



SSM INSTITUTE OF ENGINEERING AND TECHNOLOGY

(Approved by AICTE, New Delhi / Affiliated to Anna University, Chennai / Accredited by NAAC)

(Accredited by NBA– EEE, ECE and MECH UG Programs)

Dindigul – Palani Highway, Dindigul – 624 002

DEPARTMENT OF MECHANICAL ENGINEERING

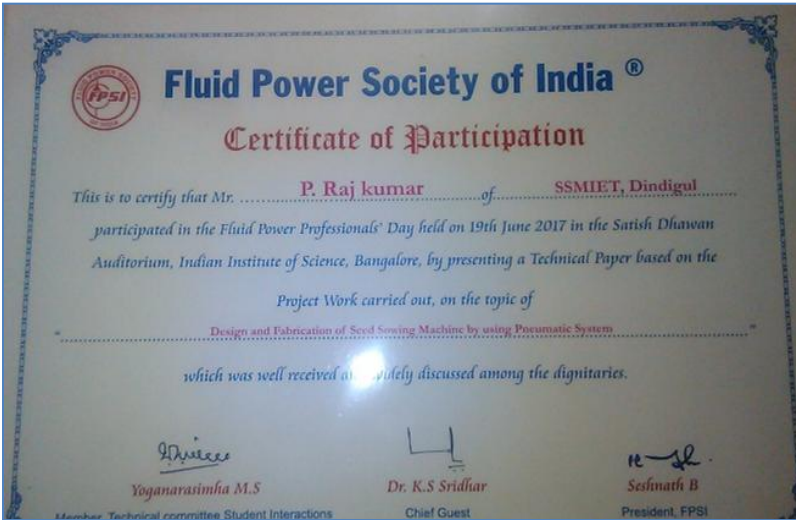
FPSI (FLUID POWER SOCIETY OF INDIA®)

FPSI STUDENT'S CHAPTER

FPSI is the one of the Professional bodies established during 1973 at Bengaluru. Its objective is to promote and foster the need to know the activities in the field of fluid power. In our SSMIET, FPSI incepted in the year 2014 as the Institutional Membership and we are the first institute to have the membership in South Zone next to IIT Chennai and student's chapter was established during February 2016. It shall also render all possible assistance to the Regional Centers in matters relating to student members. The activities of the Students' Chapter may specifically include the following:

Activities

- To arrange lectures, film shows and video shows related to the Fluid Power Engineering Education and profession.
- To establish and operate magazines for the use of its members.
- To assist and guide student engineers in their career planning and placement.
- To assist any other activities of social, technical and educational interest to student engineers.



Project Presentation at Sathish Dhavan Auditorium, IISc Bangalore by the students project team headed by Mr.Rajkumar 2013-17 on 19th June 2017.



Inauguration of Student Chapter on 18th February, 2016.

Achievements:

Mr.P.Rajkumar & Team of our, Mechanical Engineering students 2013-17 batch won the II prize in National Level for presenting a technical paper based on their project work , on the topic of Design and Fabrication of Seed and Sowing Machine by using Pneumatic System in the Fluid power professional's day seminar at IISC , Bangalore conducted by FPSI.



Attended 36th Annual general body meeting on 01.08.2015 at Hotel Atrai-Bangalore

Events

2015-16

1. Inauguration of Student Chapter on on 18th February, 2016.
2. Attended 36th Annual general body meeting on 01.08.2015 at Hotel Atrai-Bangalore

