE, MCA- NBA Accredited) Affiliated to JNTUA,
Ananthapuramu

Certificate of Participation

This is to certify that Mr./Mrs. D.Bharath, Roll No. 21751A0301, from Sreenivasa Institute of Technology and Management studies has participated in one days seminar on “UnderWater Robotics- Design and Control ” held on 13th September 2024 Organized by Department of Mechanical Engineering at Sreenivasa Institute of Technology and Management Studies (SITAMS) Chittoor, Andhra Pradesh.

Dr. M.Yugandhar
Co-ordinator

Mr. N.Sathish kumar
Convenor

HOD/MECH

mk



**SREENIVASA INSTITUTE OF TECHNOLOGY
AND MANAGEMENT STUDIES
(SITAMS)
(AUTONOMOUS)
Department of Mechanical Engineering
& Civil Engineering**



**A Seminar on
How to Write a Journal Paper**



Resource Person

Dr B. Anjaneyulu, Associate Professor,
Department of Mechanical Engineering,
Srinivasa Ramanujan Institute of Technology,
Anantapuramu, Andhra Pradesh 515701
Email: anjan343@gmail.com

DATE:
28-09-2024 (Friday)

VENUE:
**SITAMS-Mechical Seminar
Hall Gallery**

TIME:
10.00 AM to 1.00 PM

Patron

Sri.K.Ranganadham,
Chainman

Co-Patron

Dr.K.L.Narayana
Academic Advisor

Session Chair

Dr.N.Venkatachalapathi
Principal

Co-Chair

Dr.M.Saravanan
Dean Academics

Coordiantor

Mr.D.Raju
Asst.Prof

Co-Coordinator

Mrs.K.Santhosh Priya
Asst.Prof

Mr. N. Satish Kumar
HOD/Mech
Convener



**SREENIVASA INSTITUTE OF TECHNOLOGY
AND MANAGEMENT STUDIES
(SITAMS)
(AUTONOMOUS)**

Department of Mechanical Engineering
(Mechanical Engineering Department Association- MEDA)



Institution's Innovation Council (IIC)
A Seminar on
"How to Write a Journal Paper"

Introduction:

On 28th Sep 2024, a Seminar on "How to write a Journal Paper" was organized by **Department of Mechanical Engineering & Civil** in Association with **Institution's Innovation Council (IIC), SITAMS**. **Dr.B.Anjaneyulu**, Associate Professor, Department of Mechanical Engineering, SRIT, acted as a resource person for this event.

Selecting the right topic is the first critical step in the research paper journey. An engaging and relevant topic captivates your interest and holds significance in your field of study. Here's some guidance to help you choose one:

- **Tap into Your Interests:** What subjects genuinely pique your curiosity? Passion fuels motivation and makes the research process more enjoyable.
- **Brainstorming Power:** Try mind-mapping, free writing, or talking with classmates about areas of interest. These techniques can spark unexpected ideas.
- **Course Connection:** Make sure your topic aligns with the course goals and assignments. Your professor can be a great resource for tailored guidance.

Speaker Details	: Dr.B.Anjaneyulu Associate Professor, Department of Mechanical Engineering, SRIT, Anantapuramu
Covenor	: Mr.N.Sathish Kumar, HOD, Dept.of Mech.Engg. SITAMS.
Coordinator	: Mr. D.Raju, Assistant Professor, Dept.of Mech.Engg. SITAMS.
Co-Coordinator	: Mr.K.Santhosh Priya, Assistant Professor, Dept.of Mech.Engg. SITAMS.
President IIC	: Dr. M. Saravanan, Professor, Academic Dean, SITAMS
Date	: 28-09-2024
Venue	: Mechanical Seminar Hall
Target Audience	: All the Mechanical Engineering & Civil Students.

Chittoor-517127

SITAMS/Seminar/ 2024-25

Dt.23-09-2024

OFFICE ORDER

Department of Mechanical Engineering & Civil Engineering in association with **Institution's Innovation Council (IIC)** proposed to conduct a Seminar is approved.

The Title of the event is **“How to write a Journal Paper”** and is scheduled on 28th Sep, 2024 from 10.00 AM to 1.00 PM.

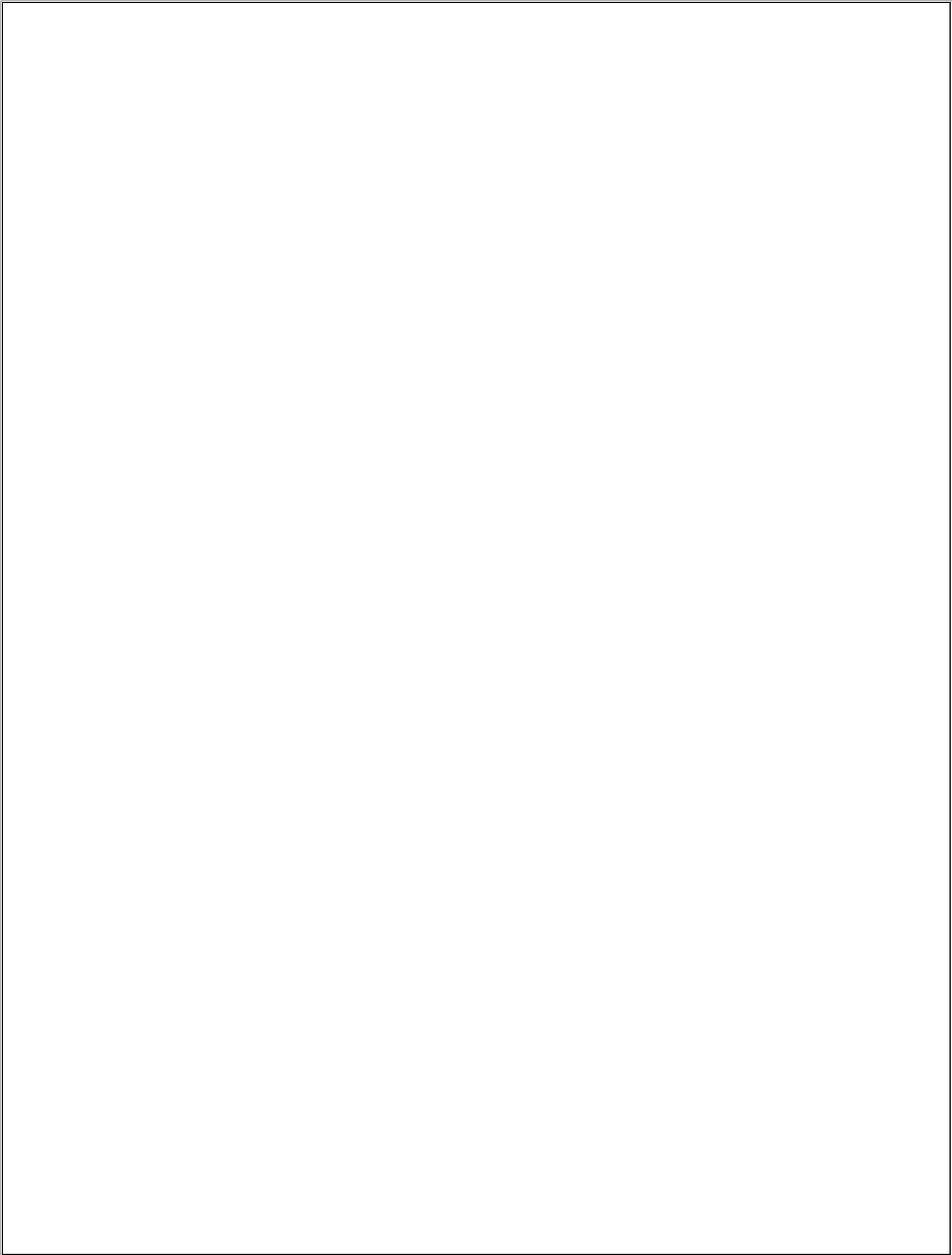
The target participants for this event are students from III B.Tech and IV B.Tech Mechanical Engineering branch & III B.Tech and IV B.Tech Civil.

An amount of Rs.3500/- (Rupees Three Thousand five hundred only) towards Remuneration Rs.3000/- and other arrangements of Rs.500/ is sanctioned. The Bills are to be submitted within one week of the completion of the program.

(Dr.N.VENKATACHALAPATHI)
Principal

Copy Submitted to:
Corresponding Head
Coordinators
IQAC & IIC
Account Section
Establishment section.







**SREENIVASA INSTITUTE OF TECHNOLOGY
AND MANAGEMENT STUDIES
(SITAMS)
(AUTONOMOUS)
Department of Mechanical Engineering
& Civil Engineering**



**A Seminar on
Current Booming Technology in IT Industry**

The picture can't be displayed.

Resource Person

Mr P.Prudhvee, Software Engineer,
Tata Consultancy Services,
Bangalore

**DATE:
26-10-2024
(Saturday)**

VENUE:
**SITAMS-Mechical Seminar
Hall Gallery**

**TIME:
10.00 AM to 1.00 PM**

Patron

Sri.K.Ranganadham,
Chainman

Co-Patron

Dr.K.L.Narayana
Academic Advisor

Session Chair

Dr.N.Venkatachalapathi
Principal

Co-Chair

Dr.M.Saravanan
Dean Academics

Coordinantor

Mr.D.Raju
Asst.Prof

Co-Coordinator

Mrs.K.Santhosh Priya
Asst.Prof

Mr. N. Satish Kumar
HOD/Mech
Convener



**SREENIVASA INSTITUTE OF TECHNOLOGY
AND MANAGEMENT STUDIES
(SITAMS)
(AUTONOMOUS)**

Department of Mechanical Engineering
(Mechanical Engineering Department Association- MEDA)



Institution's Innovation Council (IIC)
A Seminar on
“Current Booming Technology in IT Industry”

Introduction:

On 26th Oct 2024, a Seminar on “Current Booming Technology in IT Industry” was organized by Department of Mechanical Engineering & Civil in Association with Institution's Innovation Council (IIC), SITAMS. Mr.P.Prudhvee, Software Engineer, Tata Consultancy service, Bangalore, acted as a resource person for this event.

