



**SAVEETHA
ENGINEERING COLLEGE**

AUTONOMOUS



Affiliated to Anna University | Approved by AICTE

PALS – 2021-22

PALS - Activities held in the month of April and May 2022

Below is the list of events that were conducted during the month of April and May 2022:

- PALS INDUSTRY SPEAKS CORE ON 4th APRIL 2022
- STUDENT LEADER WORKSHOP III - 08.04.22
- DIGITAL on 11th April 2022 between 01.30 PM - 03.30 PM
- PALS CARES AND SHARES on SATURDAY, APRIL 30th 2022, 10.30 AM - 12.30 PM
- PALS ANALYZE : CASE STUDY EVENT, APRIL 22nd 2022.
- INTERNSHIP WITH RuTAG
- PALS VLAB FACULTY MEET – 7th May 2022, 10.30AM - 12.30PM
- In-reach Research @IITM program at IC&SR Auditorium on Friday 3rd June 2022 from 10.30 to 12.30 Hours

Activity – 1

PALS INDUSTRY SPEAKS -CORE on 4th April 2022 1.30 PM – 3.30 PM

Topic: Introduction to Stainless Steels and their Applications

Speakers : Mr. Rohit Kumar, Executive Director ISSDA & J Ravindranath ,Advisor, ISSDA

Brief Abstract:

Stainless steel is a group of iron-based alloys that contain a minimum of approximately 11% chromium, a composition that prevents the iron from rusting, as well as providing heat-resistant properties. Different types of stainless steel include the elements carbon (from 0.03% to greater than 1.00%), nitrogen, aluminum, silicon, sulfur, titanium, nickel, copper, selenium, niobium, and molybdenum. Specific types of stainless steel are often designated by a three-digit number. Please visit further for the given website :<http://stainlessindia.org/>

Speaker Profile:

Mr. Rohit Kumar, Executive Director ISSDA:

Mr. Rohit Kumar is presently Executive Director at Indian Stainless Steel Development Association. He brings with him a wealth of experience in various aspects of the stainless-steel industry. He is a post graduate in metallurgy from IIT Kanpur. Prior to joining ISSDA he has been associated with Jindal stainless in their research and development department and has also gained experience in product development of long products while working with Sunflag Iron and Steel.

Mr. Ravindranath Jonna:

He completed his B.Tech (Metallurgy) from IIT, Madras in 1977. He joined SAIL, Salem Steel Plant, Salem in 1978 as Management Trainee (Technical) and worked in Production, Planning, Customer Services,

Market Development, Domestic Marketing and Exports. He has travelled across the globe during his fifteen years stint as in-charge of Exports. He received the Jawahar award for his contribution in improving exports from SSP. He has also received Regional Top Exporter Shield from EEPC (SR) for record growth of Exports. He superannuated in 2015 as DGM (Marketing), in-charge of Stainless Steel Marketing from SAIL, CMO. He has settled down in Visakhapatnam and presently helping ISSDA as advisor in spreading the knowledge about Stainless Steels & cost-effective uses of SS to improve the consumption in India.

Certificate Eligibility:

Attendance Certificate: Will be given to each participant, who register, mark their attendance during the session, participate in the interactive quiz and provide feedback at the end of the session.

Prize Winning Certificate / Sparkling Stars: A quiz link will be published post the session. Students performing well (above 60% in both Core engineering quiz and PALS IND SPEAKS CORE lecture based quiz) will be given sparkling star certificate and winners will be given certificate as well.



PALS 2021 – 22



INDUSTRY SPEAKS - CORE

SPEAKERS

Mr. Rohit Kumar, Executive Director ,ISSDA & J Ravindranath ,Advisor, ISSDA

TOPIC

INTRODUCTION TO STAINLESS STEELS AND THEIR APPLICATIONS

Date : 4th APRIL 2022 || Time : 1.30 PM –3.30 PM
VIRTUAL EVENT

PHONE +91 95002 54011
EMAIL palspgm@palspgm.com
WEB SITE www.palspgm.com

With the Support from
INDUSTRY PARTNERS

IIT Madras Alumni Association Office,
CCW building,
IIT M Campus,
Chennai – 600 036

Activity -2

STUDENT LEADER WORKSHOP III - 08.04.22

As we come to the end of the academic year, it is also time to review our PALS Student Leader performance.

