

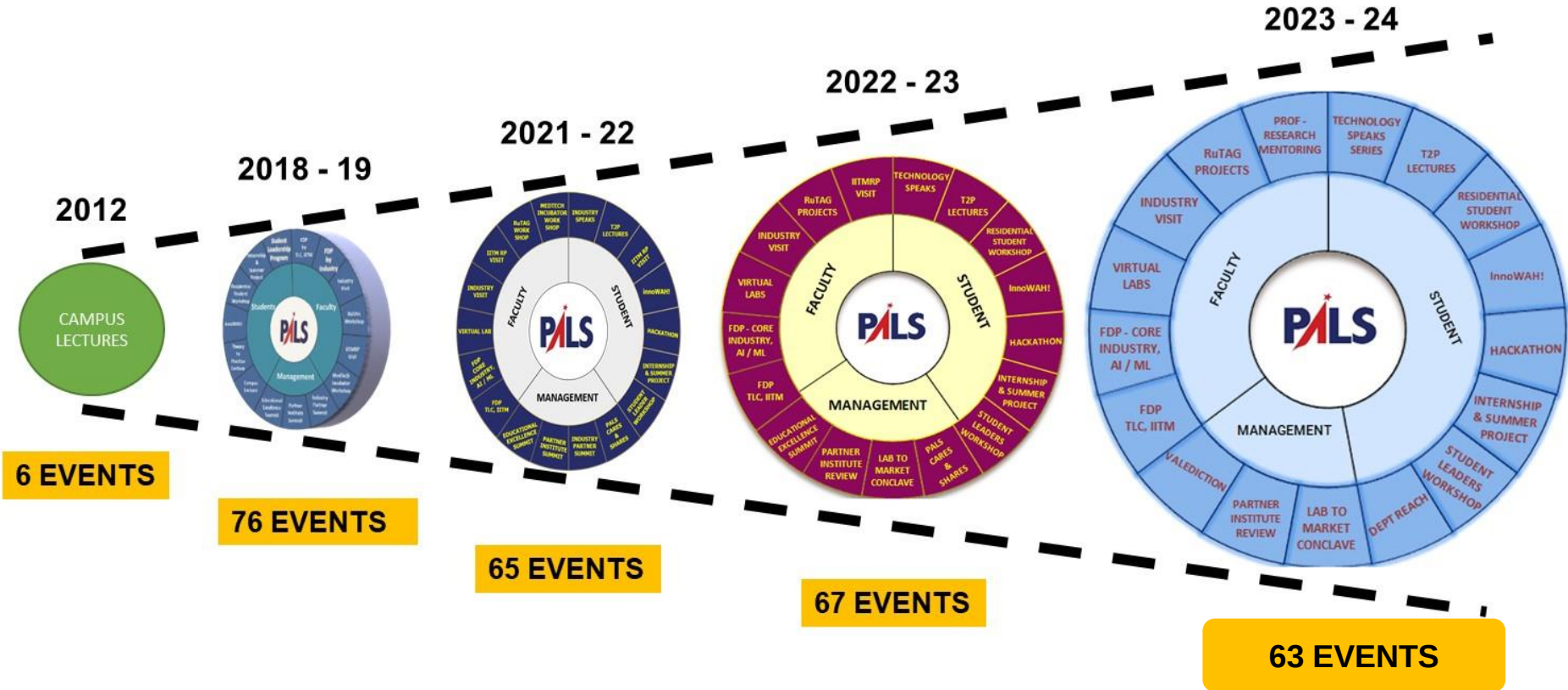
Annual Report and Way Forward



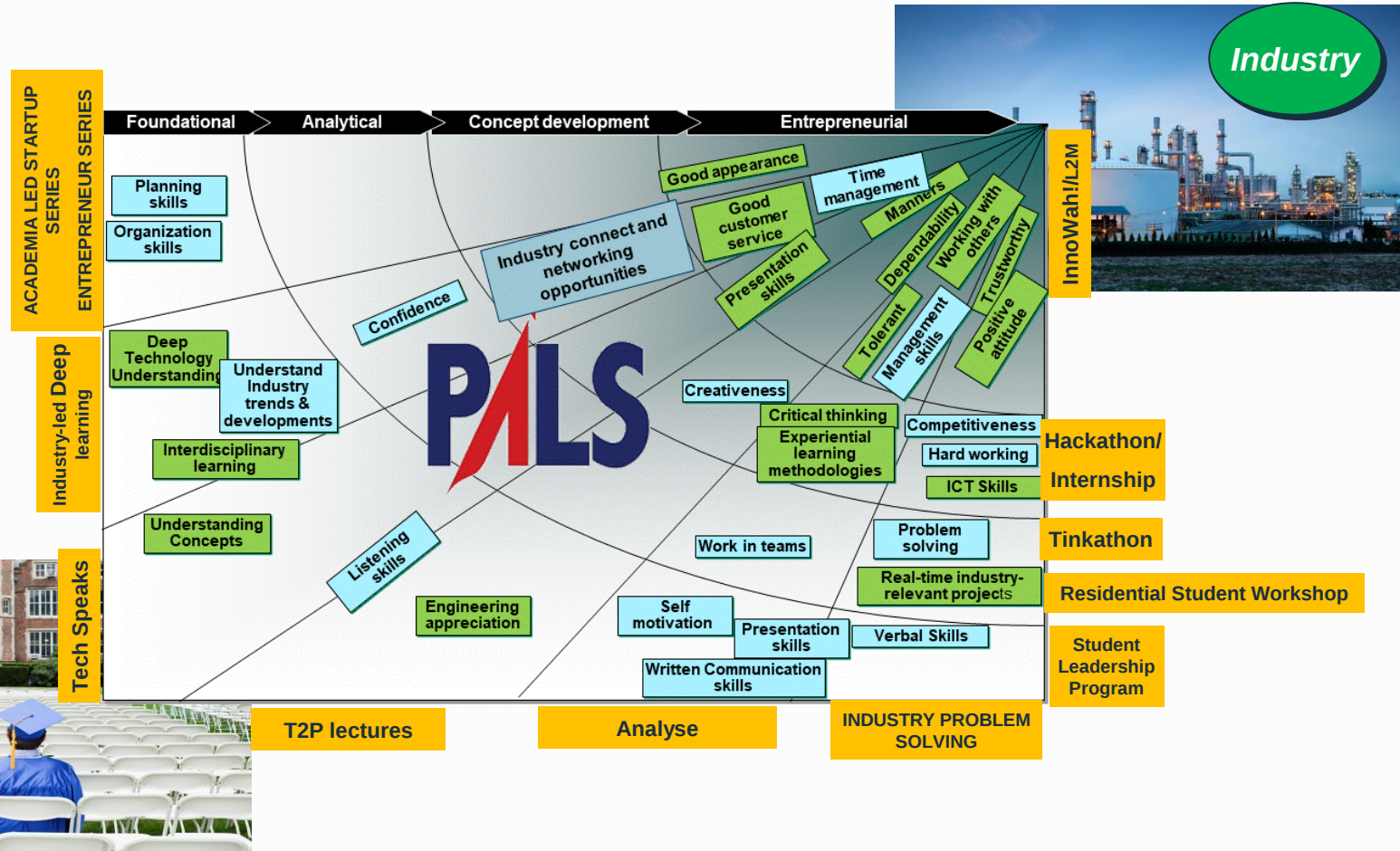
WHAT IS PALS

- Educational initiative by IIT Alumni Volunteers
- Engineering colleges- PALS Partner Institutions
- Value add to make students industry ready
- Platform for IIT Alumni
- Platform for IIT - Mother institute-social outreach bridge
- Platform for industry connect
- Platform for institutions to upgrade students/ faculty/ management- 360° initiative