Generative AI: This technology can create human-like content, such as text, images, audio, and simulations.

DevOps: This set of practices and tools combines software development and IT operations to make building, testing, and releasing software faster and more reliable.

Quantum computing: Financial investments in quantum computing are increasing, with IBM leading the race.

Edge computing: This technology enhances real-time data processing and reduces latency.

Blockchain technology: This technology offers secure and decentralized digital ledger systems.

Machine learning and data science: This technology drives data-driven decision-making and predictive analytics.

Augmented reality (AR) and virtual reality (VR): This technology creates immersive and interactive digital experiences.

Networking: The number of devices connected to IP networks is expected to triple by 2023, which will increase the demand for network engineers and administrators.

Speaker Details	: Mr.P.Prudhvee Software Engineer, Tata Consultancy Service, Bangalore
Covenor	: Mr.N.Sathish Kumar, HOD, Dept.of Mech.Engg. SITAMS.
Coordinator	: Mr. D.Raju, Assistant Professor, Dept.of Mech.Engg. SITAMS.
Co-Coordinator	: Mr.K.Santhosh Priya, Assistant Professor, Dept.of Mech.Engg. SITAMS.
President IIC	: Dr. M. Saravanan, Professor, Academic Dean, SITAMS
Date	: 26-10-2024
Venue	: Mechanical Seminar Hall
Target Audience	: All the Mechanical Engineering & Civil Students.

**Sreenivasa Institute of Technology and Management Studies (SITAMS)
Chittoor-517127**

SITAMS/Seminar/ 2024-25

Dt.18-10-2024

OFFICE ORDER

Department of Mechanical Engineering & Civil Engineering in association with **Institution's Innovation Council (IIC)** proposed to conduct a Seminar is approved.

The Title of the event is **“Current Booming Technology in IT Industry”** and is scheduled on 26th Oct, 2024 from 10.00 AM to 1.00 PM.

The target participants for this event are students from III B.Tech and IV B.Tech Mechanical Engineering branch & III B.Tech and IV B.Tech Civil.

An amount of Rs.3500/- (Rupees Three Thousand five hundred only) towards Remuneration Rs.3000/- and other arrangements of Rs.500/ is sanctioned. The Bills are to be submitted within one week of the completion of the program.

(Dr.N.VENKATACHALAPATHI)
Principal

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Corresponding Head
Coordinators
IQAC & IIC
Account Section
Establishment section.





SREENIVASA INSTITUTE OF TECHNOLOGY AND MANAGEMENT STUDIES
(Autonomous) (NBA Accredited - CSE, ECE, EEE & MCA)
CHITTOOR, A.P.



Department of Mechanical Engineering

A Seminar on "Career Guidance and Career Development "



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भारत सरकार



RESOURCE PERSON: SANTOSH D



Accord212 Human Resource Solutions Pvt. Ltd.
Welcome To Delegates

DATE: 13-11-2024

Mr. M. Yugandhar
Dept. Placement coordinator

Mr. N. Sathish Kumar
HOD - Mech. Eng.

Dr. M. Saravanan
Dean-Academics

Dr. N. Sambasiva Rao
Dean-R&D

Dr. N. Venkatachalapathi
Principal



**SREENIVASA INSTITUTE OF TECHNOLOGY
AND MANAGEMENT STUDIES
(SITAMS)
(AUTONOMOUS)**

Department of Mechanical Engineering
(Mechanical Engineering Department Association- MEDA)



Institution's Innovation Council (IIC)
A Seminar on
“Career Guidance and Career Development”

Introduction:

On 13th Nov 2024, a Seminar on “**Career Guidance and Career Development**” was organized by **Department of Mechanical Engineering & EEE** in Association with **Institution's Innovation Council (IIC), SITAMS. Mr.D.Santhosh**, Biggest Networking International & Accord Solutions Pvt. Ltd (M.D) , Bangalore, acted as a resource person for this event.

The importance of information in career development is underscored by its prominence within career-related policy. For instance, Career Information, Advice and Guidance (CIAG) policy – sometimes referred to as ‘Career nformation and Guidance’ (CIG) policy or ‘Career Information, Advice, Education, and Guidance’ (CIAEG) policy – is part of a network of lifelong learning, skills development, and economic resilience policies worldwide. Ensuring that every individual has access to high-quality and impartial career information about work and education opportunities has long been a pillar of European career policy (e.g. UNESCO, 2000). CIAG policy in the UK tipulates that every young person and their parents should have access to career information and advice, and the introduction of the Gatsby benchmarks in England in 2013 emphasised the importance of linking the curriculum with future study options and labour market opportunities. The second of the eight Gatsby benchmarks directly addresses information, stating that the information provided in schools should be comprehensive, accurate, and up-to-date, and that young people should be taught how to find and process career information.

Information features in discussions around technologies, career education, career assessment, and career intervention, however, the emphasis has been predominantly on information provision and not on information use. Here, the treatment of career information in the literature appears to be governed by a ‘lack of information’ assumption - a belief that insufficient career information is at the root of career indecision, and that the provision of more career information will resolve career conundrums. Increasingly, however, the modern, technologically mediated information landscape is characterised not so much by a lack of information, as by an overabundance of information and misinformation.

Speaker Details	: Mr..D.Santhosh, BNI & Accord Solutions Pvt. Ltd (M.D) , Bangalore
Covenor	: Mr.N.Sathish Kumar, HOD, Dept.of Mech.Engg. SITAMS.
Coordinator	: Mr. M.Yugandhar, Assistant Professor, Dept.of Mech.Engg. SITAMS.
Co-Coordinator	: Mr. D.Raju, Assistant Professor, Dept.of Mech.Engg. SITAMS.
President IIC	: Dr. M. Saravanan, Professor, Academic Dean, SITAMS
Date	: 13-11-2024
Venue	: Mechanical Seminar Hall
Target Audience	: All the Mechanical Engineering & EEE Students.

**Sreenivasa Institute of Technology and Management Studies (SITAMS)
Chittoor-517127**

SITAMS/Seminar/ 2024-25

Dt.04-11-2024

OFFICE ORDER

Department of Mechanical Engineering & EEE Engineering in association with **Institution's Innovation Council (IIC)** proposed to conduct a Seminar is approved.

The Title of the event is “**Career Guidance and Career Development**” and is scheduled on 13th Nov, 2024 from 10.00 AM to 1.00 PM.

The target participants for this event are students from III B.Tech and IV B.Tech Mechanical Engineering branch & III B.Tech and IV B.Tech EEE.

An amount of Rs.3500/- (Rupees Three Thousand five hundred only) towards Remuneration Rs.3000/- and other arrangements of Rs.500/ is sanctioned. The Bills are to be submitted within one week of the completion of the program.

(Dr.N.VENKATACHALAPATHI)
Principal

Copy Submitted to:
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Coordinators
IQAC & IIC
Account Section
Establishment section.







Sreenivasa Institute of Technology and Management Studies
Murukambattu, Chittoor – 517 127, Andhra Pradesh (Autonomous)
(Department of ECE, CSE, EEE, MCA- NBA Accredited) Affiliated to JNTUA,
Ananthapuramu

Certificate of Participation

This is to certify that Mr./Mrs. K.Harshavardhan, Roll No. 21751A0304, from Sreenivasa Institute of Technology and Management studies has participated in one day seminar on “Career Guidance and Career Development ” held on 13th November 2024 Organized by Department of Mechanical Engineering at Sreenivasa Institute of Technology and Management Studies (SITAMS) Chittoor, Andhra Pradesh.

Dr. M.Yugandhar
Co-ordinator

Mr. N.Sathish kumar
Convenor

HOD/MECH

TWO DAYS WORKSHOP ON CNC ADVANCED MACHINING PROCESS

ABOUT THE DEPARTMENT

Mechanical Engineering is considered to be one of the most diverse and versatile of the engineering disciplines. Mechanical Engineering contributes to modern standard of living and almost all products of modern life have contributions from mechanical engineers. The faculty members in the department are actively involved in academic and sponsored research to solve various fundamental as well as applied problems. We are offering programs at different levels namely B.TECH. (Mechanical Engineering), M.TECH. (PRODUCT DESIGN).

OBJECTIVES OF THE WORKSHOP

- ❑ To introduce basic concepts of CNC Programming.
- ❑ Hands on experience on CNC Turning.
- ❑ Demonstration and hands on experience on 5 Axis CNC Machining c

CONVENER

Mr.N.Satish Kumar, HOD

ORGANISING TEAM

M.Yugandhar

D.Raju

B.Surya Prakash

Resource person: V.Chinnasamy (Production Engineer),
Indraprasta Engine Parts LTD.(An AMTE Group)-Hosur,T.N



6301012889



yugandhar077@gmail.com

TWO DAYS WORKSHOP ON CNC ADVANCED MACHINING
PROCESS on (22nd -23rd NOV-2024)



**SREENIVASA INSTITUTE OF TECHNOLOGY
and MANAGEMENT STUDIES**

ABOUT THE COLLEGE

Sreenivasa Institute of Technology and Management Studies (SITAMS) was established by Prominent industrialist and former TTD chairman, Dr. D.K. Audikesavulu, Ex.M.P in the year 1998 under the Srinivasa Trust. Under the direction of its former chairperson, late Smt. D.A. Sathyaprabha (wife of late Dr. D.K. Audikesavulu), Ex MLA, Chittoor and its chairman, former Andhra Pradesh Government Advisor for the power sector, Shree K. Ranganatham, the institute has made impressive strides in teaching, research, and consulting in the fields of technical education and management studies over the past 25 years. The institute is approved by AICTE, New Delhi and affiliated to JNTUA, Anantapuramu. SITAMS, a leader in value-based education, offers 8 UG courses and 5 PG courses

ORGANISED BY
DEPARTMENT OF MECHANICAL ENGINEERING
SITAMS, CHITTOOR, A.P-517127

PROGRAM SCHEDULE

DAY 1:

Morning (10 AM to 1 PM)

- ❑ Review on computer numerical control systems
- ❑ Introduction to CNC part programming including canned cycles
- ❑ Solving example problems on 3axis thread cutting

Afternoon (2:00 PM to 4:00 PM)

- ❑ Introduction to CNC simulators
- ❑ Live demonstration on tool path verification
- ❑ Hands on demonstration on CNC lathe.

