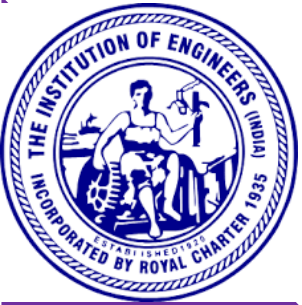


THE INSTITUTION OF ENGINEERS (INDIA)

TIRUCHIRAPPALLI LOCAL CENTRE
BHEL MAIN OFFICE ROAD, TIRUCHIRAPPALLI - 620 014

NEWS LETTER



**GOLDEN JUBILEE
CELEBRATION**

MAY - 2024
Vol. 05 - Pages :33

CONTENTS:

- National Maritime Day 2024 theme "Sustainable Shipping : Opportunities and Challenges
- Why there is a mystery around manufacturing ERP projects?
- Universe Formation.(Physical and Dynamics of Galaxies, Comets, Planets, and Stars)
- Integration of Additive Manufacturing into Conventional Manufacturing Processes Industrial Visit
- IEI-Students Chapter Inauguration
- IEI-Sponsored Workshop
- IEI-TLC Golden Jubilee Year Celebration



ABOUT IEI TIRUCHIRAPPALLI LOCAL CENTRE (TLC)

The Institution of Engineers (India) or IEI is the largest multidisciplinary professional body that encompasses 15 engineering disciplines and gives engineers a global platform to share professional interest. Tiruchirappalli Local Centre of the Institution of Engineers (India) is located in Bharat Heavy Electrical Limited (B.H.E.L.) factory campus, Tiruchirappalli, Tamilnadu very close to the great engineering marvel, "the 1000 years old Grand Anaicut aka Kallanai. Tiruchirappalli Centre was inaugurated in the year 1973. Technical lectures are being conducted every week covering all branches of engineering.

EDITORS

Er.R.Selvaraj FIE
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Er.R.Muhammad Ehsan MIE

Chairman

Dr.S.Ravimaran FIE

Hon.Secretary

Er.SP.Lakshmanan, MIE

Joint Secretary

Dr.S.Titus MIE
Er.R.Muhammad Ehsan MIE

EDITORIAL NOTE

Dear Members,

On behalf of The Institution of Engineers, Tiruchirappalli local Centre, the editorial board is happy to bring out the May month News Letter. In this issue, reports of technical and celebration day activities conducted by the TLC such as National Maritime Day 2024 theme "Sustainable Shipping : Opportunities and Challenges , Why there is a mystery around manufacturing ERP projects? Universe Formation.(Physical and Dynamics of Galaxies, Comets, Planets, and Stars), Integration of Additive Manufacturing into Conventional Manufacturing Processes Industrial Visit, IEI-Students Chapter Inauguration, IEI-Sponsored Workshop, IEI-TLC Golden Jubilee Year Celebration are presented. The committee of TLC meets every month under the leadership of our Chairman and secretary along with the senior members.

CHAIRMAN MESSAGE

Dear Esteemed Members,

We conducted our Golden Jubilee Celebration on 28th April 2024 in a grand manner. I extend my heartfelt thanks to our National President, State Chairman, all officials of the IEI Headquarters, and past Chairmen and Secretaries of IEI TLC for their support.

Our IEI TLC has grown significantly, with corporate membership increasing to 2,615. Additionally, around 865 students joined as student members of IEI. We have added approximately 10 student branches to our IEI TLC, all inaugurated by me in the last six months. This is a great achievement for our IEI TLC, made possible through the support of all our committee members.

I would like to express my special appreciation to our Secretary for his continuous support. My gratitude also goes to the past Chairmen and Secretaries of the chapter for their complete support and cooperation. With this spirit, we can continue to grow and add more laurels to our chapter in the coming years.

Warm regards,


Dr S Ravimaran
Chairman / IEI-TLC

Important Communications:

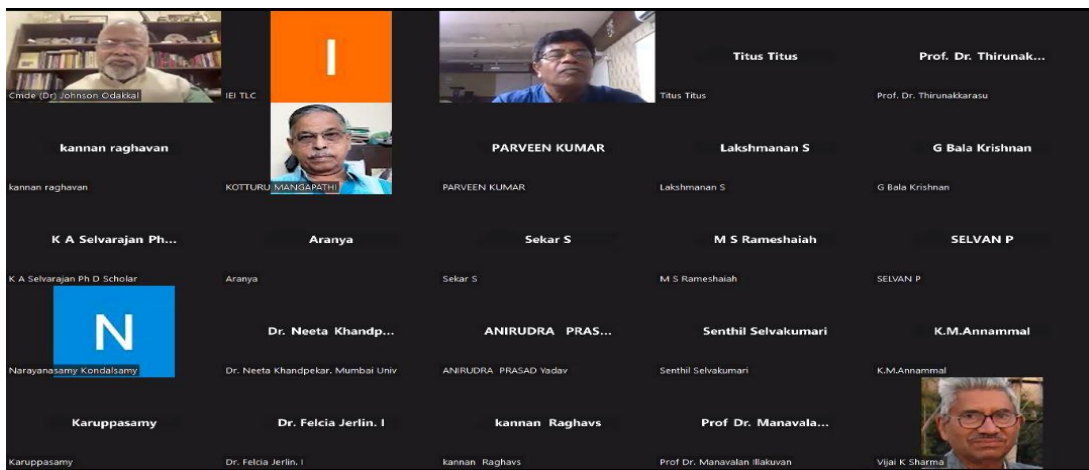
- IEI Tiruchirappalli Local Centre Chairman Dr.S.Ravimaran FIE inaugurated the student's chapter at M.A.M College of Engineering – on 30.04.2024, under Artificial Intelligence and Data Science.
- IEI Tiruchirappalli Local Centre Chairman Dr.S.Ravimaran FIE inaugurated the student's chapter at M.A.M School of Engineering – on 30.04.2024 under Mechanical Engineering division.
- IEI Sponsored International conference on "Emerging Trends in Engineering Science and Technology – ICETEST-2024" at K.Ramakrishnan College of Engineering (Autonomous) Tiruchirappalli, during 23rd and 24th May 2024.
- IEI Sponsored All India Workshop at K.Ramakrishnan College of Engineering (Autonomous) Tiruchirappalli, on "Recent Developments in Additive Manufacturing Process" during 24th to 25th May 2024.
- IEI Sponsored All India Workshop at K.Ramakrishnan College of Engineering (Autonomous) Tiruchirappalli, on "Role of AI in Hybrid Electric Vehicle and Battery Management Systems" during 7th and 8th June 2024.