PALS Journey



PALS Events – Progression from institute to industry



2023-24 PALS REACH OUT

OVERALL

44
PARTNER
INSTITUTIONS

14109
STUDENTS

2292
FACULTY

PALS PARTICIPATION
TN, KERALA,
KARNATAKA

31
PARTNER
INSTITUTIONS

12611
STUDENTS

1652
FACULTY

PERCENTAGE

70%

89%

72%

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PALS- SOCIAL OUTREACH BRIDGE FOR IIT

STUDENTS

- ❑ **Theory to Practice T2P** - Biomass to value- add products / battery management
- ❑ **Gate Awareness Sessions**
- ❑ **Residential Student Workshops**
- ❑ **IITM RP Visits**
- ❑ **L2M - Nirmaan pre- incubation & IITM RP Post- Incubation mentorship**
- ❑ **PALS ECU CTF** Qualifier / Final rounds/ train the trainers/Conclave – ***554 Participants (Faculty & Students) participated***

FACULTY

- ❑ **FDP Teaching Learning Center**
- ❑ **PROF** - Program on Research Outreach for Faculty – 2 faculty benefitted from the program
- ❑ **VLAB-** ***327 faculty participated from various Partner Institutes.***
- ❑ **FDP by Academia-** conducted by IIT Profs of IITH

MANAGEMENT

- ❑ **Educational conclave – ECU - Cybersecurity- International collaboration opportunity**

PALS- INDUSTRY CONNECT

STUDENTS

Deep Dive Industry-Assisted Lectures

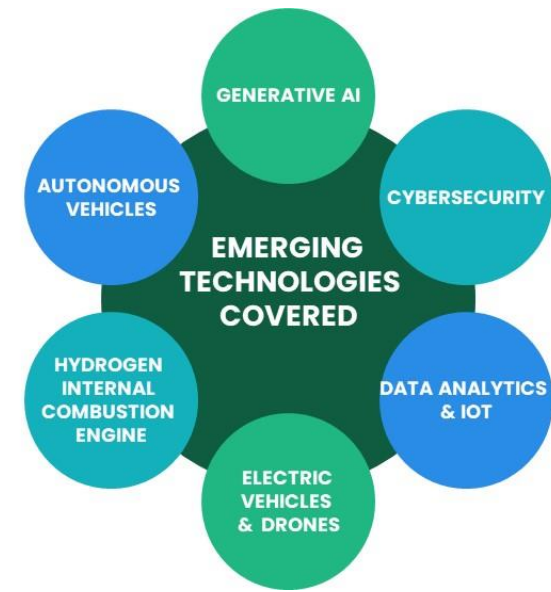
- ❑ IoT data modeling- IBM - Research Scientists
- ❑ UAV & Agriculture-Deepcyan - in process
- ❑ AI for IoT - IBM Research Scientists
- ❑ EV – Mortorz - Five project associates
- ❑ Hands-on sessions/ workbooks/ case studies/ post series quizzes etc.

- ❑ **Attendance of over 6905 students from PALS**

Institutions

Analyze

- ❑ Five groups of 8 colleges each
- ❑ Industry case studies
- ❑ **178 students participated**



IMPACT OF PALS- IBM COLLABORATION

IBM Research Labs has won the “IBM Global Volunteer Excellence Award” for which PALS-IBM programs on emerging technologies, reaching out over 4000 Student and faculty has been instrumental.

PALS 2023-24 INDUSTRY CONNECT

IBM India Research Lab

- FDP by Industry - Emerging Technologies & Real World Applications
- Faculty Build-a-thon
- Industry - Assisted Lectures Series On AI For IoT
- Industry - Assisted Lectures Series On IoT Data Modelling

Indian Oil Corporation

- Industry Visit - IOC Bottling Plant, Hyderabad
- RSW, innoWAH!, L2M

L&T Rubber Processing Machinery (LTRPM)

- Industry Visit- L&T Rubber Processing Machinery (LTRPM).

Shree Renga Polymers

- innoWAH! - Aware webinar for Entrepreneurs - From pet bottles to PM's coat
- innoWAH! - Pre-finals

Deepcyan Software

- Industry Assisted Lecture - Unmanned Aerial Vehicle (UAV) And Agriculture

Ashok Leyland Ltd.