DAY 2:

Morning (10 AM to 1 PM)

- ❑ Basics of Mastercam software: Preprocessing and postprocessing
- ❑ Solving examples on Mastercam to generate codes

Afternoon (2:00 PM to 4:00 PM)

- ❑ Hands on practice on CNC Software programming
- ❑ Demonstration on 5 axis CNC machining center
- ❑ Hands on practice on CNC center
- ❑ Tool utilization procedures and safety

REGISTRATION DETAILS:

Students and Research Scholars and Faculties: Rs. 200/-

- Registration has to be completed on or before 20/11/2024.
- Registration fee includes participation certificate, refreshments and working lunch for afternoon.
- Total number of participants is limited to 60.
- Accommodation, TA and DA will not be provided.

Contact Persons:

M Yugandhar – 6301012889

R Satheesh-7989395481

Surya prakash – 8790055936

Santhosh Priya -9492258545



Chief Patrons

Shri K.Ranganatham

Chairman

Shri D.K.Badri Narayana

Secretary

Dr.D.A.Kalpaja

Managing Trustee

Patrons

Dr.K.L.Narayana

Advisor

Dr.N.Venkatachalapathi

Principal

Dr.M.Saravanan

Dean-Academics

HOW TO REACH COLLEGE :

SITAMS (Sreenivasa Institute of Technology and Management Studies) is located at Dr. D.K. Audikesavulu Marg, (Bangalore-Tirupathi Bye-pass Road), Murukambattu, Chittoor - 517127, Andhra Pradesh, India.

Website: www.sitams.org

Loaction: <https://maps.app.goo.gl/Xx7tH6o2ZRsgbuAe77>

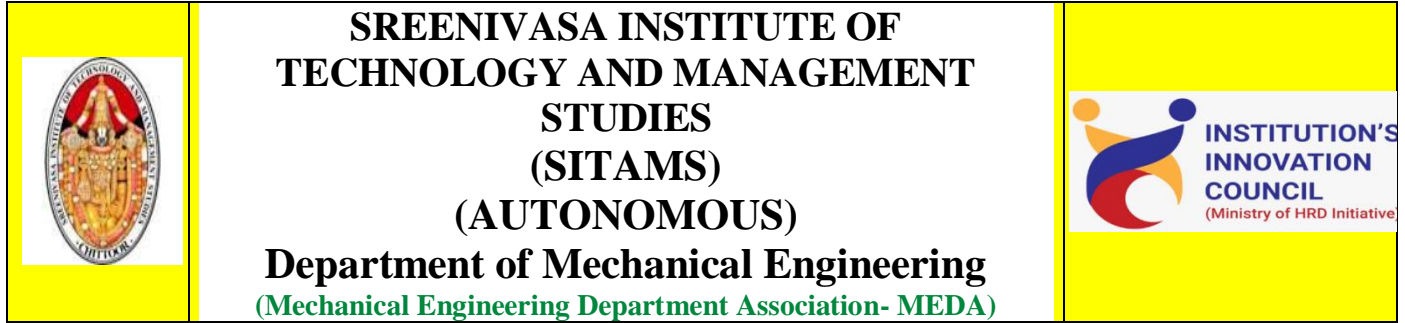
Payment Details:

PhonePe Number: 8328657898



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Institution's Innovation Council (IIC)
A Workshop
On
“CNC Advanced Machining Process”

Introduction: On 22nd and 23rd November 2024, a Workshop on “CNC Advanced Machining Process” was organized by **Department of Mechanical Engineering** and association with **Institution's Innovation Council (IIC)**, SITAMS. **Mr.V. Chinna Swamy**, Production Engineer, Indra Prasta Engine Parts (Ltd), Hosur acted as a resource person for this event.

Speaker Details : **Mr.V.Chinna Swamy**,
Production Engineer, Indra Prasta Engine Parts (Ltd), Hosur.

Covenor : Mr.N.Sathish Kumar, HOD, Dept.of Mech.Engg. SITAMS.

Co Covenor : Mr.M.Yugandhar, Assistant Professor, Dept.of Mech.Engg. SITAMS.

President IIC : Dr. M. Saravanan, Professor, Academic Dean, SITAMS

Date : 22nd and 23rd November 2024

Venue : CNC Lab, Mechanical Block

Target Audience : 2nd, 3rd and final year Mechanical Engineering students and other college students.

Press Note

సిఎన్సి వర్క్ షాపుపై అవగాహన సదస్సు

చిత్తూరురూరల్, నవంబరు 22 ప్రభాతవార్త:



చిత్తూరునగరం, సీతమ్మ కళాశాల లో మెకానికల్ విభాగం ఆధ్వర్యంలో రెండు రోజుల పాటు కంప్యూటర్ నుమెరికల్ కంట్రోల్(సిఎన్సి)పై అవగాహన సదస్సు నిర్వహించినట్లు మెకానికల్ విభాగం అధిపతి సతీష్ కుమార్ తెలిపారు.

సీతమ్మ కళాశాల విద్యార్థులతో

పాటు శ్రీ పద్మావతి మహిళా యూనివర్సిటీ విద్యార్థులు, ఆరీస్ పాలిటెక్నిక్ కళాశాల విద్యార్థులు పాల్గొన్న ఈ సదస్సులో వివిధ పరిశ్రమలకు చెందిన నిపుణులు విద్యార్థులకు సందేహాలను నివృత్తి చేయడంతో ఈ అవగాహన సదస్సులో పాల్గొన్న విద్యార్థులు తమ నైపుణ్యాన్ని పెంపొందించుకొన్నట్లు పేర్కొన్నారు. ఈ అవగాహన సదస్సును మెకానికల్ విభాగం అధిపతి సతీష్ కుమార్ తో పాటు కన్వీనర్ యుగంధర్, డిపార్టుమెంట్ ఆధ్యాపకులు విజయవంతంగా నిర్వహించడంతో కళాశాల యాజమాన్యం వైస్ చైర్మన్ రంగనాథం, మేనేజింగ్ ట్రస్టీ డా. డి.ఎ.కల్పజ, సెక్రటరీ బద్రినారాయణ, కళాశాల ప్రిన్సిపాల్ వెంకటాచలపతి, డీన్ ఆకడమిక్స్ డా.ఎం. శరవణన్, డీన్ ఆర్ అండ్ డి డా. ఎన్.సాంబశివరావులు సదస్సులో పాల్గొన్న ఇండస్ట్రీస్ నిపుణులు, విద్యార్థులకు ఆభినందనలు తెలిపారు.

About Program

Recent trends in CNC programming aim to achieve several objectives, reflecting advancements in technology, industry demands and manufacturing efficiency. Here are some common objectives:

Automation and Efficiency: CNC programming trends focus on enhancing automation levels to reduce manual intervention, minimize errors, and improve overall efficiency in manufacturing process.

Optimization for complex Geometries: with the rise of additive manufacturing and demand for intricate designs, CNC programming trends emphasize the ability to handle complex geometries effectively. This includes developing algorithms and software tools that can efficiently program CNC machines to produce complex shapes and surfaces.

Integration with CAD/CAM systems: There's a growing emphasis on seamless integration between CAD and CAM systems. This integration streamlines the programming process by allowing engineers to directly translate designs into machine instructions, reducing manual programming efforts and potential errors.

Multi-Axis Machining: Recent trends in CNC programming focus on multi-axis machining capabilities to enable the production of more complex parts with greater precision. This includes developments in 5-axis and even 9-axis machining, allowing for more flexibility and efficiency in manufacturing processes.

Adaptive Machining and Real-time Adjustments: CNC programming trends increasingly involve adaptive machining techniques that enable real-time adjustments based on factors like tool wear, material variations or environmental conditions. This helps optimize machining processes, improve quality control and reduce waste.

Simulation and Verification: There's a growing emphasis on simulation and verification tools in CNC programming to ensure the accuracy of machining process before actual production. Advanced simulation software allows programmers to visualize tool paths, detect potential collisions and optimize machining strategies before running jobs on the shop floor.

Activities Performed

Activities are performed to translate a design into machine instructions for manufacturing.

Typically involved in CNC programming:

Tool selection:

Toolpath Generation:

Speeds and Feeds calculation:

Machining Strategy Selection:

Post-Processing:

Simulation and Verification:

Documentation:

Setup Instructions:

Outcome:

The outcome of CNC programming is the successful execution of machining operations on a CNC machine to produce parts according to specified design requirements.