In the first workshop in Sept' 2021, we had the initial introductions and teams discussing their possible plans to popularise PALS in their institutes, review of PALS events internally with EC members and regular reporting on these activities. It also required their participation in events within and out of the institutes to experience team work and leadership.

We had a second workshop on Jan 22, when we had an update of your plans that were executed and their status. This workshop also included a short session on “ Group Discussion Basics” on which we had sought your feedback on your learning from this session.

Following the review we had also communicated that Student Leaders complete an online MOOC course of their interest as part of the this program. We expect you to furnish the completion certificate for this course. A link would be provided where this could be uploaded by 7th April 2022 (- prior to the final review on 8th April 2022) .

To evaluate Student leader performance, we conducted an interview of the SLs of each of the institutes by a panel from PALS .

Date of review: 8th April 2021

Time ; starting 2.00 pm

- a. There would be three “interview panels” of PALS - personnel.
- b. Each of the 32 PIs would be divided into three groups, who would be interviewed by this panel.
- c. Each interview would be for a total duration of 12- 15 minutes.

Student leaders were requested to prepare a short presentation (one presentation – 7-8 slides on which both the SLs will speak, duration 5 min) covering the following :

1. Activities that were done in the period from Jan '22 - till date
2. Review of their participation in PALS events
3. Their experience as student leaders and learnings from the role.
4. What are the 1 or 2 main “ take away’s” that you would implement going forward

S.NO	COLLEGE NAME (B1)	COLLEGE NAME (B2)	COLLEGE NAME (B3)	REPORTING TIME
1	SAVEETHA	ALPHA	DR.MGR	01.45 PM
2	SONA	MEPCO	NANDHA	02.00 PM
3	SVCE	RAMCO	KCG	02.10 PM
4	KIT	TCE	VCET	02.20 PM
5	EASWARI	VCEW	LICET	02.30 PM
6	KPRIET	VIT	HITS	02.40 PM
7	MAMCET	SRM KTR	SRM RMPM	02.50 PM
8	SAIRAM	RVSCET	DR.NGP	03.00 PM
9	KSRCT	KSRIET	KCET	03.10 PM
10	AALIM	KEC	KSRCE	03.20 PM
11	SVES			03.30 PM

Activity – 3

PALS INDUSTRY SPEAKS -DIGITAL on 11th April 2022 between 01.30 PM - 03.30 PM.

Title of the Session : Unmanned Aircraft Systems- “UAS” Awareness conducted by Deepcyan Software Technologies

Brief Abstract:

In this Awareness program we wish to cover ▶ the fundamentals of how Drones fly ▶ the evolution of aviation industry and recent technological advances that have made UAS a key commodity of today’s age ▶ commercial applications and how to start a career in this field ▶ UAS Design, Traffic management and the future

Includes ▶ real-time flight simulator demo ▶ remote control modelling for hobby drones The last section (30-35 minutes) will give a high level view of careers in Cybersecurity domain and skills needed to build for someone who wishes to pursue a career in this domain.

Profile of the Speaker:

Abul is an Author, Inventor, Engineer, and Entrepreneur. He has completed Air-craft Maintenance Engineering (AME). After the completion of the course, He shifted to Manila Aviation, Philippines to obtain the experience of Bell 407 Heli-copter and Super King Air B200 aircraft. Also, accomplished accreditations in Human Factors, Aircraft Systems, Jet Engines, and Airframe, identified with nar-row-body aircraft, such as A320, A340, and B737. Later on, He joined a privately held UAV Company as a UAV Technical Engineer, where, during the exploration of Unmanned Aerial Vehicles, He transmuted his ‘Manned Aircraft’ knowledge into ‘Unmanned Aircraft’ and designed ‘India’s first Drone crash course study material’. Presently,

He is working as a Vice-President Autonomous Systems at ANS. PVT. LTD. His recently formed UAV include VTOL UAV with Virtual Pilot and inventions comprise 'Blended wing body flapless VTOL UAV, controlling with bleed air motion control system' and more. As well as he authored a book "Elements of UAS", which comprises a detailed description related to all elements of the Unmanned Aircraft System. Awards: i) In 2017, 'Entrepreneur Mag-azine' printed about his Business effort in DRONE Sector. ii) In 2018, Nominated for 'Visakhapatnam Manufacturing Leadership Award'. iii) In 2020, won the 'Young Achievers Award 2020' in the DRONE Sector.