- FDP By Industry - Engineering Sustainable Mobility

Meritus AI

- FDP by Industry - Emerging Technologies & Real World Applications

Murugappa Group - Tube Investments Of India Ltd.

- T2P - Battery Management In EV: A Theoretical Perspective.

The RAMCO Cements Ltd.

- Industry Visit - RAMCO Cements, Alathiyur Plant
- Industry Visit - RAMCO Cements, Jayanthipuram Plant Andhra Pradesh

Brakes India Foundry (BIF)

- Industry visit - Brakes India Foundry division, Shollinghur

Dell Technologies

- FDP by Industry - Emerging Technologies & Real World Applications

IQVIA

- FDP By Industry - Emerging Technologies & Real World Applications

MOTORZ

- Industry - Assisted Lectures Series On Electric Vehicles

Shanthi Gears

- Industry Visit - Shanthi Gears, Coimbatore

Tutr Hyperloop Ltd.

- Tutr Hyperloop Hackathon
- Internship

Thouway Technologies Pvt Ltd.

- Real-Time Industry Project

MELSS

- Resource person for Technical session at PALS Partner Institute

Saptang Labs

- Cyber Security Conclave

Udemy

- FDP by Industry - Emerging Technologies & Real World Applications

Uzhavarbumi

- L2m-entrepreneur Speaks

Crossbow Labs

- Cybersecurity Capture The Flag Competition
- Internship

EV Masterclass

- Workshop On Electric Vehicle Industry Insights

National Remote Sensing Center

- Industry Visit-national Remote Sensing Center

PALS- INDUSTRY CONNECT

FACULTY

FDP / Workshops

- ❑ FDP on cybersecurity / Emerging Tech / Engineering Sustainable Mobility
- ❑ 5 days Build-a-thon FDP on Cybersecurity conducted by IBM hosted at SRM Institution, Chennai
- ❑ FDP on Emerging Tech conducted by team of speakers from IBM / Meritus / Dell / Udemy
- ❑ Engg sustainable mobility FDP sessions conducted by Ashok Leyland team on hydrogen IC engines

Industry visits

- ❑ Industry visits- Brakes India Foundry/ L&T Rubber/ RAMCO cements/ Shanthi gears- TN region
- ❑ Industry visits- IOCL / National Remote sensing center NRSC / RAMCO cements / EV workshop & plant visit- Hyderabad / Telangana
- ❑ Industry academia tech conclave on cybersecurity and CTF hackathon with ECU from Australia as technology partner

Internships

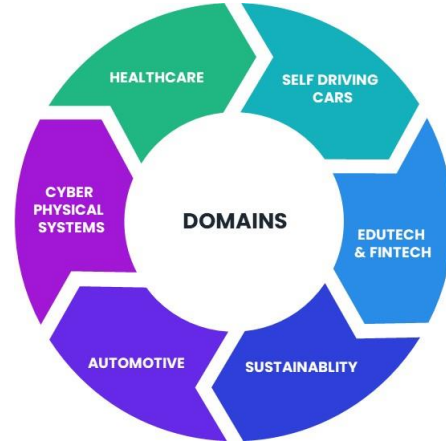
Internship offer received from tutr Hyperloop- 2 students joined them.

Internship offer with AeroDome

Internship offer with RuTAG Crossfyre

Offer to work as an Intern with IITM Professor

Internship offer with CrossLabs – Post the cybersecurity Capture the flag competition



PALS- THINK LIKE AN ENTREPRENEUR

innoWAH!