Students Registered

SREENIVASA INSTITUTE OF TECHNOLOGY AND MANAGEMENT STUDIES					
DEPT. OF MECHANICAL ENGINEERING					
ATTENDANCE SHEET FOR WORKSHOP on "CNC ADVANCED MACHINING PROCESS"					
SNo.	Candidate Name	22.11.2024 AN		Session : 1	
		College	Phone No.	Email ID	Signature
1	S. Ezra	Arjes Polytechnic college B.N.R Peta chittoor.	6304093890	ssanjith sll4@gmail.com	S. Ezra
2	O. Sreekanth	Arjes Polytechnic college B.N.R Peta chittoor	8125665629	osreekanthos122000@gmail.com	O. Sreekanth
3	C. Devendra	Arjes polytechnic college B.N.R peta chittoor	7702245384	ycf devendra@gmail.com	C. Devendra .
4	G. Bhavishyath	Arjes polytechnic college B.N.R peta chittoor	9535008842	gbhavishyathgbs@gmail.com	G. Bhavishyath
5	K. Surekha	SOET, Sri Padmaravathi Mahila visvavidyalayam	8309205991	kilaparthisurekha2003@gmail.com	K. Surekha .
6	V. Akshitha	SOET, Sri Padmaravathi Mahila Visvavidyalayam	9959966350	varadarajuakshitha2004@gmail.com	v. Akshitha
7	N. Thejaswini	SOET, Sri padmaravathi mahila visvavidhyalayam	6300653134	nagalathejaswini@gmail.com	N. Thejaswini
8	J. Anusha	SOET, Sri Padmaravathi mahila visvavidhyalayam	6302135982	julakanaanusha@gmail.com	J. Anusha
9	M. Chandana	SOET, Sri padmaravathi mahila Visvavidyalayam	6300115504	chandana19450@gmail.com	m. chandana
10	S. Yamini	SOET Sri padmaravathi mahila visvavidhyalayam	9391356215	S. Varathiyamini@gmail.com	S. Yamini
11	B. Jahnvi	SOET, Sri padmaravathi mahila visvavidyalayam	8790299742	jahnvi bathala8@gmail.com	B. Jahnvi

SREENIVASA INSTITUTE OF TECHNOLOGY AND MANAGEMENT STUDIES

DEPT. OF MECHANICAL ENGINEERING

ATTENDANCE SHEET FOR WORKSHOP on "CNC ADVANCED MACHINING PROCESS"



SNo.	Candidate Name	22.11.2024 FN				Session : 2
		College	Phone No.	Email ID	Signature	
1	S. Ezra	Aries Polytechnic college B.N.R Peta chittoor	6304093890	ssanjith514@gmail.com	S. Ezra	
2	O. Sreekanth	Aries Polytechnic college B.N.R Peta chittoor	8125665629	OSreekanth05122000@gmail.com	O. Sreekanth	
3	C. Devenya	Aries Polytechnic college B.N.R Peta chittoor	7702245389	ycdevenya@gmail.com	C. Devenya	
4	G. Bhavishya	Aries polytechnic college B.P.R Peta chittoor	636387351	gbhavishya765@gmail.com	G. Bhavishya	
5	K. Surekha	SOET, Sri Padmavathi Mahila viswavidyalayam	8309205991	kilaparthi surekha 2003@gmail.com	K. Surekha	
6	V. Akshitha	SOET, Sri Padmavathi Mahila Viswavidyalayam	9959965350	varadaraju akshitha 2004@gmail.com	V. Akshitha	
7	B. Jahnvi	SOET, Sri padmavathi mahila viswavidyalayam	8-790249792	Jahnvi bathala 8@gmail.com	B. Jahnvi	
8	N. Thejaswini	SOET, Sri padmavathi mahila viswavidyalayam	6300653134	nagalathejaswini@gmail.com	N. Thejaswini	
9	J. Anusha	SOET, Sri Padmavathi mahila, viswa vidyalayam	6302135982	julakalva anusha@gmail.com	J. Anusha	
10	M. Chandana	SOET, Sri padmavathi mahila Vishwavidyalayam	6300115504	chandana19450@gmail.com	M. Chandana	
11	S. Janini	SOET, Sri padmavathi mahila viswavidyalayam	9391356215	s,parathi janini@gmail.com	S. Janini	

SREENIVASA INSTITUTE OF TECHNOLOGY AND MANAGEMENT STUDIES

DEPT. OF MECHANICAL ENGINEERING

FEEDBACK FORM FOR WORKSHOP on "CNC ADVANCED MACHINING PROCESS"



SNo.	Candidate Name	22.11.2024	DAY : 1	Session : 1 & 2
		College	FEEDBACK	
1	S. EZRA	ARSES	need explanation in Telugu.	
2	O. SREERANTH	"		
3	C. DEVENDRA	"		
4	P. BHAVISHYATH	"		
5	K. Surekha	SPMVV	Well explained with good visuals.	
6	N. Thejaswini	SPMVV	Good explanation,	
7	V. Akshitha	SPMVV, SOET	Visualization good. Better Explanation.	
8	M. Chandana	SPMVV, SOET	Explained good & better Explanation	
9	J. Anusha	SPMVV, SOET	Better explanation, Good visuals.	
10	B. Jahnavi	SPMVV, SOET	We need code explanation	

SREENIVASA INSTITUTE OF TECHNOLOGY AND MANAGEMENT STUDIES

DEPT. OF MECHANICAL ENGINEERING



FEEDBACK FORM FOR WORKSHOP on "CNC ADVANCED MACHINING PROCESS"

SNo.	Candidate Name	22.11.2024	DAY : 1	Session : 1 & 2
		College	FEEDBACK	
11)	A. Divyamanasa	Sri Padmavathi malika vishwavidyalaya	Good explanation, I got more knowledge about CNC machine, Practically.	
12	S. Yamini	SPMVV	good explanation.	
13	S. Anitha	SPMW	low explanation, detailed information regarding the CNC	









**Sreenivasa Institute of Technology and Management Studies,
Chittoor – 517 127, Andhra Pradesh (Autonomous)
(Department of ECE, CSE,EEE, MCA- NBA Accredited) Affiliated to
JNTUA, Ananthapuramu**

Certificate of Participation

This is to certify that Mr./Mrs. E.Prem Shervin, Roll No. 21751A0303, from Sreenivasa Institute of Technology and Management studies has participated in two days workshop on “CNC Advanced Machining Process” held on 22nd and 23rd November 2024 Organized by Department of Mechanical Engineering at Sreenivasa Institute of Technology and Management Studies (SITAMS) Chittoor, Andhra Pradesh.

Dr. M.Yugandhar
Co-ordinator

Mr. N.Sathish kumar
Convenor

HOD/MECH



**SREENIVASA INSTITUTE OF TECHNOLOGY
AND MANAGEMENT STUDIES
(SITAMS)
(AUTONOMOUS)**

Department of Mechanical Engineering
(Mechanical Engineering Department Association- MEDA)



**A Seminar on
Additive Manufacturing**



Resource Person

Dr Jambeswar Sahu, Associate Professor, School of Mechanical
Engineering, Vellore Institute of Technology, Vellore,
[Email: jambeswar@gmail.com](mailto:jambeswar@gmail.com)

DATE:
30-01-2025
(Thursday)

VENUE:
SITAMS-Mechical Seminar
Hall Gallery

TIME:
10.00 AM to 1.00 PM

Patron

Sri.K.Ranganadham,
Chainman

Co-Patron

Dr.K.L.Narayana
Academic Advisor

Session Chair

Dr.N.Venkatachalapathi
Principal

Co-Chair

Dr.M.Saravanan
Dean Academics

Coordinantor

Mr.M.Yugandhar
Asst.Prof

Co-Coordinator

Mr.D.Raju
Asst.Prof

Mr. N. Satish Kumar
HOD/Mech
Convener

Dr.P.Sudheer
HOD/EEE
Co-Convener



SREENIVASA INSTITUTE OF TECHNOLOGY AND MANAGEMENT STUDIES

Industry 4.0

A seminar on Additive manufacturing



**INSTITUTION'S
INNOVATION
COUNCIL**

(Ministry of Education Initiative)

Thursday
30 -01-2025



10 am - 1 pm



Sreenivasa institute of
technology and
management studies



*Join us for an immersive
experience designed to enhance
your skills.*



Jambeswar sahu

ASSOCIATE PROFESSOR,SCHOOL OF MECHANICAL
ENGINEERING,VIT UNIVERSITY,VELLORE

REGISTER NOW

www.sitams.org
COORDINATORS

DR.P.SUDHEER HOD-EEE,

MR.SATHEESH KUMAR HOD-MECH

Co-coordinators

Mrs.B.K.Shalini,Asst.Prof EEE

Mr.M.Yugandhar,Asst.Prof MECH



**SREENIVASA INSTITUTE OF TECHNOLOGY
AND MANAGEMENT STUDIES
(SITAMS)
(AUTONOMOUS)**

Department of Mechanical Engineering
(Mechanical Engineering Department Association- MEDA)



Institution's Innovation Council (IIC)
A Seminar on
"Additive Manufacturing"

Introduction:

On 30th Jan 2025, a Seminar on **"Additive Manufacturing"** was organized by **Department of Mechanical Engineering & EEE** in Association with **Institution's Innovation Council (IIC), SITAMS**. **Dr.Jambeswar Sahu**, Associate Professor, School of Mechanical Engineering, Vellore Institute of Technology, Vellore, acted as a resource person for this event.

Additive manufacturing is an advanced technique used for the manufacturing of complex geometries and structure by adding material in layer form, using 3D model data. Additive manufacturing is also known as rapid prototyping, or on-demand manufacturing, or digital fabrication, or desktop manufacturing, or solid freeform manufacturing, or layer manufacturing, or direct manufacturing technique, or 3D printing. There are distinct additive manufacturing techniques such as: Stereo lithography (SLA), Digital Light Processing (DLP), Selective Laser Sintering (SLS), Electron Beam Melting (EBM), Fusion Deposition Modeling (FDM), Multijet/Polyjet 3D printing, Selective Laser Melting (SLM) and Laminated Object Manufacturing (LOM) etc. These techniques uses distinct materials such as ceramics, plastic, metal, liquid, powder or even living cells. These technologies can fabricate any complex 3D component of any shape by utilizing 3D model data, which is impossible to fabricate by traditional manufacturing techniques. In a basic setup, the 3D model data is converted into standard triangulate language format, which is simple to print by additive manufacturing technique.

Speaker Details	: Dr.Jambeswar Sahu, Associate Professor, School of Mechanical Engineering, Vellore Institute of Technology, Vellore.
Covenor	: Mr.N.Sathish Kumar, HOD, Dept.of Mech.Engg. SITAMS.
Co-Covenor	: Dr.P.Sudheer, HOD, Dept.of EEE. SITAMS.
Coordinator	: Mr.M.Yugandhar, Assistant Professor, Dept.of Mech.Engg. SITAMS.
Co-Coordinator	: Mr.D.Raju, Assistant Professor, Dept.of Mech.Engg. SITAMS.
President IIC	: Dr. M. Saravanan, Professor, Academic Dean, SITAMS
Date	: 30-01-2025
Venue	: Mechanical Seminar Hall
Target Audience	: All the Mechanical Engineering & EEE Students.

**Sreenivasa Institute of Technology and Management Studies (SITAMS)
Chittoor-517127**

SITAMS/Seminar/ 2024-25

Dt.09-09-2024

OFFICE ORDER

Department of Mechanical Engineering & Electrical and Electronics Engineering in association with **Institution's Innovation Council (IIC)** proposed to conduct a Seminar is approved.