Flash Quiz

A minimum of two quiz events are planned during the session.

Post Session Activity / Project:

Students can self-organise into teams of 3-6 people and pick one of the problem statements that would be shared during the session. To be started during the lecture and continued offline at the student teams' preference. Final submissions to be submitted as a report within 3 days from the date of the lecture i.e. by 14th April 2022 6 PM. Link for uploading will be provided.

Software requirement : At least one attendee per team must install Ardupilot Mission Planner from [this URL](#) (follow the [installation instructions here](#)).

The company will revert with their assessment of the submissions. Successful teams will be awarded a certificate and could be considered for short term internships if interested.

Certificate Eligibility:

Attendance Certificate: Will be given to each participant, who register, mark their attendance during the session, participate in the interactive quiz and provide feedback at the end of the session.



PALS 2021 – 22

INDUSTRY SPEAKS - DIGITAL

SPEAKERS

Abul Kalam Khan; Sayandeep Purkayasth; Arun Iyer
Deepcyan Software Technologies (OPC) Pvt. Ltd.; ANS PVT. LTD.

TOPIC

UNMANNED AIRCRAFT SYSTEMS AWARENESS

Date : 11th APRIL 2022 || Time : 01.30 PM – 03.30 PM

VIRTUAL EVENT

PHONE +91 95002 54011
EMAIL palspgm@palspgm.com
WEB SITE www.palspgm.com

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IIT Madras Alumni Association Office,
CCW building,
IIT M Campus,
Chennai – 600 036

Activity – 4

PALS CARES AND SHARES on SATURDAY, APRIL 30th 2022, 10.30 AM - 12.30 PM

“Tier 2 / 3 towns leading the way in building a rapidly growing Entrepreneurial Eco-System – Refreshing lessons from Eco-System Partners”

This event was supported by Nativelead - a one-of-a-kind platform for empowered and established natives of various small towns to interact with and influence aspiring entrepreneurs from the region. Through Nativelead, the leaders can invest their expertise, knowledge, contacts, wisdom, time and money in the promising entrepreneurs and reap wholesome and soulful returns.

DATE & TIME:

SATURDAY, APRIL 30th 2022, 10.30 AM - 12.30 PM

PROPOSED PANEL:

- **SIVARAJAH RAMANATHAN** - CEO TAMIL NADU STARTUP AND INNOVATION MISSION, TANSIM (GOVERNMENT OF TAMIL NADU UNDERTAKING).
- **SUGUMAR NAGARAJAN** - PARTNER & EXECUTIVE DIRECTOR ANIL FOODS
- **NAGARAJ PRAKASAM** (FARMER) - CO-FOUNDER, CHAIRMAN NATIVE LEAD FOUNDATION (NLF)
- **JK MUTHU** - MD OF TONE DEALINGS PVT LTD & CHAIRMAN, DIGIT – ALL

MODERATOR

- **M V SUBRAMANIAN (MVS MANI)** - FOUNDER AND MANAGING DIRECTOR OF FUTURE FOCUS INFOTECH AND LEAD INVESTOR IN INDIAN ANGEL NETWORK (IAN) & DIRECTOR NATIVE LEADS

SCOPE OF THE SESSION:

This session of PALS CARES AND SHARES is specially to reveal successful case studies from entrepreneurs out of Tier 2 / Tier 3 towns and how they created flourishing businesses from humble beginnings, facing challenging environmental restrictions. Session will also highlight how some of these successful local entrepreneurs are now trying very hard to help build next generation entrepreneurs. Panelists will also give strong perspectives on how ecosystem partners like Governments and Industry bodies are throwing in their weight to provide helping hand to aspiring startups from the local communities.

