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From: hod mechssmiet <hodmechssmiet@gmail.com>
Sent: 23 June 2021 10:54
To: KANDAVEL V
Subject: Fwd: Permission for Hands-on Training -Reg.

23.06.2021

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 Industrial visit for your students, we are pleased to inform you that permission is hereby granted for the Hands-on Training on 02.07.2021 for your students & faculties. During visit, 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**




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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: 2.07.2021

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	922118114001	AAKASH R	25	922118114055	SANGEETH M
2	922118114003	ABESHEIK MAJESTY L	26	922118114056	SANGILI DURAI A
3	922118114004	ABINASH R	27	922118114057	SANKARA NARAYANAN S
4	922118114005	AJITH KUMAR R	28	922118114058	SANTHOSH K
5	922118114006	AKASH A	29	922118114059	SANTHOSH R
6	922118114007	AMIR FAIZAL M	30	922118114060	SANTHOSH S
7	922118114008	BOSCO DENI R C	31	922118114061	SASIKUMAR M
8	922118114009	DEERAVIKRAMAN C K	32	922118114062	SATHISH KUMAR V
9	922118114010	DINESH S	33	922118114063	SATHIYAMOORTHY T
10	922118114011	DINESH KUMAR R	34	922118114064	SELVAKUMAR S
11	922118114012	GANESAN T	35	922118114065	SESHATHRI RAM S
12	922118114013	GOPIKRISHNAN R	36	922118114066	SHIFAATH A
13	922118114016	JALALDEEN J	37	922118114067	SIVANESH B
14	922118114017	JANAKI RAMAN S	38	922118114068	SOMA SUNDHARAM M
15	922118114018	JESTIN JAYAKUMAR V	39	922118114069	SRIHARI G B
16	922118114019	JEYAKKAMALESH B A	40	922118114070	SRIKANTH S
17	922118114020	JEYA PRAKASH B	41	922118114071	SRINITHISH V
18	922118114021	JOHN MOSES SANDREZ J	42	922118114072	SRINIVAAS S
19	922118114022	KAMALAKANNAN V	43	922118114073	SUBASH R
20	922118114026	LOGESH D	44	922118114074	SUDHARSANA KUMAR V
21	922118114027	MALATHI T	45	922118114075	SURYA J
22	922118114028	MANIKANDAN C	46	922118114076	THOMAS EDISON M
23	922118114029	MANIKANDAPRABU G	47	922118114077	VIGNESH B
24	922118114030	MANIVENKATESH S	48	922118114078	VIJAY J

Faculty In-charge



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Department of Mechanical Engineering

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16	922118114019	JEYAKKAMALESH B A	Jeyakkamalesh
17	922118114020	JEYA PRAKASH B	Jeya Prakash
18	922118114021	JOHN MOSES SANDREZ J	John Moses Sandrez
19	922118114022	KAMALAKANNAN V	Kamalakannan
20	922118114026	LOGESH D	Logesh
21	922118114027	MALATHI T	Malathi
22	922118114028	MANIKANDAN C	Manikandan
23	922118114029	MANIKANDAPRABU G	Manikandaprabu
24	922118114030	MANIVENKATESH S	Manivenkatesh

[Signature]
Faculty In-charge



[Signature] *[Signature]* 02/07/2021
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28	922118114058	SANTHOSH K	<i>K. Santhosh</i>
29	922118114059	SANTHOSH R	<i>Santhosh R</i>
30	922118114060	SANTHOSH S	<i>Santhosh S</i>
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45	922118114075	SURYA J	<i>Surya J</i>
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48	922118114078	VIJAY J	<i>Vijay J</i>

Faculty In-charge



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

Program: Injection Molding and Plastics Processing

Target Audience: SSMIET Dindigul, Third Year Mechanical Students

Date: July 2, 2021

Number of Participants: 48

Summary:

This one-day hands-on training program provided CIPET:CSTS Madurai's to the third-year mechanical students of SSMIET, Dindigul with a comprehensive introduction to injection molding and plastics processing. The program aimed to equip participants with theoretical knowledge and practical skills in this crucial manufacturing technology.

Program Structure:

The program was divided into two main sessions:

Morning Session:

Theory:

- Fundamentals of injection molding: process overview, machine components, and cycle stages.
- Types of plastics and their properties.
- Mould design considerations and materials.
- Process parameters and their influence on product quality.
- Common defects and troubleshooting techniques.
- Students actively engaged in clarifying doubts and discussing real-world applications.

Afternoon Session:

Hands-on Workshop:

Participants were divided into small groups and rotated through different stations representing key stages of the injection molding process.

Stations included: material handling, machine setup, mould operation, quality inspection, and troubleshooting simulations.

Each group had the opportunity to operate the injection molding machine under the guidance of experienced instructors.



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Group Project:

Working collaboratively, students applied their newfound knowledge to design and manufacture a simple plastic part using the provided moulds.

Key Learning Outcomes:

- Participants gained a solid understanding of the injection molding process and its various stages.
- They were able to identify different types of plastics and their suitability for specific applications.
- Students learned about mould design considerations and the influence of process parameters on product quality.
- They acquired practical skills in operating an injection molding machine and troubleshooting common issues.
- The group project fostered teamwork and collaborative problem-solving skills.

Overall Assessment:

The one-day hands-on training program was a success, providing SSMIET, Dindigul mechanical students with valuable insights and practical experience in injection molding and plastics processing. The interactive sessions, hands-on workshops, and collaborative project encouraged active learning and knowledge retention. This program significantly contributed to their understanding of this essential manufacturing technology and prepared them for potential careers in the plastics industry.

Recommendations:

- Future programs could explore advanced topics like multi-cavity moulds, hot runner systems, and automation in injection molding.
- Collaboration with industry partners could offer additional insights and hands-on experience in real-world production settings.
- Providing participants with post-training resources and access to industry experts could further support their learning and career development.
- This report summarizes the key aspects of the one-day hands-on training program on injection molding and plastics processing for SSMIET, Dindigul students. It highlights the program's format, key learning outcomes, and overall assessment, while also suggesting potential areas for improvement in future iterations.



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SSM INSTITUTE OF ENGINEERING AND TECHNOLOGY

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Dindigul- Palani Highway, Dindigul – 624 002.

Department of Mechanical Engineering

Name of the Student : LOGESH . D (Optional)

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

ate :02.07.2021

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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Dr. D. Senthil Kumar

Dr.D.SENTHIL KUMARAN, M.E., Ph.D., (NUS)

Principal

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Logesh
Signature



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Dindigul- Palani Highway, Dindigul – 624 002.

Department of Mechanical Engineering

Name of the Student : DINESH S (Optional)

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

Date : 02.07.2021

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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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S. Dinesh
Signature



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Dindigul- Palani Highway, Dindigul – 624 002.

Department of Mechanical Engineering

Name of the Student : S. Santhosh (Optional)

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

ate : **02.07.2021**

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Santhosh. S
Signature