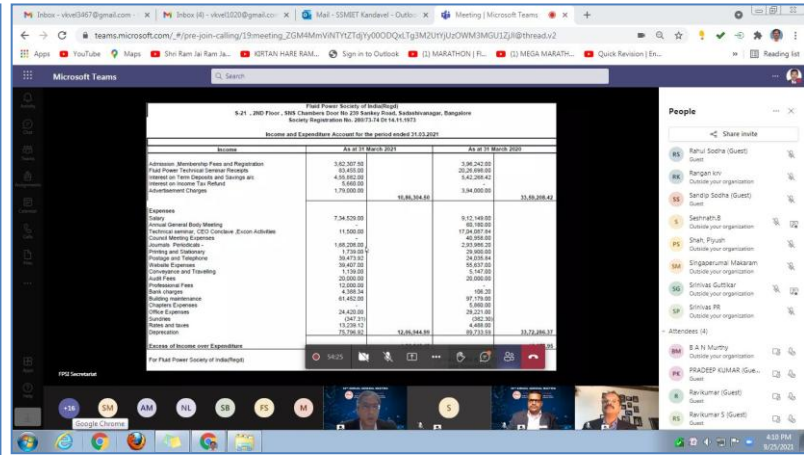
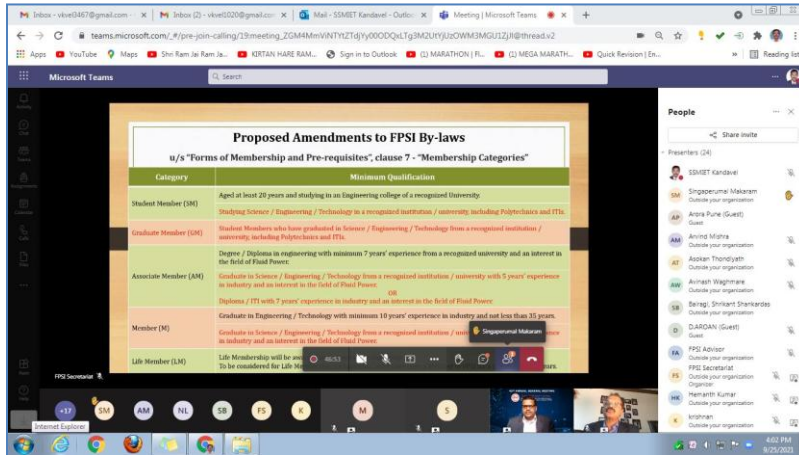
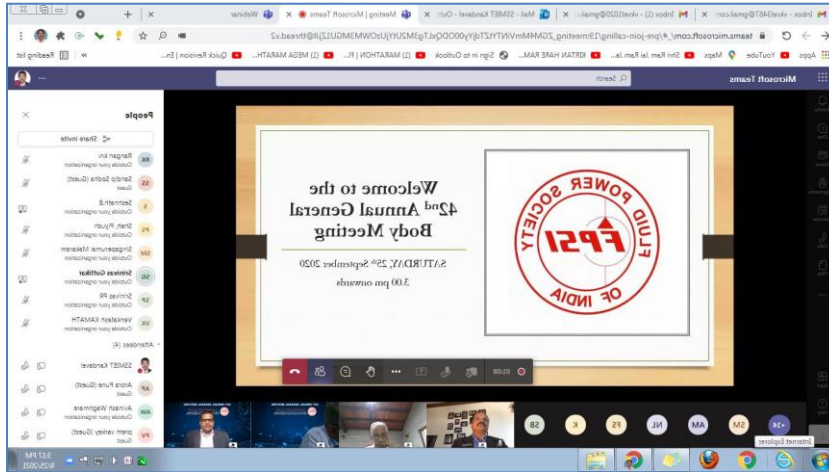
2017-18

1. Project Presentation at Sathish Dhavan Auditorium, IISc Bangalore by the students project team headed by Mr.Rajkumar 2013-17, on 19th June 2017.

2016-17

1. Guest Lecture on “Hydraulic and Pneumatics” by Mr M S Yoganarasimha, Industrial consultant to many Hydraulic Industries and founder member of Fluid power Society of India (Regd),

AGM (2021)



Webex Events (classic)

Webex is ending support for this operating system and is no longer providing updates and bug fixes. You will still be able to start and join Webex meetings, but for the best meeting experience, we recommend that you update your computer to a supported operating system.