PALS CARES AND SHARES WEB SERIES



TOPIC

**“TIER 2 / 3 TOWNS LEADING THE WAY IN BUILDING A RAPIDLY
GROWING ENTREPRENEURIAL ECO-SYSTEM”
REFRESHING LESSONS FROM ECO-SYSTEM PARTNERS**

PANEL OF SPEAKERS

Mr. SIVARAJAH RAMANATHAN

CEO Tamil Nadu Startup and Innovation Mission,
TANSIM (Government of Tamil Nadu Undertaking)



Mr. SUGUMAR NAGARAJAN

Partner & Executive Director Anil Foods



Mr. NAGARAJ PRAKASAM

Co-Founder, Chairman Native Lead Foundation (NLF)



Mr. JK MUTHU

MD of Tone Dealings Pvt Ltd & Chairman, Digit - ALL



MODERATOR - M V SUBRAMANIAN

Founder and Managing Director of Future Focus Infotech & Lead investor in Indian
Angel Network (IAN) & Director Native Leads



SATURDAY 30th APRIL 2022 BETWEEN 10.30 AM – 12.30 PM

Register for the event using the link or QR
code

<https://forms.office.com/r/nbabWNq0UW>



Zoom Meeting Details

<https://us02web.zoom.us/j/87542534167>

Meeting ID: 875 4253 4167

Passcode: 1611219

Live Streaming on YouTube

<https://youtu.be/Ew3DVZmmyAU>

Activity – 5

PALS ANALYZE : CASE STUDY EVENT – APRIL 22nd 2022

Announced the schedule for the PALS ANALYZE event for the current semester.

We have included one additional step, where student teams could interact with the industry experts on the particular case-for any clarifications / understanding etc. We hope the students would make use of this interaction, to be able to put together a better final solution.

Our participating PIs have been split into four batches and each batch is being communicated the relevant case which they would be required to work on and present.

EC members are requested to communicate the student team details for each of the cases – Core and Systems by 22nd April 2022. We also recommend that the teams have a mentor (like the PALS Innowah coordinator) to provide the teams with guidance / practical perspective.

The best presentations would be announced in the first week of May 2022.

We look forward to student team solutions to these industry problems.

To enable participating teams to get a better understanding of the problem and the expectation in the solution, we have scheduled a 30 min session with the industry experts in the zoom meeting link on 23rd April between 6.00-6.30 PM.

Activity – 6

INTERNSHIP WITH RuTAG

We are happy to share the opening of the internship with RuTAG.

Summer Internship Requirements

Opening - 4-5 interns

Branches: Mechanical, automotive, production, civil (but open to all branches)

Duration: 4-6 weeks

Stipend: Rs 10000-15000

Topic: Supply-chain for rural small-scale/micro-scale fabricators

This project involves survey and analysis of small-scale/micro-scale fabricators located in rural and peri-urban areas.

Activity – 7

PALS VLAB Faculty Meet on 7th May 2022 from 10.30am to 12.30pm in virtual mode.

Participation in the PALS VLAB Faculty Meet is required for

- (a) PALS VLAB Coordinator Faculty of the Institute**
- (b) Faculty who underwent FDP training in VLAB**
- (c) Faculty who are participating in the New Development Experiments and other VLAB activities.**

Other Faculty in your institute to participate in this event to get to know of this evolving technology. Please share the details with them.

Abstract of the Event:

Virtual Reality to provide immersive Experiential learning – a logical extension of Virtual Lab

Virtual labs provide experiential learning modules on every engineering and science concepts focusing on familiarizing faculties of various Technical and Science Institutes to this latest visualization advancement having academic significances. The moot objective here is to make every learner get acquainted to an immersive experiential learning opportunity where every learner virtually gets into the machine and can experience the working, operation as well as assembly through a 360-degree view provided by this advanced tool called Virtual reality (VR).

Currently Virtual Lab is a 2D representation and simulations for providing experiential learning at the learner's place, pace and period (time). Using VR one gets an interactive 360-degree view learning system which provides the learner with a high-definition immersive experiential learning insights.