The Title of the event is **“Additive Manufacturing”** and is scheduled on 30th Jan, 2025 from 10.00 AM to 1.00 PM.

The target participants for this event are students from II B.Tech, III B.Tech and IV B.Tech Mechanical Engineering branch & II B.Tech, III B.Tech and IV B.Tech EEE.

An amount of Rs.5000/- (Rupees Seven Thousand only) towards Remuneration Rs.5000/- is sanctioned. The Bills are to be submitted within one week of the completion of the program.

(Dr.N.VENKATACHALAPATHI)
Principal

Copy Submitted to:
Corresponding Head
Coordinators
IQAC & IIC
Account Section
Establishment section.



**SREENIVASA INSTITUTE OF TECHNOLOGY AND
MANAGEMENT STUDIES - CHITTOOR**

AUTONOMOUS
Approved by AICTE, New Delhi and Affiliated to JNTUA, Ananthapuramu

ATTENDANCE SHEET

Topic: A Seminar on Additive Manufacturing

Branch : Mechanical Engineering and Electrical and Electronics Engineering

Date : 30.01.2025

S. No	Registered Number	Name of the Student	Student Signature
1	24755A0211	S. Afzal	S. Afzal
2	24755A0209	P. Jayap Reddy	P. Jayap Reddy
3	24755A0205	G. poraween	Poraween
4	22751A0376	R. Soima Sekhar	R. Soima Sekhar
5	21751A0301	D. Bharith	D. Bharith
6	21751A0303	E. Prem Shrivin	E. Prem Shrivin
7	21751A0304	K. Harsha	K. Harsha
8	21751A0302	T. G. Sathya Narayana	T. G. Sathya Narayana
9	21751A0305	M. Gowtham Chandra	M. Gowtham Chandra
10	21751A0307	P. Saibhareth	P. Saibhareth
11	21751A0306	P. Tharak Beja	P. Tharak Beja
12	22755A0301	G. Punith	G. Punith
13	22755A0302	K. Guna Shakin	K. Guna Shakin
14	22755A0303	P. Bhodais	P. Bhodais
15	22755A0304	R. Harshvardhan	R. Harshvardhan
16	22755A0305	V. H. Karthik Kumar	V. H. Karthik Kumar
17	22751A0301	K. Vignan Raja	K. Vignan Raja
18	23755A0301	K. M. MOHAMMED YOUSUF	K. M. MOHAMMED YOUSUF
19	22751A0303	S. Pavan	S. Pavan
20	22751A0302	M. Madhan Kumar	M. Madhan Kumar
21	23755A0302	S. Dhanush	S. Dhanush
22	23755A0203	A. Aron Kumar	A. Aron Kumar
23	23755A0213	M. Haji Shariq	M. Haji Shariq



SREENIVASA INSTITUTE OF TECHNOLOGY AND MANAGEMENT STUDIES - CHITTOOR

Approved by AICTE, New Delhi and Affiliated to JNTUA, Ananthapuramu

24	23755A0220	T. Abishek	T. Abishek
25	23755A0211	K. Guravaiah	K. Guravaiah
26	23751A0202	C. P. Raja	C. P. Raja
27	24755A0204	P. Vishnu Vardhan	P. Vishnu Vardhan
28	23751A0201	C. Gowtham	C. Gowtham
29	23751A0206	H. Sarath	H. Sarath
30	23755A0212	S. N. Prashanth Kumar	S. N. Prashanth Kumar
31	23755A0218	S. Sree	S. Sree
32	23755A0210	K. Sudheer Kumar	K. Sudheer Kumar
33	24755A0202	B. Vinay Kumar	B. Vinay Kumar
34	24755A0204	G. Kumar Naidu	G. Kumar Naidu
35	2475A0210	P. Thiruvikram	P. Thiruvikram
36	24755A0203	D. Tharun Kumar	D. Tharun Kumar
37	24756A0807	N. Hemant Kumar	N. Hemant Kumar
38	23755A0219	S. BHANU PRASAD	S. BHANU PRASAD
39	23755A0208	E. Prasanth	E. Prasanth
40	2375A0202	A. V. Lokesh Reddy	A. V. Lokesh Reddy
41	2375A0207	C. Sai Kumar Reddy	C. Sai Kumar Reddy
42	2375A0201	A. Balaji	A. Balaji
43	23751A0305	S. Mubareek	S. Mubareek
44	23751A0302	G. Thirugan	G. Thirugan
45	23751A0304	S. Jafar	S. Jafar
46	23751A0301	B. Letha Joseph	B. Letha Joseph
47	23751A0306	V. Teja Murthy	V. Teja Murthy
48	24755A0101	M. Vishnu Vardhan	M. Vishnu Vardhan
49	23751A0303	M. Harsha Vardhan	M. Harsha Vardhan
50	22751A3364	P. Dinesh	P. Dinesh
32	22751A3393	V. Zubair	V. Zubair
33	22751A3394	V. Chiranjeev	V. Chiranjeev
34	22751A3354	M. Theja	M. Theja
35	22751A3385	G. Gowtham	G. Gowtham
36	23755A3301	P. Sumanth	P. Sumanth
37	22751A3365	P. Mahesh	P. Mahesh
28	22751A3387	S. A. Rehman Basha	S. A. Rehman Basha
39	22751A3381	S. Adil	S. Adil



SREENIVASA INSTITUTE OF TECHNOLOGY AND MANAGEMENT STUDIES - CHITTOOR

AUTONOMOUS

Approved by AICTE, New Delhi and Affiliated to JNTUA, Ananthapuramu

35	22751A3361	P. Abhinaya	P. Abhinaya
36	22751A3354	Mounika.B	Mounika.B
37	22751A3359	N. Hemavathi	N. Hemavathi
38	22751A3395	V. Mounika	V. Mounika
39	22751A3363	P. Bhavitha	P. Bhavitha
40	22751A3373	R. Govardhini	R. Govardhini
41	22751A3374	R. Keerthi	R. Keerthi
42	22751A3372	R. B. Lokitha	R. B. Lokitha
43	23751A0209	P. Ushasri	P. Ushasri
44	23751A0204	G. Poojitha	G. Poojitha
45	23751A0207	K. Yashwini	K. Yashwini
46	23751A0208	M. Sowmya	M. Sowmya
47	24755A0201	B. Teja	B. Teja
48	22751A3399	Y. Rajapriya	Y. Rajapriya
49	22751A3397	V. Jayapriya	V. Jayapriya
50	22751A0201	B. Jennifer	B. Jennifer
51	22751A0202	G. Manasa	G. Manasa
52	22751A0808	U. Alarasi	U. Alarasi
53	22751A0803	K. Reddemma	K. Reddemma
54	22751A3379	R. Om Swetha	R. Om Swetha
55	22751A3378	R. Anana Sudha	R. Anana Sudha
56	22751A3366	P. Mounika	P. Mounika
57	22751A3377	R. Lakshwani	R. Lakshwani
58	22751A3355	N. Mounika	N. Mounika
59	22751A3389	S. Sinduja	S. Sinduja
60	23755A0214	P. Khalil basha	P. Khalil basha
61	23755A0212	M. Sampath	M. Sampath
62	22751A3393	M. Rajendra	M. Rajendra
63	22751A3369	P. Prasanth	P. Prasanth
	22751A3392	T. Pavan Kalyan	T. Pavan Kalyan
	22751A3360	O. Dinesh	O. Dinesh
	22751A3386	S. Sai Kumar	S. Sai Kumar
	1111 82	S. Prem chand	S. Prem chand
	22751A3387	S. A. Rehman Basha	S. A. Rehman Basha
	22751A3358	N. Sai Srimannarayana	N. Sai Srimannarayana

