



SSM INSTITUTE OF ENGINEERING AND TECHNOLOGY

(Approved by AICTE, New Delhi / Affiliated to Anna University, Chennai / Accredited by NAAC)
Dindigul- Palani Highway, Dindigul – 624 002.

Department of Mechanical Engineering

SSMIET/ Circular/ Mech/ 2020-2021

Dt: 10.02.2021


CIRCULAR

This is to inform that **FLUID POWER SOCIETY OF INDIA (FPSI)** will be organizing webinar on “**Techniques for Effective Filtration in Air**”, on 19th February 2021 (Friday) through online mode. Interested Students and Staff members are requested to attend the program.


MeetingLink:

https://teams.microsoft.com/l/meetup-join/19%3ameeting_NGJjMDZjMWItN2I4Mi00OWFjLTlmNDUtMWI4OTc0ZmU2NmEz%40thread.v2/0?context=%7b%22Tid%22%3a%22ebf5bad8-5ab4-45e6-a6d6-38d1bb55d542%22%2c%22Oid%22%3a%228a334a7c-7a68-4b41-8718-cdbba8520139%22%2c%22IsBroadcastMeeting%22%3a%22true%22%7d


FPSI-Coordinator


HoD / Mech


Principal


Dr. G. SANKARANARAYANAN M.E., Ph.D.,
Professor and Head,
Department of Mechanical Engineering,
SSM Institute of Engineering and Technology,
Sindhalagundu (P.O.), Dindigul - 624 002.

Dr. D. SENTHIL KUMARAN, M.E., Ph.D., (NUS)
Principal
SSM Institute of Engineering and Technology
Kuttrathupatti Village, Sindhalagundu (Po),
Palani Road, Dindigul 624 002.



Dr. V. Kandavel <vkvel1020@gmail.com>

FPWS-17 Webinar on "Techniques for Effective Filtration In Air"

3 messages

Head Secretariat <headsecretariat@fpsindia.net>
To: "fpsi.regd@gmail.com" <fpsi.regd@gmail.com>

Thu, Feb 18, 2021 at 12:18 PM

Dear Sir/Madam,

We welcome you to join the 17th webinar in our **Fluid Power Webinar Series (FPWS)**.

- Topic **"Techniques For Effective Filtration In Air"**
- On **19th February, Friday, 4pm to 5pm,**
- Presented by **Mr. Johnson Praveen Kumar T, Territory Manager - Filtration, Middle East, Parker Hannifin**

Meeting Link is given below.

Introducing the Presenter

Mr. Johnson Praveen Kumar T.
Territory Manager - Filtration, Middle East, Parker Hannifin

Mr. Johnson Praveen graduated as a Mechanical Engineer & Master in Business administration from Bangalore. He began his career as a Hydraulic Application Engineer in Yuken India Ltd Bangalore. He has been working in the Middle East since 2004 in Hydraulics and related product Sales, and is presently working as Territory Manager for Filtration in Dubai.

A quote I like "Our greatest weakness lies in giving up. The most certain way to succeed is always to try just one more time." -Thomas Edison

Meeting Link

https://teams.microsoft.com/join/19%3ameeting_NGJjMDZjMWItN2I4Mi00OWFjLTImNDUtMWI4OTc0ZmU2NmEz%40thread.v2/0?context=%7b%22Tid%22%3a%22ebf5bad8-5ab4-45e6-a6d6-38d1bb55d542%22%2c%22Oid%22%3a%228a334a7c-7a68-4b41-8718-cdbba8520139%22%2c%22IsBroadcastMeeting%22%3a%22true%7d

Warm Regards,

Elizabeth

Administrative Executive



Fluid Power Society of India ®

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Are you an FPSI member? Get in touch with us immediately to be a part of this ever-growing network of fluid power professionals!

KANDAVEL.V <vkvel1020@gmail.com>

To: [hod mechssmiet <hodmechssmiet@gmail.com>](mailto:hodmechssmiet@gmail.com)

Thu, Feb 18, 2021 at 4:38 PM

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With Regards,

Dr. V. KANDAVEL,
Associate Professor,
Department of Mechanical Engineering,
SSM Institute of Engineering & Technology,
Dindigul-624 002,
TAMILNADU, INDIA
*Contact No.: +91 9788230018, 9442362027

KANDAVEL.V <vkvel1020@gmail.com>

To: vkvel3467@gmail.com

Tue, Mar 9, 2021 at 12:25 PM

----- Forwarded message -----

From: **Head Secretariat** <headsecretariat@fpsindia.net>

Date: Thu, Feb 18, 2021 at 1:30 PM

Subject: FPWS-17 Webinar on "Techniques for Effective Filtration In Air"

To: fpsi.regd@gmail.com <fpsi.regd@gmail.com>

[Quoted text hidden]

[Quoted text hidden]



