

vkvel1020

From: hod mechssmiet <hodmechssmiet@gmail.com>
Sent: 09 August 2022 11:58
To: KANDAVEL V
Subject: Fwd: Permission for Industrial Visit -Reg.

09.08.2022

To,

Dr. G. Sankaranarayanan,
Professor and Head,
Department of Mechanical Engineering
SSM Institute of Engineering and Technology
Dindigul.

Sub: Permission for Hands-on Training -Reg.

Dear Sir,

With reference to your email request and telephonic discussion today regarding Hands-on Training for your students, we are pleased to inform you that permission is hereby granted for the Hands-on Training on 16.08.2022 for your students & faculties. During Hands-on Training, CIPET will provide working lunch and Tea for your students, Faculties on the same which is chargeable @ Rs.118/- (including GST) per candidate. Kindly pay in advance in the below mentioned account and send us the confirmation mail along with payment proof for the same.

The Account details are as follows:

Name of Account : CIPET-CSTS, MADURAI
Name of Bank : Indian Overseas Bank
Account Number : 166302000001419
IFSC Code : IOBA0001005
MICR No : 625020029
Branch Name : Thiruvathavur (1005)

Herewith we have enclosed the Excel sheet format to be filled for further information. This is for your kind information & needful please.

For further information regarding industrial visit you can contact Mr. B. Nijamudeen CAD/CAM Dept. CIPET Madurai.

With best Regards,

Yours sincerely,

P.Radhakrishnan
Senior Technical Officer
CIPET : CSTS, Madurai
Mob: 9941404804
E-mail: cadcamcae-madurai@cipet.gov.in



Dr.D.SENTHIL KUMARAN, M.E., Ph.D., (NUS)
Principal
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Palani Road, Dindigul - 624 002.



SSM INSTITUTE OF ENGINEERING AND TECHNOLOGY

Dindigul- Palani Highway, Dindigul – 624 002.

Department of Mechanical Engineering

Year : III Year

Date: 16.08.2022

Name of the Event: **One-Day Hands Training on Injection Molding and Plastics Processing**

S.No	Reg.No	Name of the Student	S.No	Reg.No	Name of the Student
1	922120114001	ABDUL HARSHATH A	25	922120114028	SARAVANA PANDI P
2	922120114002	ARISHRAJAN I	26	922120114029	SIVARAMAN S
3	922120114004	BALAMURUGAN S	27	922120114030	SUGAN B
4	922120114005	DANUSHMANI S	28	922120114031	TAMIL SELVAN S
5	922120114006	DINESH S	29	922120114032	VASANTH R
6	922120114007	EDISON S	30	922120114033	VIDYASARAN P
7	922120114008	JAIKUMAR PANDIAN J	31	922120114302	ABISHEK N
8	922120114009	JOHNSON M	32	922120114303	ARUN KANNAN K
9	922120114010	KARTHICK D	33	922120114304	ASWIN RAJ V
10	922120114011	KARTHICK RAJA R	34	922120114305	BOMMURAJ K
11	922120114012	KARTHIKEYAN N	35	922120114306	DEVAPRAKASH N
12	922120114013	LAKSHMI N	36	922120114308	DHIWAKAR C
13	922120114014	MANIKANDAN G	37	922120114314	LOKESH VARMA D
14	922120114015	MOHAMED RIAZ S	38	922120114316	MAUREESH K V R
15	922120114016	MUTHU PRAKALATHAN V	39	922120114317	NAVIN JOE J
16	922120114017	MUTHU SANTHOSH M.S	40	922120114318	PRASANNAKUMAR S
17	922120114018	NAWFUL GHIYAS M	41	922120114319	RAJKUMAR P
18	922120114019	NITHESH S	42	922120114320	RAMKUMAR P R
19	922120114020	NITHIS KUMAR J	43	922120114321	SABARINATHAN S
20	922120114022	RAJARAJESHWARAN S	44	922120114322	SACHITHANANTHAM M
21	922120114023	RAJASEKARAN V			
22	922120114025	SANJAY KUMAR S			
23	922120114026	SANMUGAPANDI M			
24	922120114027	SANTHOSH KUMAR M			

[Signature]
Faculty In-charge



[Signature]
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Department of Mechanical Engineering

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23	922120114026	SANMUGAPANDI M	SANMUGAPANDI
24	922120114027	SANTHOSH KUMAR M	Santhosh Kumar M
25	922120114028	SARAVANA PANDI P	Saravanan Pandi
26	922120114029	SIVARAMAN S	Sivaraman S.
27	922120114030	SUGAN B	Sugan B
28	922120114031	TAMIL SELVAN S	Tamil Selvan S.
29	922120114032	VASANTH R	Vasanth R
30	922120114033	VIDYASARAN P	Vidya Saran P
31	922120114302	ABISHEK N	Abhishek N
32	922120114303	ARUN KANNAN K	Arun Kannan K
33	922120114304	ASWIN RAJ V	Aswin Raj V
34	922120114305	BOMMURAJ K	Bommuraj K
35	922120114306	DEVAPRAKASH N	Devaprakash N
36	922120114308	DHIWAKAR C	Dhivakar C
37	922120114314	LOKESH VARMA D	Lokesh Varma D
38	922120114316	MAUREESH K V R	Maureesh K V R
39	922120114317	NAVIN JOE J	Navin Joe J
40	922120114318	PRASANNAKUMAR S	Prasanna Kumar S
41	922120114319	RAJKUMAR P	Raj Kumar P.
42	922120114320	RAMKUMAR P R	Ram Kumar P R
43	922120114321	SABARINATHAN S	Sabar Nathan S.
44	922120114322	SACHITHANANTHAM M	Sachithanantham M