Event Information: Virtual summit on Accelerating Design & Innovation for Next-Gen Industrial & Heavy Equipments

Event status: Started

Date and time: Wednesday, March 30, 2022 3:00 pm
India Time (Mumbai: GMT+05:30)
[Change time zone](#)

Duration: 2 hours 30 minutes

Description:

Join Event Now

To join this event, provide the following information.

First name: KANDARIEL
Last name: V
Email address: vivra3467@gmail.com
Event password: *****

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If you are the host, [start your event](#).

Complex engineering go... technology innovations

SUSTAINABILITY

Technology Development
Eco-design engineering, alternate fuel, emission control

Materials
Lightweighting, Organic materials, Recycling, Circularity

Environmental Well-being
Carbon and Energy Footprint, Noise and Vibration

SAFETY & RELIABILITY

Multi-Physics Reliability
Aeroacoustics, Structural, Thermal, Fluids, Electromagnetics, Fatigue

Safety
Functional Safety, Cybersecurity, Standard Compliance (e.g., IEC 61508)

Operational Optimization
Asset health monitoring, Process automation, Support wide operating conditions

TIME & COST

Physical Testing
Perform Expensive & Time-consuming Tests

Maintenance
Component Inspection, Repair, Minimize downtime, Reduce Warranty claims

Manufacturing
Clean, Efficient, Reliable, Safe

Participants: Peeyush Vaish, PRABHAKARAN T, prithika jean, Ravi Birajdar, Shitalkumar Joshi, Shriganesh Shurpali

Attendee: KANDAVEL V Me

Technology innovations... industrial transformation

Participants: Peeyush Vaish, PRABHAKARAN T, prithika jean, Ravi Birajdar, Shitalkumar Joshi, Shriganesh Shurpali

Attendee: KANDAVEL V Me

TATA TECHNOLOGIES

Viewing Naren Brahme's ap...

One of India's oldest, largest and most respected business organizations

Founded in 1868

More than 150 years of commitment to business excellence and business ethics

Revenue \$106+ Bn

68 percent of which is generated in geographies outside India

Employment 750,000

Spanning more than 100 operating companies in 100 countries across six continents

Business Sectors: IT & Communications, Steel & Materials, Energy, Engineering Services, Services & Hospitality, Consumer Products, Chemicals