Department of Mechanical Engineering

Student Name List

Event Name: Techniques For Effective Filtration In Air

Date:19.02.2021

S.No.	Reg.no.	Student Name	S.No.	Reg.no.	Student Name
1	922117114003	AKTHARALI S	26	922117114303	JENNISON J
2	922117114008	ARUN KUMAR M	27	922117114310	SRI SUDHARSANA SAKRAVARTHI
3	922117114013	BALASUBRAMANIAN G	28	922118114008	BOSCO DENI R C
4	922117114014	BHARATHI DASAN A	29	922118114009	DEERA VIKRAMAN C K
5	922117114021	DEVARAJAN A	30	922118114011	DINESH KUMAR R
6	922117114025	DIVYA DHARSHINI K	31	922118114012	GANESAN T
7	922117114031	GUNAKARAN C	32	922118114055	SANGEETH M
8	922117114041	JAYAPRATHAP N	33	922118114057	SANKARA NARAYANAN S
9	922117114044	JEROME F	34	922118114304	HARISH
10	922117114047	KARTHIC S	35	922118114306	MANO SHANKER P
11	922117114050	KAVINKAILASH P C	36	922118114307	MOHAMED RIYAZ J
12	922117114055	MANIKANDARAJA M	37	922118114308	NIDISHBALAJI R
13	922117114057	MANOJKUMAR V			
14	922117114063	MOHAMED THARIQ G			
15	922117114066	NAGARAJ A			
16	922117114070	NAVEEN G A			
17	922117114074	NAVEEN KUMAR S			
18	922117114080	PARTTHASARATHI K B			
19	922117114089	RAJGANGA A			
20	922117114105	SHANE D			
21	922117114114	VAIKARAI AKASH U			
22	922117114115	VANMUKILAN R			
23	922117114116	VASANTH S			
24	922117114117	VETRIVEL P A			
25	922117114119	VIGNESH G			



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DEPARTMENT OF MECHANICAL ENGINEERING (FLUID POWER SOCIETY OF INDIA®)

Event Date : 19th February, 2021 Friday,
Name of the Event : Techniques for Effective Filtration in Air
Resource person : Mr. Johnson Praveen Kumar T. Territory Manager - Filtration, Middle East, Parker Hannifi

No. of students attended / benefitted: 37

About the Topic

Air filtration technique can remove air pollutants and effectively alleviate the deterioration of indoor air quality. This paper presents a comprehensive review on the synergistic effect of different air purification technologies, air filtration theory, materials and standards. It evaluated different air filtration technologies by considering factors such as air quality improvement, filtering performance, energy and economic behaviour, thermal comfort and acoustic impact. Air filtration has the greatest practical potential of all the separation methods. Air sterilization is the physical removal of microorganisms from the air by filters of appropriate retention efficiency. Depth filters are made of cellulose, glass wool, or glass fiber mixtures with resin or acrylic binders.

Air filtration is the technology used most widely to remove particles from an air stream due to its relative ease and flexibility. Both fabric and fibrous filters are used for airborne particle control. Fabric filters are made from woven and felted fabrics that collect particles primarily on their surface. They are frequently used in the form of bags that are hung within a large housing. Fibrous filters, used more frequently in workplace applications, are a nonwoven mat of individual fibers oriented randomly in the two dimensions of the filter perpendicular to air flow.

Till now, many efforts have sought to recent air filtration technologies to overcome the trade-off relationship between filtration efficiency and pressure drop.

Event Name : Techniques For Effective Filtration In Air

S.No:	Register Number	Name of the student	Feedback about the Event [Information provided at this event is relevant to you]	Feedback about the Event [You are likely to use this information in the future]	Feedback about the Event [Presentations were interesting]	Feedback about the Event [You would recommend this event to]	Feedback about the Event [Overall, the event was worthwhile]	Feedback about the Event [The venue was suitable]
1	922117114003	AKTHARALI S	5	5	5	4	4	4
2	922117114008	ARUN KUMAR M	4	4	4	4	5	5
3	922117114013	BALASUBRAMANIAN G	5	4	5	5	5	4
4	922117114014	BHARATHI DASAN A	5	5	5	5	5	4
5	922117114021	DEVARAJAN A	5	5	5	5	5	5
6	922117114025	DIVYA DHARSHINI K	5	5	5	5	5	5
7	922117114031	GUNAKARAN C	4	4	4	4	3	3
8	922117114041	JAYAPRATHAP N	5	5	5	5	5	5
9	922117114044	JEROME F	3	4	5	3	5	4
10	922117114047	KARTHIC S	4	5	3	3	4	4
11	922117114050	KAVINKAILASH P C	5	5	5	5	5	5
12	922117114055	MANIKANDARAJA M	4	5	4	4	5	5
13	922117114057	MANOJKUMAR V	4	4	4	4	5	5
14	922117114063	MOHAMED THARIQ G	5	5	5	5	5	5
15	922117114066	NAGARAJ A	5	5	5	5	5	5
16	922117114070	NAVEEN G A	5	5	5	5	5	5
17	922117114074	NAVEEN KUMAR S	4	4	4	4	4	4
18	922117114080	PARTTHASARATHI K B	5	5	5	5	5	5
19	922117114089	RAJGANGA A	4	4	4	4	3	3
20	922117114105	SHANE D	3	2	3	2	3	3
21	922117114114	VAIKARAI AKASH U	5	5	5	5	5	5
22	922117114115	VANMUKILAN R	4	4	4	4	4	4
23	922117114116	VASANTH S	4	4	4	4	4	4
24	922117114117	VETRIVEL P A	5	4	5	4	5	5
25	922117114119	VIGNESH G	5	4	5	4	4	5
26	922117114303	JENNISON J	4	4	4	4	4	4
27	922117114310	SRI SUDHARSANA SAKRAVARTHI	5	5	5	5	5	5
28	922118114008	BOSCO DENI R C	5	5	5	5	5	5
29	922118114009	DEERAVIKRAMAN C K	5	5	5	5	4	4
30	922118114011	DINESH KUMAR R	5	5	5	5	4	4
31	922118114012	GANESAN T	5	5	5	5	5	5
32	922118114055	SANGEETH M	5	5	5	5	4	5
33	922118114057	SANKARA NARAYANAN S	4	5	5	3	5	4
34	922118114304	HARISH	5	5	5	5	5	5
35	922118114306	MANO SHANKER P	5	5	5	5	5	5
36	922118114307	MOHAMED RIYAZ J	5	5	5	5	5	5
37	922118114308	NIDISHBALAJI R	5	5	5	4	5	5