TECHNICAL ACTIVITIES:

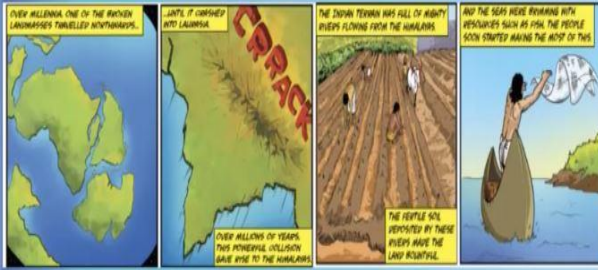
1.Title : National Maritime Day 2024 theme "Sustainable Shipping : Opportunities and Challenges

Name of Centre / Overseas Chapter:		TIRUCHIRAPPALLI LOCAL CENTRE	
Title of Activity:		National Maritime Day 2024 theme "Sustainable Shipping : Opportunities and Challenges	
Activity under Divisional Board		Statutory Days	
Date:	02-04-2024 at 06.00 p.m.	Mode:	Online
No. of Participants :36			
Speaker: Cmde (Dr) Johnson Odakkal, I.N. Retd Founder & CEO Johnson Odakkal Initiatives Faculty International Curriculum at Aditya Birla World Academy Adjunct Research Faculty at Naval War College, Goa			

The Tiruchirappalli Local Centre of The Institution of Engineers (India), in association with Indian Institute of Welding Tiruchirappalli branch, Computer Society of India, Tiruchirappalli Chapter, Safety Quality Forum - IEI /New Delhi, Indian welding Society Southern zone, Indian Institute of Metals Tiruchirappalli Chapter, Indian Institution of Industrial Engineering Tiruchirappalli, Indian Institution of Plant Engineers Trichy chapter, Kumari Arivial Peravai Kanyakumari and Indian Society for Non-destructive Testing Trichy chapter organized a lecture on 02nd April 2024 at 06.00 pm through virtual mode. Er.R.Selvaraj past chairman of IEI/TLC has presided over & welcomed the speaker Cmde (Dr) Johnson Odakkal, I.N. Retd. Founder & CEO Johnson Odakkal Initiatives,. Dr.S.Titus Committee member of IEI/TLC has introduced the speaker to the audience. Dr.S.Karuppasamy Past Chairman of IEI/TLC has proposed vote of thanks. Er.R.Selvaraj past chairman of IEI/TLC has proceeded the webinar.



100 Million Year Saga

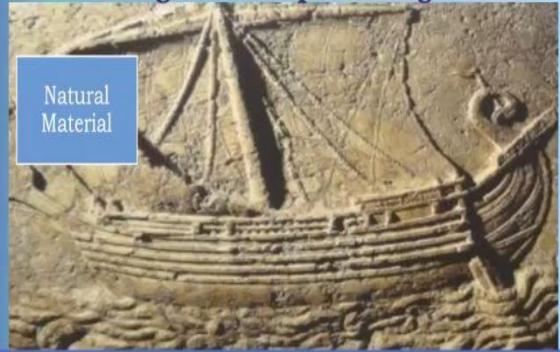


Visuals Courtesy : Amar Chitra Katha & Indian Navy



NMD 2024 : Sustainable Shipping

Indigenous Ship Building



Natural Material



NMD 2024 : Sustainable Shipping

Indigenous Ship Building



Natural Material

Selection of Wood

Fibre Sealants



NMD 2024 : Sustainable Shipping

Indigenous Ship Building



Natural Material

Selection of Wood

Fibre Sealants

Traditional Joinery

Handcrafted Sails

Wind, Tide & Currents

Community

Knowledge Transfer



NMD 2024 : Sustainable Shipping

Boat Building at Mandvi, Gujarat



Shipbuilding in Mandvi



Sea Vessels, Kotia



NMD 2024 : Sustainable Shipping

Mandvi, Gujarat



River Rukmati

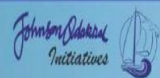


P.C. "The Hindu"



NMD 2024 : Sustainable Shipping

URUs of Beypore, Kerala



NMD 2024 : Sustainable Shipping

8

Traditional Boat Yards of Bengal



Chhot Boat-building in Progress



NMD 2024 : Sustainable Shipping

10

Modern Ship Building Saga



Hindustan Shipyard Limited (HSL)



NMD 2024 : Sustainable Shipping

13

Modern Ship Building Saga



Hindustan Shipyard Limited (HSL)



Mazgaon Docks Limited (MDL)



NMD 2024 : Sustainable Shipping

13



Maritime India Vision 2030



Johnson
Adakral
Initiatives



NMD 2024 : Sustainable Shipping

Will we Sustain Planet Ocean?



Johnson
Adakral
Initiatives



NMD 2024 : Sustainable Shipping

Integrate Coastal Communities



Intrinsic Knowledge



Community Framework



Success Case Studies



Johnson Odakira
Initiatives



NMD 2024 : Sustainable Shipping



Shipping 2047?