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16/8/22
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5	922120114006	DINESH S	S. Dinesh
6	922120114007	EDISON S	Edison -
7	922120114008	JAIKUMAR PANDIAN J	Jaikumar Pandian
8	922120114009	JOHNSON M	M. Johnson
9	922120114010	KARTHICK D	Karthick D
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17	922120114018	NAWFUL GHIYAS M	M. Nawful
18	922120114019	NITESH S	Nitesh S
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21	922120114023	RAJASEKARAN V	Rajasekaran V
22	922120114025	SANJAY KUMAR S	Sanjay Kumar S

Faculty In-charge



Hod / Mech

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SSM Institute of Engineering and Technology
Kuttathupattu Village, Sindalagundu (Po),
Main Road, Dindigul - 624 002

One Day Hands-on Training Program Report: Injection Molding & Plastics Processing

Date: August 16th, 2022

Venue: CIPET:CSTS Madurai

Participants: 44 Third Year Mechanical Engineering Students, SSMIET, Dindigul.

Program Overview:

This one-day hands-on training program at CIPET:CSTS Madurai provided SSMIET, Dindigul's third-year mechanical engineering students with an immersive learning experience in injection molding and plastics processing. The program aimed to bridge the gap between theoretical knowledge and practical application, equipping students with industry-relevant skills and insights.

Session Breakdown:

Morning Session (Theory):

Deep Dive into Injection Molding: Comprehensive process overview, applications across diverse industries.

Machine Demystification: Exploring various types of injection molding machines - hydraulic, electric, and hybrid systems.

Mold Matters: Delving into mold design principles, hot runner vs. cold runner systems, and crucial material considerations.

Polymer Power: Understanding common plastics, their properties, and selection criteria for specific applications.

Process Parameter Precision: Mastering injection pressure, holding pressure, cooling time, and cycle time optimization.

Quality Control Champions: Equipping students with techniques for defect identification and troubleshooting.

Afternoon Session (Hands-on):

Mastering the Machine: Students took control under instructor guidance, operating injection molding machines with confidence.

Material Magic: Hands-on experience in material preparation, feeding, and setting process parameters for different parts.

Molding Marvels: Students created test samples, analyzed the results, and gained insights into process variations.



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Defect Detectives: Identifying common molding defects through close examination and applying troubleshooting strategies.

Key Learnings:

- Students gained a comprehensive understanding of the injection molding process, from concept to finished product.
- They developed practical skills in machine operation, mold design considerations, and process parameter optimization.
- Hands-on experience fostered problem-solving abilities through defect identification and troubleshooting exercises.
- The program enhanced students' awareness of quality control measures and their importance in the industry.

Feedback and Outcomes:

The program received enthusiastic feedback from SSMIET students, who appreciated the blend of theoretical knowledge and practical application. They found the hands-on sessions invaluable, highlighting the importance of real-world experience in complementing classroom learning. This training program aimed to:

- Increase students' employability in the plastics industry.
- Prepare them for further studies and research in injection molding and related fields.
- Equip them with the confidence and skills to excel in their future careers.

Recommendations:

Future programs could incorporate advanced topics like multi-material injection molding and automation technologies.

Partnering with plastics industry players could provide students with internship opportunities and exposure to cutting-edge advancements.

Conclusion:

This one-day hands-on training program successfully transformed SSMIET's third-year mechanical engineering students into confident and knowledgeable practitioners in the realm of injection molding and plastics processing. The program equipped them with valuable skills and insights, preparing them to make a significant impact in this dynamic and ever-growing industry.



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A handwritten signature in green ink, appearing to be 'Dr. D. Senthil Kumaran', is located at the bottom right of the page.



SSM INSTITUTE OF ENGINEERING AND TECHNOLOGY

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

Dindigul- Palani Highway, Dindigul – 624 002.

Department of Mechanical Engineering

Name of the Student : Sugan - B (Optional)

Event Title : One-Day Hands Training on Injection Molding and Plastics Processing

ate :16.08.2022

lease respond to the following questions by ticking one box only for each question. if you have any criticism or suggestions for improvement. Your views are very important and will help us to improve our events, facilities, etc.

Scoring Example

5	4	3	2	1
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1. Information provided at this event is relevant to you

High	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	LOW
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2. You are likely to use this information in the future

High	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	LOW
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3. Presentations were interesting

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4. You would recommend this event to others

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5. Overall, the event was worthwhile

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6. The venue was suitable

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7. Comments/ suggestions (If any)


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Sugan B
Signature



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Dindigul- Palani Highway, Dindigul – 624 002.

Department of Mechanical Engineering

Name of the Student : Navin Joe . J (Optional)

Event Title : **One-Day Hands Training on Injection Molding and Plastics Processing**

ate : **16.08.2022**

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5. Overall, the event was worthwhile

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7. Comments/ suggestions (If any)

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Navin Joe
Signature



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Dindigul- Palani Highway, Dindigul – 624 002.

Department of Mechanical Engineering

Name of the Student : DINESH KUMAR R (Optional)

Event Title : One-Day Hands Training on Injection Molding and Plastics Processing

ate : 16.08.2022

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Signature