22751A3398

22751A3396

22751A3382

22751A3390

22751A3367

22751A3368

22751A3359

22751A3365

22751A3357

22751A3356

Y. Vinay

V. Harsha

S. praveen chandru

S. Prabha

P. MO. Ashraf

P. Bhanu prakash

N. Theerth

P. Mahesh

M. Gayendra

N. Yashwanth

Y. Vinay

V. Harsha

Chandru

S. Prabha

Ashraf

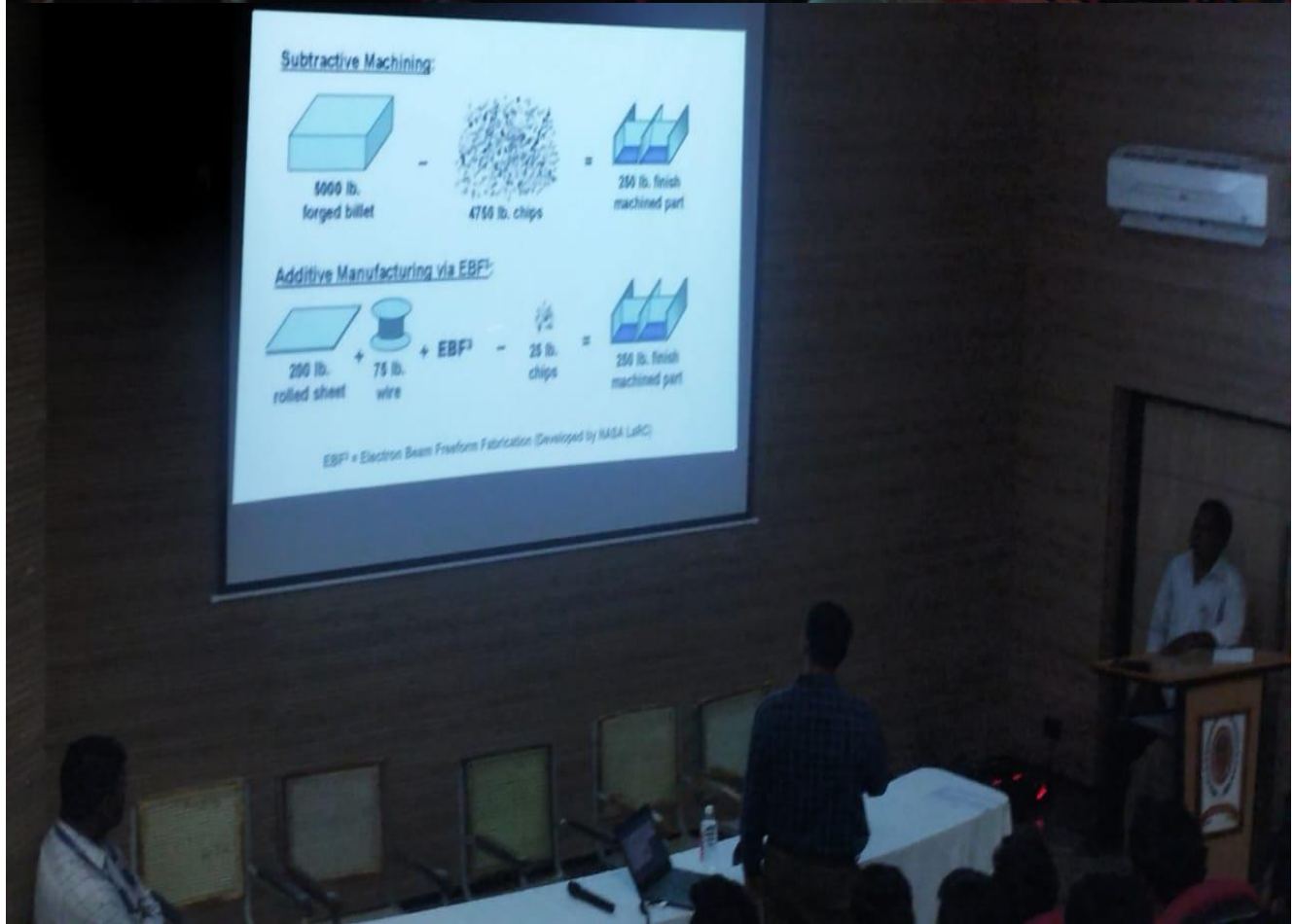
P. Bhanu prakash

N. Theerth

M. Gayendra

N. Yashwanth









Sreenivasa Institute of Technology and Management Studies
Murukambattu, Chittoor – 517 127, Andhra Pradesh (Autonomous)
(Department of ECE, CSE, EEE, MCA- NBA Accredited) Affiliated to JNTUA,
Ananthapuramu

Certificate of Participation

This is to certify that Mr./Mrs. K.Harshavardhan, Roll No. 21751A0304, from Sreenivasa Institute of Technology and Management studies has participated in one day seminar on "Additive Manufacturing" held on 30th January 2025 Organized by Department of Mechanical Engineering at Sreenivasa Institute of Technology and Management Studies (SITAMS) Chittoor, Andhra Pradesh.

Mr. M.Yugandhar
Co-ordinator

Mr. N.Sathish kumar
Convenor

HOD/MECH



**SREENIVASA INSTITUTE OF
TECHNOLOGY AND MANAGEMENT
STUDIES (SITAMS) (AUTONOMOUS)**

Department of Mechanical Engineering



**A Seminar on
Recent Advances in Welding Techniques**

Resource Person

Dr Suresh R, Associate Professor,

M.S.Ramaiah University of Applied Sciences

Bangalore

**DATE:
18-02-2025 (Friday)**

**VENUE:
On-line**

**TIME:
10.00 AM to 1.00 PM**

Patron

**Sri.K.Ranganadham,
Chairman**

Co-Patron

**Dr.K.L.Narayana
Academic Advisor**

Session Chair

**Dr.N.Venkatachalapathi
Principal**

Co-Chair

**Dr.M.Saravanan
Dean Academics**

Coordinantor

**Mr.M.Yugandhar
Asst.Prof**

Co-Coordinator

**Mr.B.Surya Prakash
Teaching Asst.**

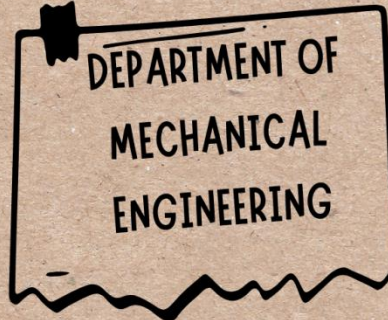
**Mr. N. Satish Kumar
HOD/Mech
Convener**

SREENIVASA INSTITUTE OF TECHNOLOGY AND MANAGEMENT STUDIES

ONE DAY
SEMINAR
ON
*Recent Advances in
Welding Techniques*



Dr N Venkatachalapathi
PRINCIPAL



Date : 18-02-2025

Online Mode

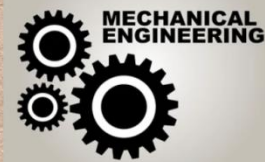
TIME : 10.00A.M TO 1.00P.M



Mr N Satish Kumar
HOD



RESOURCE PERSON
Dr Suresh R
Associate Professor
M.S.Ramaiah University of
Applied Sciences,
Bangalore



Coordinators
Yugandhar & Raju



**SREENIVASA INSTITUTE OF TECHNOLOGY
AND MANAGEMENT STUDIES
(SITAMS)
(AUTONOMOUS)
Department of Mechanical Engineering
(Mechanical Engineering Department Association- MEDA)**



**Institution's Innovation Council (IIC)
A Seminar on
"Recent Advances in Welding Techniques"**

Introduction:

On 18th Feb 2025, a Seminar on **"Recent Advances in Welding Techniques"** was organized by **Department of Mechanical Engineering** in Association with **Institution's Innovation Council (IIC), SITAMS**. **Dr. Suresh R**, Associate Professor, M.S. Ramaiah University of Applied Sciences, Bangalore, acted as a resource person for this event.

Welding is a conventional joining process that has followed the recent developments in other manufacturing processes, continuing to be an extremely used and investigated process. Several technologies developed in other areas of knowledge have converged in the area of welding, allowing significant improvements in the quality of the products obtained and in the increased productivity of the processes. Although some techniques have been implemented and studied for several decades, the interest of researchers in welding has not diminished, as it can be seen through new processes that have emerged, such as Friction Stir Welding, in addition to many other notable developments in welding processes which apparently seemed to have reached their final stage of maturity. This work brings together a set of very interesting works, being a living proof that welding continues to be heavily investigated and that the developments around this manufacturing process are constantly emerging. Because the materials continue to evolve and the technology around welding also continues to develop at a very good pace, studies on the weldability of new materials and the application of new techniques and technologies to already well known welding processes does not stop happening. The editors are proud to have collected this set of works that can help scholars and researchers to broaden their knowledge in the field of welding, thus contributing to the creation of a knowledge base that allows researchers to start new investigations and achievements in the coming decades.

Speaker Details	: Dr.Suresh R Associate Professor, M.S. Ramaiah University of Applied Sciences, Bangalore.
Covenor	: Mr.N.Sathish Kumar, HOD, Dept.of Mech.Engg. SITAMS.
Coordinator	: Mr.M.Yugandhar, Assistant Professor, Dept.of Mech.Engg. SITAMS.
Co-Coordinator	: Mr.D.Raju, Assistant Professor, Dept.of Mech.Engg. SITAMS.
President IIC	: Dr. M. Saravanan, Professor, Academic Dean, SITAMS
Date	: 18-02-2025
Venue	: Online
Target Audience	: All the Mechanical Engineering.

**Sreenivasa Institute of Technology and Management Studies (SITAMS)
Chittoor-517127**

SITAMS/Seminar/ 2024-25

Dt.20-02-2025

OFFICE ORDER

Department of Mechanical Engineering in association with **Institution's Innovation Council (IIC)** proposed to conduct a online Seminar is approved.

The Title of the event is **“Recent Advances in Welding Techniques”** and is scheduled on 18th Feb, 2025 from 10.00 AM to 1.00 PM.

The target participants for this event are students from II B.Tech, III B.Tech and IV B.Tech Mechanical Engineering branch..

An amount of Rs.3000/- (Rupees Seven Thousand only) towards Remuneration Rs.3000/- is sanctioned.

The Bills are to be submitted within one week of the completion of the program.

(Dr.N.VENKATACHALAPATHI)
Principal

Copy Submitted to:
Corresponding Head
Coordinators
IQAC & IIC
Account Section
Establishment section.



Sreenivasa Institute of Technology and Management Studies
(An Autonomous Institution, Affiliated to JNTUA, Ananthapuramu)
Approved by AICTE, New Delhi
Dr.D.Audikesavulu Marg, Murukambattu, Chittoor-517127

PROPOSAL TO ORGANIZE SEMINAR

Date: 12-02-2025

Academic Year: 2024-25

To
The Principal,
Sreenivasa Institute of Technology and Management Studies (SITAMS),
Chittoor.

Subject: Request for permission to organize Seminar -Reg.

Through: Mechanical Engineering Department in association with IIC, SITAMS.

Respected Sir,

On behalf of Mechanical Engineering department I would like to organize a One Day **online** Seminar on "**Recent Advances in Welding Techniques**" for Students of our institute; in this regard I request you to grant permission for conducting the program.

The details of event are:

Title of the event	Recent Advances in Welding Techniques	
Organizing department	Mechanical Engineering	
Sponsored by	SITAMS	
Date(s) of the event	18/02/25	
No. of days/hours	Days: 1	Hours: 3
Time	10.00 AM to 1.00 PM	
Overview of the event	Advanced welding techniques play a crucial role in the development of skilled welders and the quality of their work. Whether you choose to master TIG welding, MIG welding, flux-cored arc welding, plasma arc welding, or laser welding, each technique offers unique advantages and challenges.	
Objectives of the event	Advancements in automation and AI integration have significantly improved the capabilities of welding robots. Modern systems can now adapt to different welding conditions in real-time, and make adjustments to ensure optimal weld quality.	
Expected outcome(s) of the event	In the future, welding technology will become even easier to use. Due to the lack of workforce and lack of people understanding the welding process easy programming tools, remote programming, and remote control will become more common.	
Target group	Mechanical Students	
Registration fee	-	
Registration link in website	-	
Name(s) of speaker / Guest/Resource Person*	Dr Suresh R Associate Professor M.S.Ramaiah University of applied sciences, Banglore	
Contact information of the coordinators	Mr.M.Yugandhar, Assistant Professor, Department of Mechanical Engg., SITAMS Mr.D.Raju, Assistant Professor, Department of Mechanical Engg., SITAMS	
Event Coordinator		
Remarks by the Principal:		
Approved/Not Approved		
PRINCIPAL		

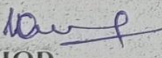
*Enclose profile of Speaker/Guest/Resource Person & Enclose Res...