Johnson Odakira
Initiatives

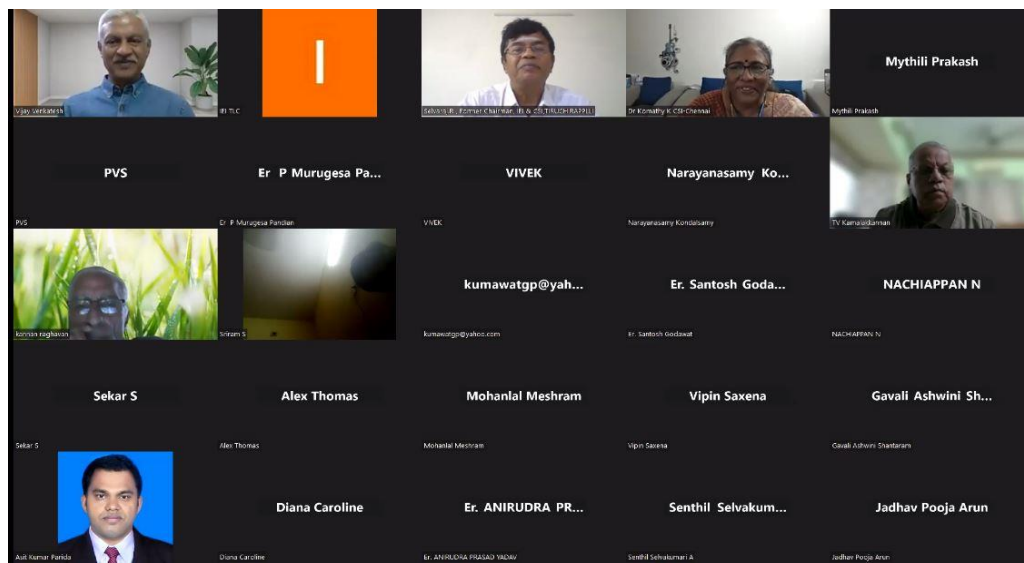


NMD 2024 : Sustainable Shipping

2. Title : Why there is a mystery around manufacturing ERP projects?

Name of Centre / Overseas Chapter:		TIRUCHIRAPPALLI LOCAL CENTRE	
Title of Activity:		Why there is a mystery around manufacturing ERP projects?	
Activity under Divisional Board		Computer Engineering	
Date:	09-04-2024 at 06.00 p.m.	Mode:	Online
No. of Participants : 52			
Speaker: Er.S Vijay Venkatesh, Co-founder and MD, M/s Syscon Solutions Pvt Ltd, Electronic Complex, Kushaiguda, Hyderabad-500062			

The Tiruchirappalli Local Centre of The Institution of Engineers (India), *Computer Society of India Tiruchirappalli Chapter*, in association with Indian Institute of Welding Tiruchirappalli branch, Safety Quality Forum - IEI /New Delhi, Indian welding Society Southern zone, Indian Institute of Metals Tiruchirappalli Chapter, Indian Institution of Industrial Engineering Tiruchirappalli, Indian Institution of Plant Engineers Trichy chapter, Kumari Arivial Peravai Kanyakumari and Indian Society for Non-destructive Testing Trichy chapter organized a lecture on 09th April 2024 at 06.00 pm through virtual mode. Er.R.Selvaraj past chairman of IEI/TLC has presided over & welcomed the speaker *Er.S Vijay Venkatesh, Co-founder and MD, M/s Syscon Solutions Pvt Ltd*. Dr.Gomathi Computer Society of India Chennai chapter has introduced the speaker to the audience. Er.R.Selvaraj past chairman of IEI/TLC proposed vote of thanks.





What is an ERP system?

Journey of Data confusion to Clarity

This is the only way the organisation can improve their decision making capabilities, meet customer commitments and control cost, importantly with no day-to-day firefighting.



List of Secret Sauce !

1. Industry-Ready ERP system
2. Waterflow configuration & implementation method
3. ERP deployment models
4. Strong Project management
5. Master Data and the opening balances
6. End-user training and user acceptance
7. Go-live
8. Internal and external audit validation
9. MIS and DSS
10. Master Data management
11. Ongoing support and enhancements
12. Top Management and board's direct Involvement



Industry Ready ERP system..

Indian Vs Western food



Stakeholders

- Board and Investors
- MD & CEO
- VPs, GMs
- Managers
- End-users

- ERP expert
- Project Manager
- Internal Auditors
- External Auditors

- Vendors
- Customers
- Sub contractors

ERP expert

- Who understands the business needs
- Configurations
- Business rules
- Statutory needs
- Sample Data
- User Acceptance Test. (UAT)
- Once system suitability is established, draw the time frame for the project plan till go - live.
- Here the role of ERP expert is over.



MIS (Management information) and DSS (Decision support)

This is the point the ERP will start delivering the ROI.

- ABC analysis and control excess inventories
- Customer payment follow ups. Delay payment analysis.
- Production excess consumption and rejections.
- On time delivery hit and miss. Reasons for the miss. Corrective actions.
- New orders, cancelled orders, revised MRP and differ or prepone the POs. (Avoid stock outs and save working capital)
- Identify KRAs and Fix KPIs
- Audits.



Ongoing support and enhancements


- New enhancements and bugfixes
- Re training of new joiners.
- Training and orientation on new features.
- Inclusion of new change in the Govt. laws and regulations.