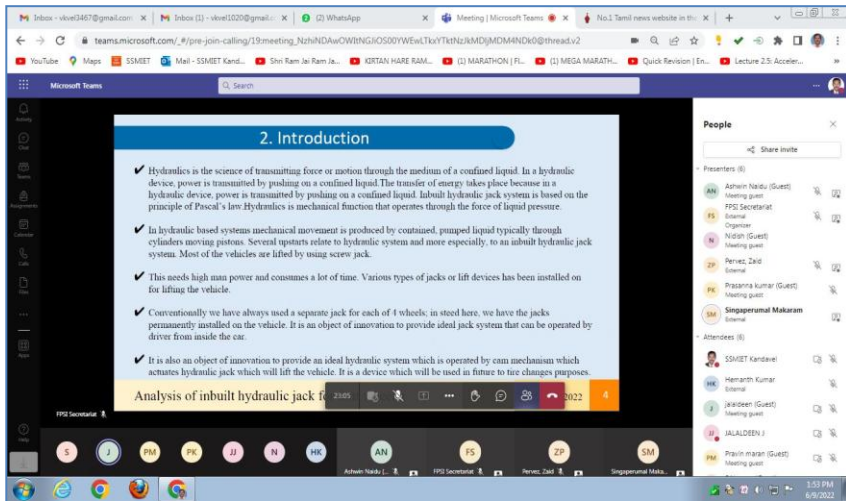
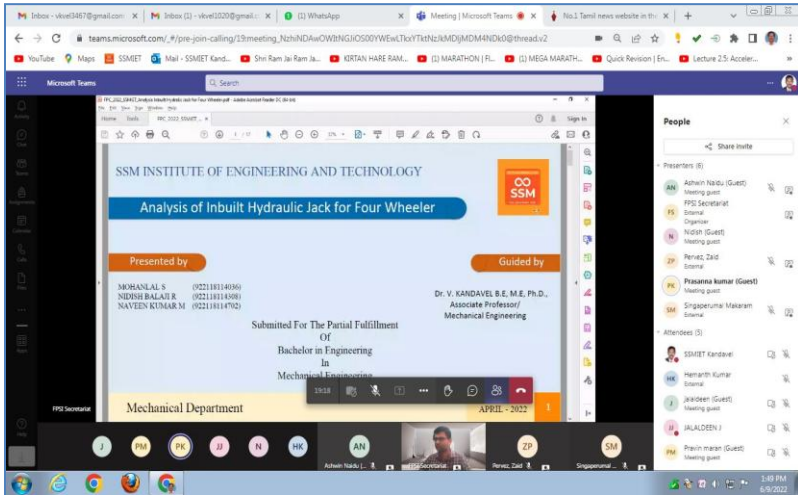
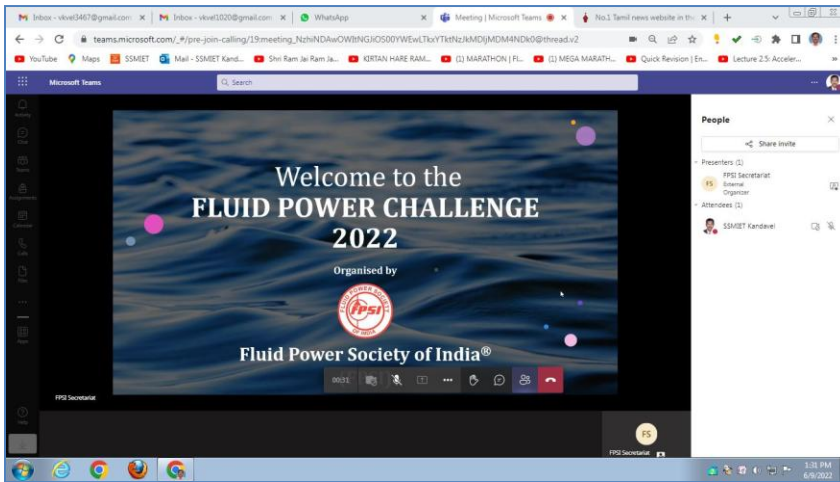
Participants: Ravi Birajdar, Peeyush Vaish, Bhuvan Anandakrishnan

Attendee: KANDAVEL V Me

The following Projects for Fluid Power Challenge (FPC) 2022

Batch	Name of the Student	Email id	Title	Name of the Guide if any Correspondence
01	ABINASH R	abinash3abi@gmail.com	Automatic Pneumatic Jack for Four wheelers	Dr. V.Kandavel Email: vkvel1020@gmail.com
	AKASH A	akakash2710@gmail.com		
	BOSCODENI R C	boscodeni001@gmail.com		
02	MOHANLAL S	smohanlalsgn@gmail.com	Analysis of Inbuilt Hydraulic Jack for Four wheeler	Dr. V.Kandavel Email: vkvel1020@gmail.com
	NIDISH BALAJIR	nidishbas99@gmail.com		
	NAVEEN KUMAR M	naveenvinayak0@gmail.com		
03	RAJA M	rajamarine19@gmail.com	Design and Fabrication of Smart Dust Bin	Mr. B.Aravindh Email: aravindh25.3@gmail.com
	SAMBATH KUMAR P	sambath3702@gmail.com		
	VIVEKANANDAN B	anandhvivekav158332@gmail.com		
04	JALALDEEN J	deenmass10@gmail.com	Tribological Behaviour of Graphene - Silicon Nitride - Magnesium Composite	Ms. V.Preethi Email: prethiprathi18@gmail.com
	PANNEER SELVAM V	vpspanner3139@gmail.com		
	MALATHI T	malathit02052001@gmail.com		
05	NAVEEN S	naveensekarck@gmail.com	Design & Fabrication of Belton Wheel Turbine	Dr. R.Subhaa Email: rsubhaa@yahoo.com
	PRAVIN T	royalmechpravin452@gmail.com		
	THIRUVIKRAMAN T	thiruvikraman432@gmail.com		
06	AJAY K	ajayfree201@gmail.com	Design and Fabrication of Pendulum Operated Water Pump	Dr. V.Kandavel Email: vkvel1020@gmail.com
	JOEL PETER S	sahayamdgl@gmail.com		
	JOSHUA PRINCE S	joshuaprince858@gmail.com		