Sreenivasa Institute of Technology and Management Studies
(An Autonomous Institution, Affiliated to JNTUA, Ananthapuramu)
Approved by AICTE, New Delhi
Dr.D.Audikesavulu Marg, Murukambattu, Chittoor-517127

1. BudgetDetails

S.No	ItemDescription	Amount per person or Item in Rs.Total Amount in Rs. Remarks(If any)	Total Amount in Rs. Remarks (If any)	Remarks (If any)
1	Honorarium to the expert/ speaker	Rs.3000		
2	TA/DA& stay arrangements of the expert/speaker	-		
3	Hospitality to participants (Refreshment/lunch & high Tea)	-		
4	Printing, proceeding certificates /banner, etc.	-		
5	Photo and CD of the program for records	-		
6	Travel (if some visit is planned)	-		
7	Course material, stationery and consumables	-		
8	Any other	-		
TOTAL		Rs.3000		
Coordinator Account Details: Dr Suresh R Account number : 916010019737952 Axis Bank, Rajajinagar Branch, Bangalore - 560010, IFSC : UTIB0000559				


HOD


PRINCIPAL

1. Copy to Dean Academics
2. Copy to IQAC Cell
3. Copy to Establishment Section

10:40

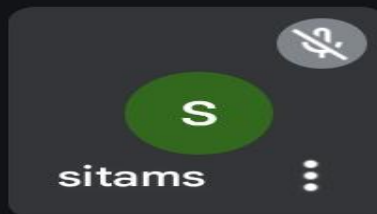
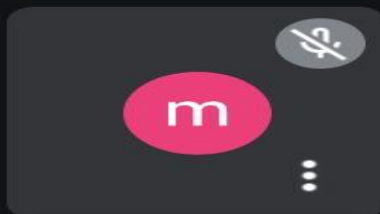
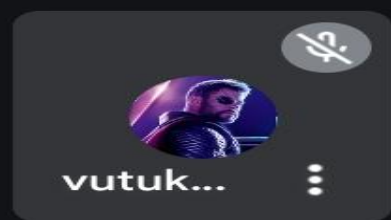
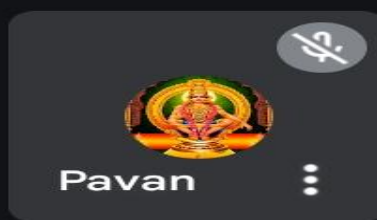
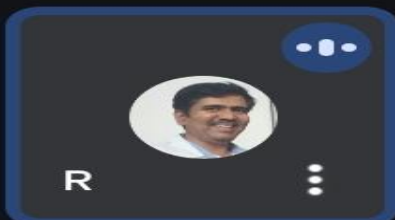
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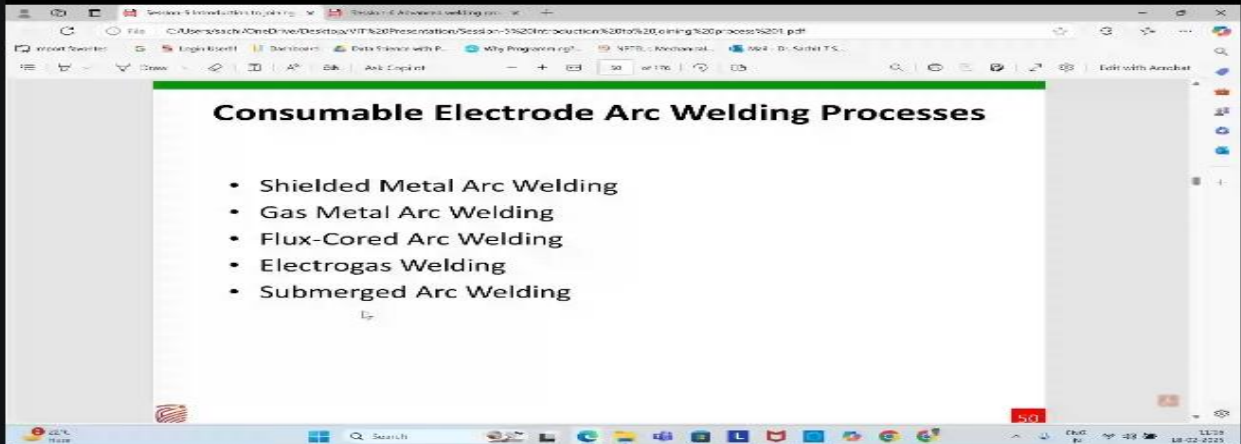


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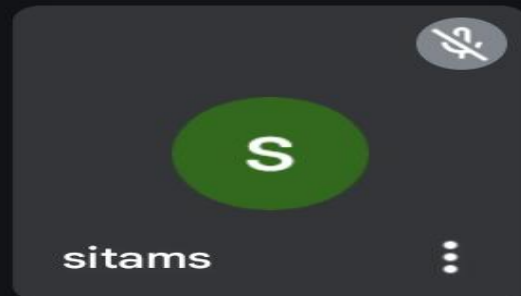
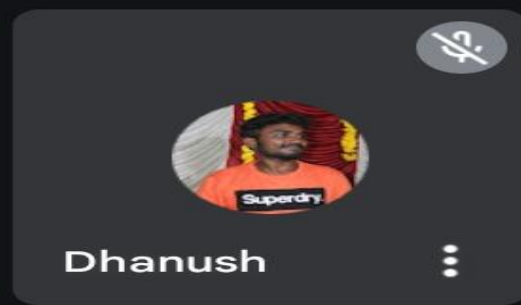
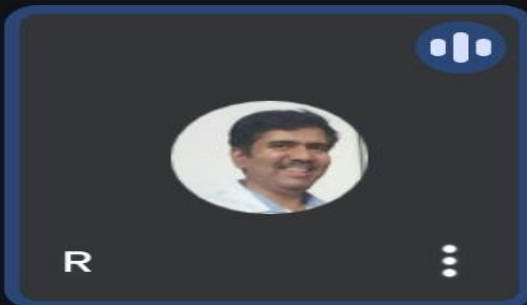
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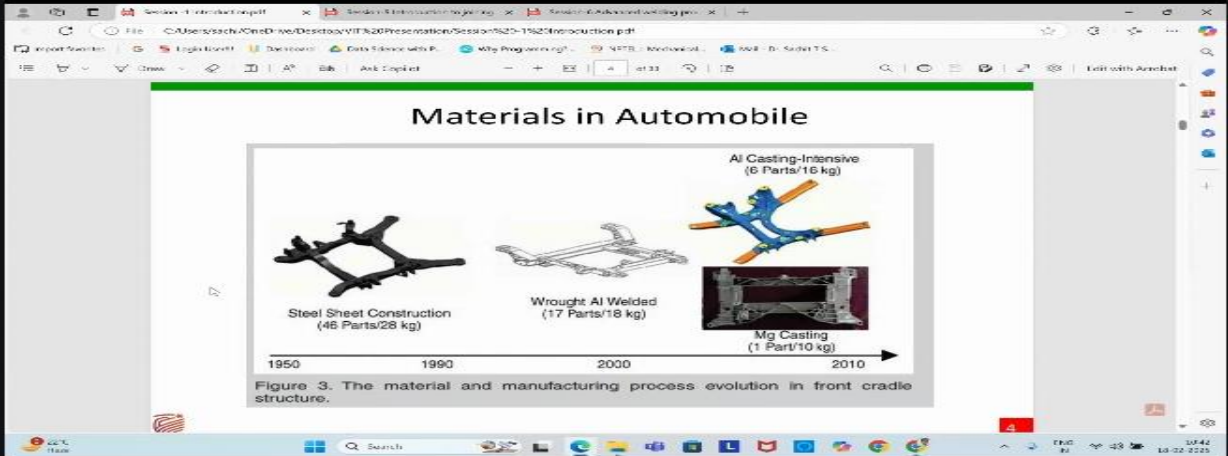


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Sreenivasa Institute of Technology and Management Studies
Murukambattu, Chittoor – 517 127, Andhra Pradesh (Autonomous)
(Department of ECE, CSE, EEE, MCA- NBA Accredited) Affiliated to JNTUA,
Ananthapuramu

Certificate of Participation

This is to certify that Mr./Mrs. K.Himavarsha Karthik Kumar, Roll No. 22755A0307, from Sreenivasa Institute of Technology and Management studies has participated in one day seminar on "Recent Advances in Welding Techniques" held on 18th February 2025 Organized by Department of Mechanical Engineering at Sreenivasa Institute of Technology and Management Studies (SITAMS) Chittoor, Andhra Pradesh.

Mr. M.Yugandhar
Co-ordinator

Mr. N.Sathish kumar
Convenor

HOD/MECH



**SREENIVASA INSTITUTE OF
TECHNOLOGY AND MANAGEMENT
STUDIES
(SITAMS)
(AUTONOMOUS)**

Department of Mechanical Engineering



**A Seminar on
Role of AI in Human Robot Interaction**



Resource Person

Dr. G. Kalaiaarassan, Assistant Professor,
School of Mechanical Engineering
Vellore Institute of Technology, Vellore.

Email: kalaiaarassan.g@vit.ac.in

DATE:
21-02-2025 (Friday)

VENUE:
**SITAMS-Sathya Kesav
Gallery**

TIME:
10.00 AM to 1.00 PM

Patron

Sri.K.Ranganadham,
Chainman

Co-Patron

Dr.K.L.Narayana
Academic Advisor

Session Chair

Dr.N.Venkatachalapathi
Principal

Co-Chair

Dr.M.Saravanan
Dean Academics

Co-ordinator

Mr.M.Yugandhar
Asst.Prof

Co-Coordinator

Mr.B.Surya Prakash
Teaching Asst.