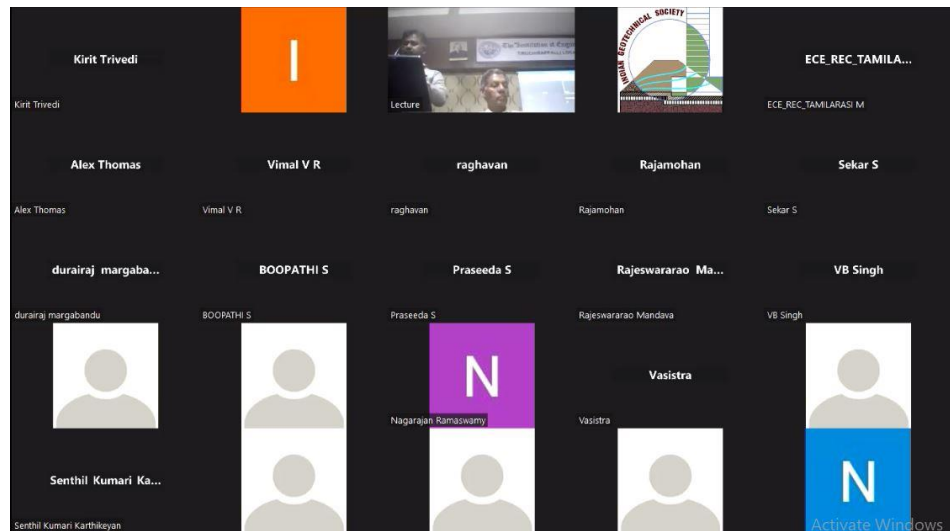
Project Manager

- Small companies the CEO or Some departmental manager will take care of the ERP project. This will be a total disaster. 100% failure guaranteed.
- This is like CM of a state saying, I don't need a Police. I will take care of my state.
- Small or Big, PM is a must. He or She has to be a external person.
- PM will be the single point of contact of the Client team. ERP team will also have PM. Only this structure will work well.
- The PM should have a fully backup of top management team.
- Regular review is important. Once in a while shouting on people will never help.
- In spite of small troubles and delays, Everyone has to be very positive about the ERP project. Never say a negative comments or remarks.
- People pulling down or causing deliberate delay should be asked to go.

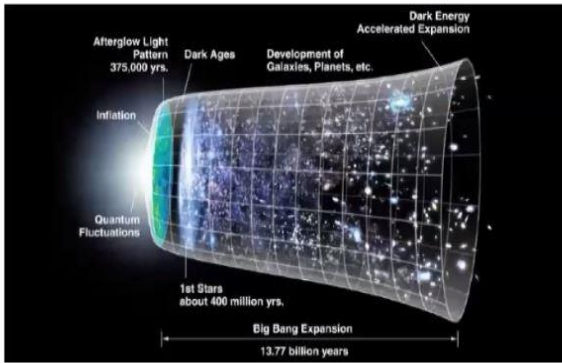
3.Title : Universe Formation.(Physical and Dynamics of Galaxies, Comets, Planets, and Stars)

Name of Centre / Overseas Chapter:		TIRUCHIRAPPALLI LOCAL CENTRE	
Title of Activity:		Universe Formation.(Physical and Dynamics of Galaxies, Comets, Planets, and Stars)	
Activity under Divisional Board		General & inter disciplinary	
Date:	16-04-2024 at 06.00 p.m.	Mode:	<i>Online and offline</i>
No. of Participants : 61			
Speaker: Er.Leela vinothan.A Former Additional General Manager Bharat Heavy Electricals Ltd. Public sector-India Tiruchirappalli -620 014			

The Tiruchirappalli Local Centre of The Institution of Engineers (India), in association with Indian Institute of Welding Tiruchirappalli branch, Computer Society of India, Tiruchirappalli Chapter, Safety Quality Forum - IEI /New Delhi, Indian welding Society Southern zone, Indian Institute of Metals Tiruchirappalli Chapter, Indian Institution of Industrial Engineering Tiruchirappalli, Indian Institution of Plant Engineers Trichy chapter, Kumari Arivial Peravai Kanyakumari and Indian Society for Non-destructive Testing Trichy chapter organized a lecture on 16th April 2024 at 06.00 pm through the hybrid mode and virtual mode. Dr.S.Ravimaran, chairman of IEI/TLC has presided over & welcomed the speaker Er.Leelavinothan.A, *Former Additional General Manager, Bharat Heavy Electricals Ltd.* Dr. Kevin Ark Kumar Immediate past secretary of IEI/ has introduced the speaker to the audience and proposed vote of thanks.

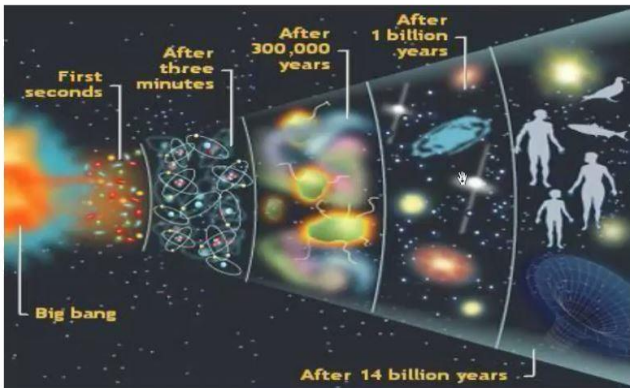


According to the Big Bang theory, the universe was born as a very hot, very dense, single point in space. Cosmologists are unsure what was the condition before this moment, but with sophisticated space missions, ground-based telescopes and complicated calculations, scientists have been working to understand. $E=MC^2$



Big Bang occurred, 13.8 billion (1380 crore) years ago, when the universe began as a tiny, dense, fireball that exploded. Most astronomers use the Big Bang theory to explain how the universe began. After the explosion, formed galaxies, stars, planets dust particles. The Fig explains period for each formation.

The EXPANSION AS PER ALBERT EINSTEIN FORMULA $E=MC^2$

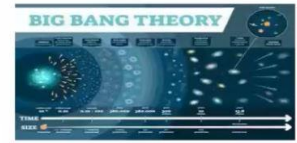
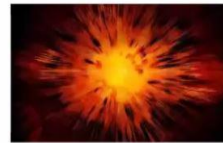


Sun and planets position . Inner 4 Planets- TERRESTIAL (SOLID). Mercury, Venus, Earth, Mars. Outer 4 Planets – ICE, gaseous. Jupiter, Saturn, Uranus, Neptune



$E=MC^2$ = Albert Einstein

- Scientists were not clear, earlier to big bang explosion, the condition of universe.
- Big bang is the extreme zero time limit for universe formation.
- As per ALBERT EINSTEIN $E=MC^2$.
- Scientist of the opinion, certain implosion might have occurred, particles attracted, and after certain limit of huge mass collection, sudden explosion would have occurred.
- From Zero (or) $+1-1=0$: positive energy creation is the result of energy taken from surrounding or negative energy created around. Similarly, before the big bang explosion, nothing clearly stated by scientist. Many assumptions are made by scientists.