Fluid Power Challenge 2022 (SSMIET - FPSI) :-



FPSI-SSMIET FPC 2023 National Level Challenge Quiz:-

FLUID POWER SOCIETY OF INDIA®
FLUID POWER CHALLENGE 2023
NATIONAL LEVEL QUIZ

1. TEAM / INSTITUTION

Team Name	FPSI - SSMIET # 01			
Team Captain Name	S. Tamil Selvan			
Institution Name	SSM Institute of Engineering and Technology			
Institution Address	Dindigul - Palani Road, Dindigul - 624002			

2. STUDENT

Student Name	Email Id	Contact No.	Institute/Individual Membership ID	Signature
S. Tamil Selvan	Silvanstam10910@gmail.com	6385366516	INST - 3311	Tamil Selvan
N. Lakshmi	Lakshmi@smi.com	6382716176	INST - 3311	N. Lakshmi

3. FACULTY ADVISOR

Faculty Name	Email Id	Contact No.	Institute/Individual Membership ID	Signature
D. THAMARAI SELVAN	lotus.1090@gmail.com	9790552805	INST - 3311	D. Thel

Inv'd to HOD/MECH
Dr. V. KANDAVEL (FPSI - CO-ORDINATOR)

S. Tamil Selvan
HOD MECH

Signature
Head of Institution (with seal)
U. L. SENTHIL KUMARAN, M.E., Ph.D., (P)30
Principal
SSM Institute of Engineering and Technology
Kattuthapatti Village, Sankalagudi, Palani Road, Dindigul - 624002

FLUID POWER SOCIETY OF INDIA®
FLUID POWER CHALLENGE 2023
NATIONAL LEVEL QUIZ

1. TEAM / INSTITUTION

Team Name	FPSI - SSMIET # 02			
Team Captain Name	M. S. Muthusanthosh			
Institution Name	SSM Institute of Engineering and Technology			
Institution Address	Dindigul - Palani Road, Dindigul - 624002			

2. STUDENT

Student Name	Email Id	Contact No.	Institute/Individual Membership ID	Signature
M. S. Muthusanthosh	Muthusanthosh.652@gmail.com	8870374015	INST - 3311	Santhosh
R. Varanth	Varanthvaranth35@gmail.com	9524413584	INST - 3311	R. Varanth

3. FACULTY ADVISOR

Faculty Name	Email Id	Contact No.	Institute/Individual Membership ID	Signature
U. KARTHICK	Ukarti@smi.com	9015496054	INST - 3311	U. Karthick

Inv'd to HOD/MECH
Dr. V. KANDAVEL (FPSI - CO-ORDINATOR)

M. S. Muthusanthosh
HOD MECH

Signature
Head of Institution (with seal)
U. L. SENTHIL KUMARAN, M.E., Ph.D., (P)30
Principal
SSM Institute of Engineering and Technology
Kattuthapatti Village, Sankalagudi, Palani Road, Dindigul - 624002

Future Scope of FPSI in SSMIET is to:

- To arrange more number of seminars, workshops, group discussion and debates and to promote interaction of the Institute with Industry through FPSI.
- To arrange plant visits and internships with the help of FPSI.