Mr. N. Satish Kumar
HOD/Mech
Convener

Mr.A.Sreenivasan
HOD/CSD
Co-Convener

SREENIVASA INSTITUTE OF TECHNOLOGY AND MANAGEMENT STUDIES



ONE DAY SEMINAR ON ROLE OF AI IN HUMAN- ROBOT INTERACTION



RESOURCE PERSON
Dr. G Kalaiarassan
Assistant Professor
VELLORE INSTITUTE OF
TECHNOLOGY,
VELLORE

DEPARTMENT OF MECHANICAL
ENGINEERING AND
CSE - DATA SCIENCE

Date : 21-02-2025

TIME : 10.00A.M TO 1.00P.M

Coordinators

Yugandhar & Surya

Dr N Venkatachalapathi
PRINCIPAL

Mr N Satish Kumar
HOD-MECH

Mr A Srinivasan
HOD-CSE -DS



**SREENIVASA INSTITUTE OF TECHNOLOGY
AND MANAGEMENT STUDIES
(SITAMS)
(AUTONOMOUS)**

Department of Mechanical Engineering
(Mechanical Engineering Department Association- MEDA)



**Institution's Innovation Council (IIC)
A Seminar on
"Role of AI in Human Robot Interaction"**

Introduction:

On 21st Feb 2025, a Seminar on **"Role of AI in Human Robot Interaction"** was organized by **Department of Mechanical Engineering & CSE (DS)** in Association with **Institution's Innovation Council (IIC), SITAMS. Dr.G.Kalaiarassan**, Assistant Professor, School of Mechanical Engineering, Vellore Institute of Technology, Vellore, acted as a resource person for this event.

The integration of artificial intelligence (AI) into human-robot interaction (HRI) has witnessed significant advancements in recent years, revolutionizing the way humans and robots collaborate and coexist. This review provides a comprehensive overview of the latest breakthroughs in AI-driven HRI and identifies the challenges that lie ahead. Recent years have seen a surge in AI-driven capabilities that enhance human-robot interaction. Machine learning algorithms enable robots to adapt to user preferences and behaviors, creating personalized and intuitive interactions. Natural language processing (NLP) facilitates seamless communication between humans and robots, enabling voice commands and context-aware responses. Computer vision advancements empower robots with enhanced perception, enabling them to recognize and interpret human gestures, emotions, and facial expressions. Reinforcement learning has played a pivotal role in enabling robots to learn from human feedback and optimize their actions in real-time. Socially assistive robots leverage AI to provide emotional support and companionship, particularly in healthcare and elderly care settings. Despite these advancements, challenges persist in the field of AI-driven HRI. Ethical considerations, including privacy concerns and the responsible use of AI in influencing human behavior, demand careful attention. Ensuring the safety and security of AI-driven robotic systems remains paramount, requiring robust measures against malicious attacks and unintended consequences. Human-robot trust remains a critical challenge, necessitating transparent AI algorithms and effective communication strategies. Interdisciplinary collaboration between AI researchers, roboticists, psychologists, and ethicists is essential to address the complex socio-technical aspects of HRI. The fusion of AI and human-robot interaction holds immense potential to redefine various facets of our daily lives. This review highlights recent strides in AI-driven HRI, emphasizing the need for interdisciplinary efforts to address challenges and ensure the responsible development and deployment of AI-powered robotic systems. As researchers continue to innovate, the dynamic landscape of AI and human-robot interaction promises a future where seamless collaboration and coexistence between humans and robots become an integral part of our societal fabric.

Speaker Details	: Dr.G.Kalaiarassan, Assistant Professor, School of Mechanical Engineering, Vellore Institute of Technology, Vellore.
Covenor	: Mr.N.Sathish Kumar, HOD, Dept.of Mech.Engg. SITAMS.
Co-Covenor	: Mr.A.Sreenivasan, HOD, Dept.of CSD. SITAMS.
Coordinator	: Mr.M.Yugandhar, Assistant Professor, Dept.of Mech.Engg. SITAMS.
Co-Coordinator	: Mr.B.Surya Prakash, Tecahing Assistant , Dept.of Mech.Engg. SITAMS.
President IIC	: Dr. M. Saravanan, Professor, Academic Dean, SITAMS
Date	: 21-02-2025
Venue	: Sathya Kesav Gallery
Target Audience	: All the Mechanical Engineering & CSD Students.

**Sreenivasa Institute of Technology and Management Studies (SITAMS)
Chittoor-517127**

SITAMS/Seminar/ 2024-25

Dt.20-02-2025

OFFICE ORDER

Department of Mechanical Engineering & CSE (DS) in association with **Institution's Innovation Council (IIC)** proposed to conduct a Seminar is approved.

The Title of the event is **“Role of AI in Human Robot Interaction”** and is scheduled on 21st Feb, 2025 from 10.00 AM to 1.00 PM.

The target participants for this event are students from II B.Tech, III B.Tech and IV B.Tech Mechanical Engineering branch & II B.Tech, III B.Tech and IV B.Tech CSD.

An amount of Rs.5000/- (Rupees Seven Thousand only) towards Remuneration Rs.5000/- is sanctioned.

The Bills are to be submitted within one week of the completion of the program.

(Dr.N.VENKATACHALAPATHI)
Principal

Copy Submitted to:
Corresponding Head
Coordinators
IQAC & IIC
Account Section
Establishment section.



Sreenivasa Institute of Technology and Management Studies
(An Autonomous Institution, Affiliated to JNTUA, Ananthapuramu)
Approved by AICTE, New Delhi
Dr.D.Audikesavulu Marg, Murukambattu, Chittoor-517127

PROPOSAL TO ORGANIZE SEMINAR

Date: 20-02-2025

Academic Year: 2024-25

To
The Principal,
Sreenivasa Institute of Technology and Management Studies (SITAMS),
Chittoor.

Subject: Request for permission to organize Seminar -Reg.

Through: Mechanical Engineering Department & CSE (DS) in association with IIC, SITAMS.

Respected Sir,

On behalf of Mechanical Engineering department I would like to organize a One Day Seminar on "**Role of AI Human Robot Interaction**" for Students of our institute; in this regard I request you to grant permission for conducting the program.

The details of event are:

Title of the event	:	Role of AI Human Robot Interaction	
Organizing department	:	Mechanical Engineering	
Sponsored by	:	SITAMS	
Date(s) of the event	:	21/02/25	
No. of days/hours	:	Days: 1	Hours: 3
Time	:	10.00 AM to 1.00 PM	
Overview of the event	:	Human-robot interaction is an emerging field that includes user interfaces, human factors, robust In joint cognitive system designs, artificial intelligence is used along with human robot	
Objectives of the event	:	The goal is to build an intuitive, and easy communication with the robot through speech, gestures, and facial expressions.	
Expected outcome(s) of the event	:	AI-driven HRI has made significant strides in enabling more intuitive, adaptive, and socially intelligent interactions between humans and robots	
Target group	:	Mechanical Students & Data Science Students	
Registration fee	:	-	
Registration link in website	:	-	
Name(s) of speaker / Guest/Resource Person*	:	Dr G.Kalaiarassan Assistant Professor School of Mechanical Engineering, VIT-Vellore	
Contact information of the coordinators	:	Mr.M.Yugandhar, Assistant Professor, Department of Mechanical Engg., SITAMS Mr.B.Surya Prakash, Teaching Assistant, Department of Mechanical Engg., SITAMS	

M. Yugandhar
Event Coordinator

Signature
HOD

Remarks by the Principal:

Approved/Not Approved

Signature
PRINCIPAL

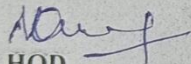
*Enclose profile of Speaker/Guest/Resource Person * Enclose Brochure



Sreenivasa Institute of Technology and Management Studies
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Approved by AICTE, New Delhi
Dr.D.Audikesavulu Marg, Murukambattu, Chittoor-517127

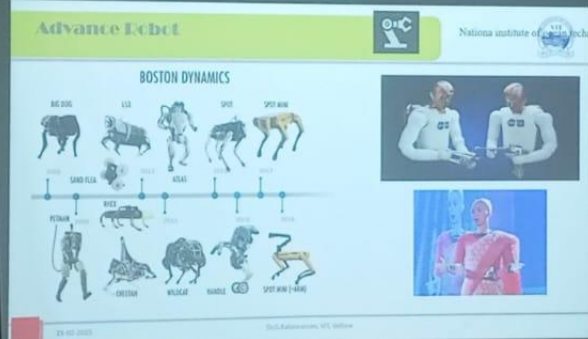
1. BudgetDetails

S.No	ItemDescription	Amount per person or Item in Rs.Total Amount in Rs. Remarks(If any)	Total Amount in Rs. Remarks (If any)	Remarks (If any)
1	Honorarium to the expert/ speaker	Rs.5000		
2	TA/DA& stay arrangements of the expert/speaker	-		
3	Hospitality to participants (Refreshment/lunch & high Tea)	-		
4	Printing, proceeding certificates /banner, etc.	-		
5	Photo and CD of the program for records	-		
6	Travel (if some visit is planned)	-		
7	Course material, stationery and consumables	-		
8	Any other	-		
TOTAL		Rs.5000		
Coordinator Account Details: Dr G.Kalaiaarassan Account number : 293001002255029 City Union Bank, VIT Branch, Vellore - 632014, IFSC : CIUB0000293				


HOD


PRINCIPAL

1. Copy to Dean Academics
2. Copy to IQAC Cell
3. Copy to Establishment Section



Chittoor, Andhra Pradesh, India
63ww+whp, Chittoor, Andhra Pradesh 517004, India
Lat 13.247466° Long 79.09616°
21/02/2025 11:26 AM GMT +05:30

GPS Map Camera









Chittoor, Andhra Pradesh, India

63ww+whp, Chittoor, Andhra Pradesh 517004, India

Lat 13.247597° Long 79.096445°

21/02/2025 11:41 AM GMT +05:30



GPS Map Camera



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Mr. M.Yugandhar
Co-ordinator

Mr. N.Sathish kumar
Convenor

HOD/MECH