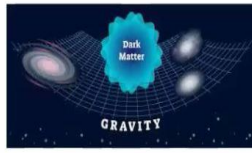


200 billion (20000 cr) galaxies in universe
100-400 (40000 cr) billion stars in Milky way galaxy. Aliens signals are received.



EARTH SECTION



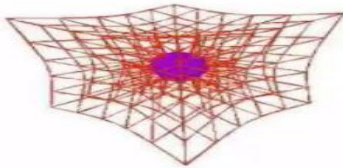


- Stephen Hawking one of the explanation, Space time (space net dip) attracts 2 masses, if the space time is in reverse (up curve), repel the masses, this repel force is the initiation for the big bang explosion.
- At the time of the big bang explosion, the energy released suddenly similar water bubble explosion in the vessel.
- Earlier when they saw the universe by telescope, they found black space, no matter found in between the galaxies. After 1960 when they saw with advanced telescope, they found black particles. In 1960 scientist Peter Higgs research, all the matter does not have mass and in 2012, Satyendra Nath Bose found every particle has the mass and the name given as God particles.

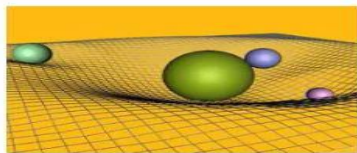
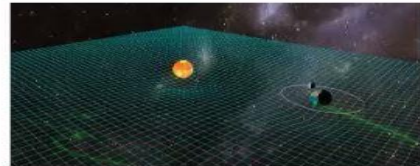
Donut, stars formation.

- **Planet formation:** Scientists think planets, including our solar system, are likely to start off as grains of dust smaller than the width of a human hair.
- They emerge from the **giant, donut-shaped disk** of gas and dust that circles **young stars**. Gravity and other forces cause **material within the disk to collide**.
- Over time, dust particles combine to form pebbles, which **evolve into big rocky mass**.
- As these planet orbit around their star, they clear material from their path, leaving tracks of space empty.
- At the same time, the star gobbles up nearby gas and pushes more distant material farther away due to **Bary Centre, centrifugal force**. After billions of years, the disk will have totally transformed, much of it now in the form of Universe.
- Where the disk is colder, far enough from the star that water can freeze, tiny fragments of ice with dust. Dirty snowballs can amass into giant planetary cores. These colder regions also allow gas molecules to slow down enough to be drawn onto a planet.

SPACE TIME- maintains attraction of planets



This three-dimensional grid gives a better idea of what curved space-time might look like than the two-dimensional analogies do.




MAGNETISM IS PRESENT IN UNIVERSE AND IN BODY OF LIVINGS



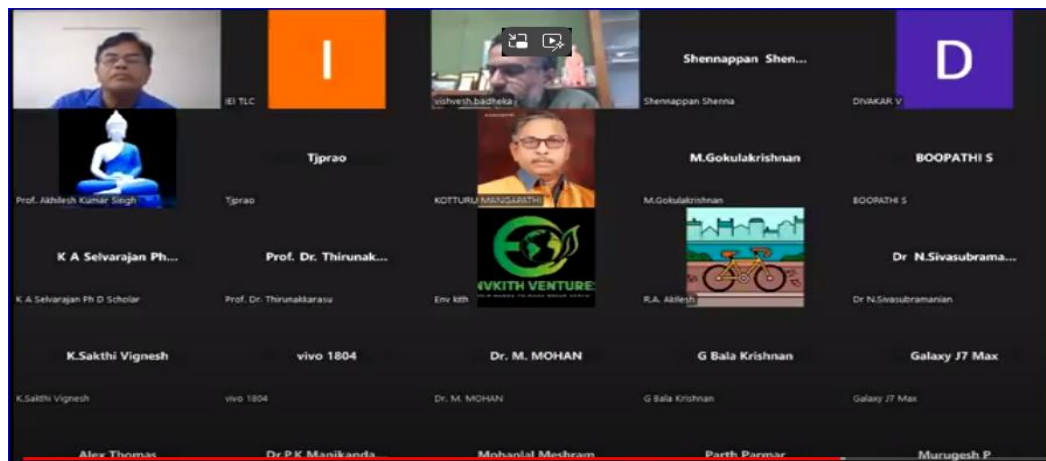
BODY BIO MAGNETISM, the same magnetic effect present in the universe as **:UNIVERSAL MAGNETISM:**

GOD PARTICLES PRESENCE EVERY WHERE

4. Integration of Additive Manufacturing into Conventional Manufacturing Processes

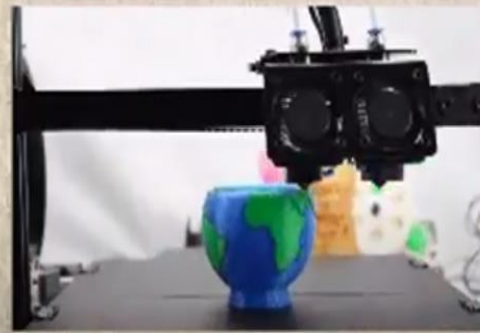
Name of Centre / Overseas Chapter:		TIRUCHIRAPPALLI LOCAL CENTRE	
Title of Activity:		Integration of Additive Manufacturing into Conventional Manufacturing Processes	
Activity under Divisional Board		Mechanical Engineering	
Date:	23-04-2024 at 06.00 p.m.	Mode:	Online
No. of Participants : 40			
Speaker: Dr Vishvesh J. Badheka, IWE Professor, Dept. of Mechanical Engineering Dean Academic Affairs Pandit Deendayal Energy University Gandhinagar – 382426			

The Tiruchirappalli Local Centre of The Institution of Engineers (India), in association with Indian Institute of Welding Tiruchirappalli branch, Computer Society of India, Tiruchirappalli Chapter, Safety Quality Forum - IEI /New Delhi, , Indian welding Society Southern zone, Indian Institute of Metals Tiruchirappalli Chapter, Indian Institution of Industrial Engineering Tiruchirappalli, Indian Institution of Plant Engineers Trichy chapter, Kumari Arivial Peravai Kanyakumari and Indian Society for Non-destructive Testing Trichy chapter organized a lecture on 23rd April 2024 at 06.00 pm through virtual mode. Er.R.Selvaraj past chairman of IEI/TLC has presided over & welcomed the speaker *Dr Vishvesh J. Badheka, IWE, Professor, Dept. of Mechanical Engineering, Dean Academic Affairs*. Dr.S.Titus Committee member of IEI/TLC has introduced the speaker to the audience. Er.G.Balakrishnan past committee member of IEI/TLC has proposed vote of thanks. Er.R.Selvaraj past chairman of IEI/TLC has proceeded the webinar.