- ❑ Innawah- Entrepreneurship Lectures/ PyP/ Cluster Prefinals/ Finals
- ❑ Aware Webinar Series- Lean Business Canvas/ Refining Problem Statements/ Sustainability In Design Etc.
- ❑ **innoWAH! Pre-Finals For PALS Cluster Held At K G Reddy Institution Premises. Thanks Dr. Rohit**
- ❑ Best Innawah Projects Got Opportunity To Display In L2m Conclave
- ❑ **2065 Students from PALS Partner Institute participated in the Aware webinars and various stages of innoWAH!**

Focus Given To L2m

- ❑ L2m Conclave Theme Market Pitch
- ❑ Journey Of An Incubator- Sessions By Sona College/ SRM-KTR
- ❑ Entrepreneur Speaks- Vetrivel Palani Dairy Founder & CEO Industry Startup/ From Pet Bottles To PM Coat By Shankar CEO Shree Renga Polymers
- ❑ PALS Project Management & Proposal Writing Workshops
- ❑ Thouway Problem Discussion And Project
- ❑ Nirmaan And Incubation Opportunities
- ❑ **555 participants benefitted**

PALS- THINK LIKE AN ENTREPRENEUR

TINKATHON AND RSW

- ❑ Qualifier Online Test
- ❑ One Day Tinkathon Problem Solving Event Conducted In Clusters
- ❑ Think Create Engineer Residential Student Workshop 3.5 Days Event Fostering Creativity And Problem- Solving Skills For Students At IITM - 2 Sessions. ***Over 150 students participated.***

OUTCOMES

- ❑ Inculcating Creative Thinking
- ❑ Problem Solving Skills
- ❑ Teamworking And Leadership Skills
- ❑ Personality Development

PALSH HYDERABAD HUB COMPLETED FIRST SUCCESSFUL YEAR



Great enrolment efforts by Prof Murali and the PALSH Champions team resulted in 14 colleges joining hub.



Events conducted by Hyderabad hub:

A Workshop on 'EV Industry Highlights'

Industrial visits to IOCL Bottling Plant



A visit to outreach Centre of National Remote Sensing Centre (NRSC), Hyderabad

Industrial visit to RAMCO cements, Jayanthi Puram



Innowah pre finals event conducted at K G Reddy College of Engineering and Technology

FIRST YEAR ANNIVERSARY CELEBRATED IN IITH ON 15th JUNE



PALS – THE WAY FORWARD 2024-25

- ❖ BIGGER THRUST ON CORE ENGINEERING WITH SPECIAL EMPHASIS ON VALUE ADD USING EMERGING TECH.
- ❖ GATE AWARENESS- TRAIN THE TRAINER INITIATIVE
- ❖ L2M WILL BE A CONTINUOUSLY IMPROVED OFFERING AND FOCUS ON MARKET REACH AND COLLABORATIONS WITH NIRMAAN AND IITMRP.
- ❖ FDP PROGRAMS BY ACADEMIA FEATURING IIT PROFESSORS FROM IITM AND IITH
- ❖ WE HOPE TO EXPAND OUR BASE OF KEY INDUSTRY PARTNERS TO HAVE A GOOD BALANCE BETWEEN CORE AND IT BASED OFFERINGS.
- ❖ WE EXPECT HYDERABAD AND BENGALURU INDUSTRIES TO BECOME PART OF OUR INDUSTRY NETWORK
- ❖ IBM IS WORKING WITH PALS TO INCREASE THEIR OFFERINGS TO PALS PARTNER INSTITUTIONS IN A BIG WAY.
- ❖ VIRTUAL INDUSTRY VISIT PRESENTATIONS FOR BENEFIT OF STUDENTS.
- ❖ PALS GROWING INTO NEW HUBS. WHILE PALSH HUB GROWS FROM STRENGTH TO STRENGTH, WE ARE WORKING ON EXPANDING OUR REACH INTO KERALA AND KARNATAKA
- ❖ PALS LOOKING AT NPTEL PLUS PLATFORM IN ORDER TO REACH OUT TO LARGER NUMBER OF COLLEGES ACROSS INDIA
- ❖ PALS IN DISCUSSION WITH IITM ENERGY CONSORTIUM GROUP ON COLLABORATIVE PROGRAMS DURING NEXT ACADEMIC YEAR FOR BENEFIT OF OUR PARTNERS.
- ❖ PALS IN DISCUSSION WITH NAAN MUDHALVAN SCHEME OF TN GOVERNMENT ON HOW WE CAN ADD VALUE.

Thank You



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