During this Faculty meet NITK team and M/s Feast software team have planned a VR demonstration aimed to give every participant to get introduced to the nuances of this technology.

Agenda:

Time	Description	Resource Person
10.30 am -10.45 am	A Brief on VLAB Activities for 2021-22	Krishnamurti Rao, PALS
10.45 to 11.00 am	Virtual Reality - A logical extension of Virtual Lab	Dr KV Gangadharan, NITK
11.00 to 11.30 am	Virtual reality modules developed - Demo	NITK Team
11.30 am to 12.15 pm	Virtual reality modules demonstration	M/s. Feast software, IITB Startup
12.15pm -12.30 pm	Q&A	NITK Team

Registration Details:

- Dr. KRIPA M SUVARNA - ASSOCIATE PROFESSOR – MECH – 7996808280 - kripasuvarna@saveetha.ac.in
- Dr. Anitha Julian – PROFESSOR – CSE – 9840031459 - cse.anithajulian@gmail.com
- R.Kaladevi - ASSOCIATE PROFESSOR – CSE – 9710074931 - kaladevi@saveetha.ac.in
- Dr. RAMYADEVI. R - ASSOCIATE PROFESSOR – CSE – 9841372294 - ramyadevir@saveetha.ac.in
- Dr. Amit Kumar Varshney - ASSISTANT PROFESSOR – ECE – 9681956162 - amitkumar@saveetha.ac.in

- Dr. R. Senthil Kumar – PROFESSOR – EEE – 9841676685 - senthilkumar@saveetha.ac.in
- ARUNKUMAR K - ASSISTANT PROFESSOR – ECE – 9600981800 - arunkumar@saveetha.ac.in
- Dr.ARAVIND T - ASSOCIATE PROFESSOR – ECE – 8939633699 - aravind@saveetha.ac.in
- Dr. Kanagarathinam, L. - ASSOCIATE PROFESSOR – CIVIL – 7093800321 - kanagarathinaml@saveetha.ac.in
- Raji Pandurangan - ASSOCIATE PROFESSOR – ECE – 9003051625 - rajipandurangan@saveetha.ac.in



PALS 2021 – 22

PALS VLAB FACULTY MEET

Time	Description	Resource Person
10.30 am -10.45 am	A Brief on VLAB Activities for 2021-22	Krishnamurti Rao, PALS
10.45 to 11.00 am	Virtual Reality - A logical extension of Virtual Lab	Dr KV Gangadharan, NITK
11.00 to 11.30 am	Virtual reality modules developed - Demo	NITK Team
11.30 am to 12.15 pm	Virtual reality modules demonstration	M/s. Feast software, IITB Startup
12.15pm -12.30 pm	Q&A	NITK Team

DATE : 7th May 2022
TIME : 10.30 AM – 12.30 PM

EMAIL palspgm@palspgm.com

WEB SITE www.palspgm.com

**With the Support from
IITM & IITM Research Park**

IIT Madras Alumni Association Office,
CCW building,
IIT M Campus,
Chennai – 600 036

Activity - 8

In-reach Research @IITM program at IC&SR Auditorium on Friday 3rd June 2022 from 10.30 to 12.30 Hours

PALS was happy to announce the First Physical event for this year 2022-23. In-reach Research@IITM program at IC&SR Auditorium on Friday 3rd June 2022 from 10.30 to 12.30 Hours. This was the physical event happened in IITM Campus.

Target audience: All students aspiring to pursue research/academics as their career.



PALS 2022 – 23

In Reach Research @IITM

KEY NOTE SPEAKERS

Prof Shanthi Pavan, Dean Academics, IIT Madras

PANEL DISCUSSIONS

RESEARCH SCHOLARS OF IIT MADRAS

Date : 3rd JUNE 2022 || Time : 10.30 AM – 12.30 PM

VENUE:TTJ AUDITORIUM,ICSR,IIT MADRAS

PHONE +91 98402 54464

EMAIL palspgm@palspgm.com

WEB SITE www.palspgm.com

**With the Support from
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IIT Madras Alumni Association Office,
CCW building,
IIT M Campus,
Chennai – 600 036