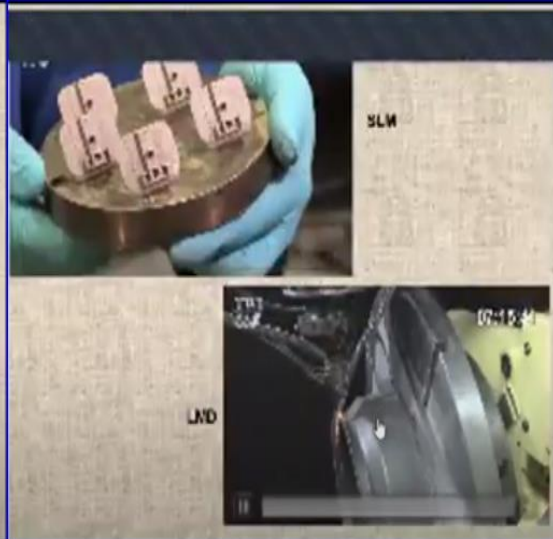


- In fusion welding, the alloying elements mix with the consumables on an atomic scale, driven by a strongly recirculating liquid metal flow in the weld pool.
- In contrast, during FSW, the results demonstrate that the mechanical alloying does not lead to intimate mixing and true solid solutions do not form in bulk scale.
- One consequence is that welding variables need to be carefully controlled to avoid defect formation.

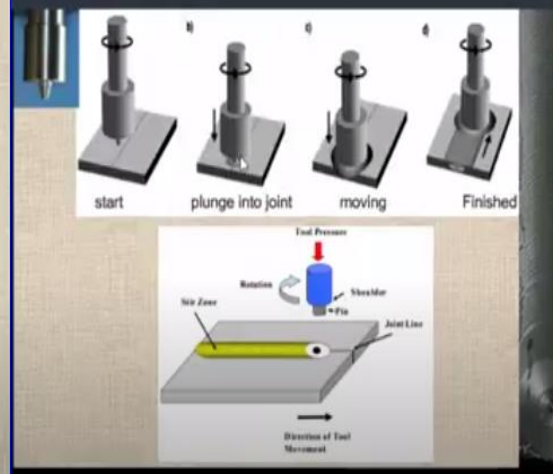
3D Printing



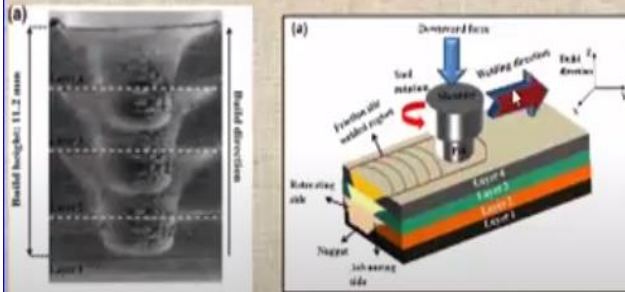
WAAM With TIG



WAAM With TIG



Friction Stir AM



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Layer process

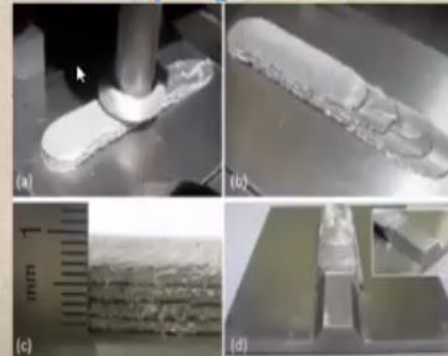
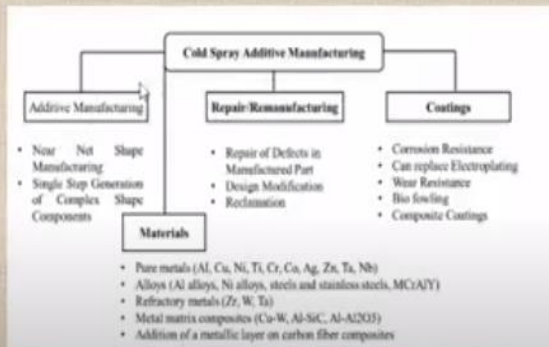


Fig. Build-up by FS. (a) Successive deposition, (b) bulk produced from four overlapped passes, (c) detail of final thickness achieved and (d) milling into final geometry (Vilac, a et al., 2012).

35

Cold Spray AM



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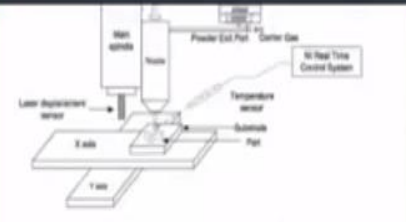
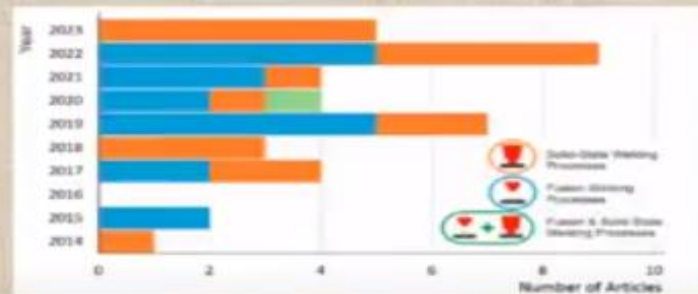
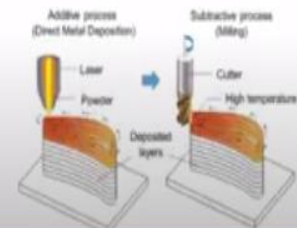


Fig. 7. Machine Structure for Hybrid Manufacturing



- Large chamber led to more storage of material and costs
- Printing times will be more
- Due large size of object may led to failures components during printing.
- Cost/per hr. of the machine will be higher

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IEI-TLC STUDENTS CHAPTER INAUGURATION @ MAMCE:

Name of Centre / Overseas Chapter:	TIRUCHIRAPPALLI LOCAL CENTRE
Name of the Institution	MAM College of Engineering - Tiruchirappalli
Division	Artificial Intelligence & Data Science
Date	30-04-2024

Report on Inauguration of the Institution of Engineers (India) Students' Chapter Date: April 30, 2024 Venue: Kalam Auditorium

The Institution of Engineers (India) professional society's student chapter for AI&DS was inaugurated at M.A.M. College of Engineering by *Dr. S. Ravimaran, Chairman of IE (I) Tiruchirappalli Local Centre,* on April 30, 2024 (Tuesday).

The event commenced with the Tamil Thai Valthu followed by a warm Welcome Address by Ms. Barakath Nisha, a second-year student of AI&DS.

Dr. M. Shanmugapriya, the Principal, presented Dr. S. Ravimaran with a memento in honour of the occasion.

Ms. Najla, a student member of The IEI AI&DS student chapter, introduced the esteemed chief guest.

Dr. M. Shanmugapriya, in her Presidential Address, shed light on the significance of maintaining an active professional society within the college, emphasizing the role of both students and faculty.

The office bearers of the Institution of Engineers (India) - AI&DS student chapter were introduced by Prof. K. Ilango, Head of Department for AI&DS.

Dr. Ravimaran, the Chief Guest, addressed the audience, underscoring the importance and advantages of being part of the IE (I) student chapter. He elaborated on how students could enhance their skills through participation in com-petitions and collaboration with the IEI student chapter. He stressed the expansion of the students' chapter to encompass the entire institute.

Mr. Justus Rajender Singh, the Student Vice Chairman of The IEI AI&DS student chapter, concluded the program with the National Anthem.

Dr S.Ravimaran
Professor and Head
Department of Artificial Intelligence and Data Science
Saranathan College of Engineering
Tiruchirappalli 620 012
&
CHAIRMAN - INSTITUTION OF ENGINEERS (INDIA)
TIRUCHIRAPPALLI LOCAL CENTRE



Dr.S.Ravimaran Chairman of IEI/TLC & Dr. M. Shanmugapriya Principal MAMCE-Tiruchirappalli



IEI-TLC STUDENTS CHAPTER INAUGURATION @ MAMSE:

Name of Centre / Overseas Chapter:	TIRUCHIRAPPALLI LOCAL CENTRE
Name of the Institution	MAM School of Engineering - Tiruchirappalli
Division	Mechanical Engineering
Date	30-04-2024

M.A.M. School of Engineering ,Department of Mechanical engineering inaugurated IE(I) Student Chapter with 50 students based on membership enrolment with Institution of Engineers (India)(Membership No.621105/MAMS/MC/Issued On 26th Mar 2024).

We have invited Dr.S.Ravimaran, Chairman IE(I) Tiruchirappalli Local Centre as Chief Guest of this inaugural function. The function had started with tamilthai valthu and Mr.S.Gautham/II Year Mech Engg Student have given welcome address.The Principal of the college have given presidential address to gathering. Then the Office bearers of IE(I) student chapter were announced by the student advisor Prof.R.Ramanathan.

The Chief guest Dr.Ravimaran has addressed the gathering and highlighting the importance and benefits of IE (I) student chapter as well as student contributions.Alsohe explained about how the student could upskilling knowledge throughparticipation in various competitions and proposals association with IEI student chapter. As overall view Dr. Ravimaran's address seems to have provided students with valuable insights and motivation to get involved and make the most out of their membership in the IE(I) student chapter.

The program ending with Mr.V.Vinith,Student President vote of thanks and he express his gratitude to all those who contributed the success of the event. The program concluded with National Anthem.





IEI –TLC Sponsored Workshop at MAMCE

Workshop on "Green Electronics for a Sustainable Environment"

The Institution of Engineers (India), Tiruchirappalli Local Centre, under the aegis of the Electronics and Telecommunication Division Board IEI, organized a two-day All India workshop on "Green Electronics for a Sustainable Environment" on April 29-30, 2024, at M.A.M. College of Engineering, Tiruchirappalli. A total of 108 participants from various institutions attended the workshop. Eminent speakers from Anna University, Government College, and IE resource persons addressed the event.



Day 1 was inaugurated by Dr. S. Senthil Kumar, Assistant Professor, University College of Engineering, Anna University Ariyalur Campus. The forenoon session was conducted by Dr. S. Senthil Kumar, who delivered a lecture on "Green Electronics for a Sustainable Environment." The afternoon session was led by Dr. R. Arun Prakash, Assistant Professor, University College of Engineering, Anna University BIT Campus, who spoke on "A Probabilistic Perspective on Environmental Impact and Challenges."

Day 2's forenoon session was conducted by Prof. Megaladevi, HOD/EEE, M.A.M. College of Engineering, Trichy, who delivered a lecture on "Recent Trends in Green Electronics." This was followed by a session by Dr. M. Shanmugapriya, Principal, M.A.M. College of Engineering, Trichy, who spoke on "Green Technology and Sustainability: Nuts and Bolts." The afternoon session was led by Dr. V. Rajagopalan, Assistant Professor (Sr. Gr.), Department of Civil Engineering, Anna University BIT Campus, Trichy, who delivered a lecture on "Solid Waste Management to Achieve Sustainable Management."

The valediction function was addressed by the Chief Guest, Dr. S. Ravimaran, Chairman of IE & HOD/AIDS, Saranathan College of Engineering, Trichy. The participants were honored by the Chief Guest with prizes and certificates.



IEI –TLC CELEBRATED GOLDEN JUBILEE YEAR (50th YEAR) 28th April 2024

















IEI-TLC CELEBRATION ACTIVITIES:



The Chairman, Secretary and all Office-Bearers of

THE INSTITUTION OF ENGINEERS (INDIA) TIRUCHIRAPPALLI LOCAL CENTRE

cordially invite you to

Golden Jubilee Valedictory celebrations

at 10 am on Sunday the 28th April, 2024 at the
IE(I) Building, Tiruchirappalli.



DR G RANGANATH FIE

President, The Institution of Engineers (India)
will deliver the Golden Jubilee Valedictory Address

In the presence of

Dr. S Dharmalingam FIE
Chairman, Centre Coordination
Committee (CCC) and Council
Member, IE(I)

Dr.V.Karthikeyan FIE,
Chairman, Tamilnadu State
Centre, IE(I)

Dr.S.Ravimaran FIE
Chairman

Er.SP.Lakshmanan MIE
Hon.Secretary

Dr Kevin Ark Kumar MIE
Co-ordinator

Er. B. Balasubramanian FIE
Immediate Past Chairman &
Member- Golden Jubilee
Celebrations

Dr. S.Karuppasamy FIE
Past Chairman & Member- Golden
Jubilee Celebrations

Er.R.Selvaraj FIE
Past Chairman & Member- Golden
Jubilee Celebrations


The Institution of Engineers (India)
 Tiruchirappalli Local Centre



Golden Jubilee Celebrations - Valediction

CHIEF GUEST
DR G RANGANATH FIE
 President, IEI

28th April, 2024




Institution of Engineers (India) Tiruchirappalli Local Centre

Golden Jubilee Celebration

Date: April 28th, 2024

Venue: IE(I) Building, Tiruchirappalli

The Golden Jubilee celebrations of the Institution of Engineers (India) at Tiruchirappalli local center commenced with a warm welcome extended to all esteemed guests and participants. The event, held on Sunday, April 28th, 2024, at 10 am, marked a significant milestone in the history of the institution.

Attendees:

The event was graced by distinguished personalities including:

- **Dr. G Ranganath, Fellow of the Institution of Engineers (FIE) and National President of IE(I)**



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- **Dr. S Dharmalingam, Fellow of the Institution of Engineers (FIE), Chairman of Centre Coordination Committee (CCC), and Council Member of IE(I)**
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- **Dr. V. Karthikeyan, Fellow of the Institution of Engineers (FIE), Chairman of Tamilnadu State Centre, IE(I)**



- **Er. B. Balasubramanian, Fellow of the Institution of Engineers (FIE), Immediate Past Chairman, and Member of Golden Jubilee Celebrations**



- **Dr. S. Karuppasamy, Fellow of the Institution of Engineers (FIE), Past Chairman, and Member of Golden Jubilee Celebrations**



- **Er. R. Selvaraj, Fellow of the Institution of Engineers (FIE)**



Programme Schedule:

1. **Invocation:** The event commenced with a solemn invocation.
2. **Lighting of the Lamp:** Symbolizing enlightenment and progress, the lamp was lit to inaugurate the ceremony.



3. **Welcome Address:** Dr.S.Ravimaran, The Chairman of IE(I) Tiruchirappalli Local Centre extended a warm welcome to all attendees.



4. **Golden Jubilee Report:** Dr. S. Dharmalingam, Chairman of the Centre Coordination Committee (CCC) - IE(I), presented a comprehensive report highlighting the achievements and milestones of the past fifty years.
5. During the Golden Jubilee celebration, an audio-video presentation commemorating 50 years of the Institution of Engineers (India) was also showcased. This presentation encapsulated the journey of the institution over the past five decades, highlighting significant milestones, achievements, and contributions to the field of engineering.
6. **Honouring the Dignitaries:** Distinguished guests were honored for their invaluable contributions to the institution.
7. **Felicitations:** Chairman of Tamilnadu State Centre, IE(I), and Past Chairmen of IE(I) TLC felicitated the gathering.
8. **Release of Golden Jubilee Souvenir:** The much-awaited Golden Jubilee Souvenir was unveiled, showcasing the journey and accomplishments of the institution.



9. **Golden Jubilee Valedictory Speech:** Dr. G Ranganath, National President of IE(I), delivered an inspiring valedictory address, reflecting on the institution's legacy and charting the course for the future.



10. Honouring the Past Chairmen & Secretaries: Past Chairmen and Secretaries were acknowledged for their dedicated service and leadership.



11. Honouring the Achievers: Outstanding Student achievers of various engineering colleges attached within the institution were recognized and honored.





12. Vote of Thanks: Er.SP.Lakshmanan, The Honorary Secretary extended gratitude to all participants, sponsors, and volunteers for their contributions towards making the Golden Jubilee celebration a resounding success.



13. National Anthem: The event concluded with a rendition of the national anthem, symbolizing unity and pride.

14. Lunch: A sumptuous lunch was served, providing an opportunity for networking and camaraderie among attendees.

The Golden Jubilee celebration was a momentous occasion, reaffirming the commitment of the Institution of Engineers (India) towards excellence, innovation, and progress in the field of engineering. The Master of Ceremonies (MC) for the Golden Jubilee celebration was expertly handled by Dr. Kevin, the Past Secretary of IEI TLC. With his adept hosting skills and commanding presence.

With the unwavering support and active participation of all the members of IEI TLC, the Golden Jubilee celebration unfolded seamlessly, marking it as a truly memorable milestone in the history of the institution. Their dedication, enthusiasm, and collaborative spirit played a pivotal role in ensuring the success of the event. From meticulous planning to execution, every member contributed their expertise and efforts, creating an atmosphere of camaraderie and celebration. It was their collective commitment and unity that transformed the Golden Jubilee celebration into a momentous occasion, etching it as a cherished memory in the annals of IEI TLC's legacy.



CELEBRATED
50th YEAR

**GOLDEN
JUBILEE**

**ON 28th April
2024**

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