

Dindigul- Palani Highway, Dindigul – 624 002.

### Department of Mechanical Engineering

**Event Name:** Workshop on Coordinate Measuring Machines

Date: 14.02.2019

### **INDEX**

| S.No | List of Contents         | Page. No |
|------|--------------------------|----------|
| 1    | Circular                 | ı        |
| 2    | Invitation               | 2        |
| 3    | About the Program        | 3        |
| 4    | About the speaker        | ч        |
| 5    | Student Name List        | 5        |
| 6    | Student Attendance Sheet | Ь        |
| 7    | Certificate              | 7        |
| 8    | Event Feedback           | 8        |

### Elina control

### SSM INSTITUTE OF ENGINEERING AND TECHNOLOGY

Dindigul-Palani Highway, Dindigul - 624 002.

### Department of Mechanical Engineering

SSMIET/ Circular/ Mech/ 2018-2019

Dt: 04.02.2019

### **CIRCULAR**

We are happy to inform that Department of Mechanical Engineering will be organizing Workshop "Coordinate Measuring Machines", on 14<sup>th</sup> February 2019 (Thursday) at New Seminar Hall. Interested students and staff members are requested to attend the program.

Event-Coordinator

Dr. V. KARDAVEL.

HoD / Mech

PRINCIPAL

Copy to:

All the HoD (To be circulated among all the staff Members and students)

Copy to Noticeboard

### **About the Program**

A coordinate measuring machine (CMM) is a device that measures the geometry of physical objects by sensing discrete points on the surface of the object with a probe. Various types of probes are used in CMMs, including mechanical, optical, laser, and white light. Depending on the machine, the probe position may be manually controlled by an operator or it may be computer controlled. CMMs typically specify a probe's position in terms of its displacement from a reference position in a three-dimensional Cartesian coordinate system (i.e., with XYZ axes). In addition to moving the probe along the X, Y, and Z axes, many machines also allow the probe angle to be controlled to allow measurement of surfaces that would otherwise be unreachable.

### **Workshop Highlights**

- 1. Technical facts
- 2. Specific parts
- 3. Portable coordinate-measuring machines
- 4. Multisensor-measuring machines
- 5. Standardization
- 6. Universal measuring machine
- 7. 3D scanner



Dindigul- Palani Highway, Dindigul – 624 002.

### Department of Mechanical Engineering

Event Name: Workshop on Coordinate Measuring Machines

Venue : New Seminar Hall

Date: 14.02.2019

### **Student Name List**

| S.No | Reg.No       | Name of the Student |
|------|--------------|---------------------|
| 1    | 922116114004 | AKILAN A            |
| 2    | 922116114013 | DEVANANDH A         |
| 3    | 922116114021 | HARI NIVAS G        |
| 4    | 922116114024 | JEEVA T             |
| 5    | 922116114033 | KARTHI KEYAN S      |
| 6    | 922116114041 | MANIVEL S           |
| 7    | 922116114056 | PRAKASH S           |
| 8    | 922116114064 | RAVI KUMAR.S        |
| 9    | 922116114067 | SAKTHIVEL.S         |
| 10   | 922116114072 | SARUKA G            |
| 11   | 922116114080 | THARUN.S            |
| 12   | 922116114085 | VIGNESH.T           |
| 13   | 922116114091 | YOGESHWARAN.G       |
| 14   | 922116114306 | JOHNSON V           |
| 15   | 922116114313 | PITCHAIMANI J       |
| 16   | 922116114316 | RAJADURAI P         |
| 17   | 922116114321 | SUGA VIGNESH.G      |
| 18   | 922117114006 | ARULSELVAN K        |
| 19   | 922117114011 | ARUNKUMAR M         |
| 20   | 922117114017 | DEEPAK R            |
| 21   | 922117114030 | GRACE A             |
| 22   | 922117114051 | KAVIN RAJ K         |
| 23   | 922117114058 | MATHANRAJ G         |
| 24   | 922117114075 | NITHIS C            |
| 25   | 922117114089 | RAJGANGA A          |
| 26   | 922117114086 | RAGUL M             |
| 27   | 922117114095 | SANTHOSE KUMAR R    |
| 28   | 922117114102 | SATHISH K           |
| 29   | 922117114106 | SIRANJEEVI RAJA A   |
| 30   | 922117114017 | DEEPAK R            |

Event-Coordinator

HoD / MECH



Dindigul- Palani Highway, Dindigul - 624 002

Department of Mechanical Engineering

| Event N | Name:Workshop | on Coordinate Measuring Machines | Date: 14.02.2019     |
|---------|---------------|----------------------------------|----------------------|
| Venue   | : New Semin   | ar Hall                          |                      |
| S.NO    | REG NO        | NAME                             |                      |
| 1       | 922116114004  | AKILAN A                         | A. Akilan            |
| 2       | 922116114013  | DEVANANDH A                      | DO LICITIO           |
| 3       | 922116114021  | HARI NIVAS G                     | Harris Novan a       |
| 4       | 922116114024  | JEEVA T                          | Teaus.               |
| 5       | 922116114033  | KARTHI KEYAN S                   | partli bus -         |
| 6       | 922116114041  | MANIVEL S                        | Manifolds            |
| 7       | 922116114056  | PRAKASH S                        | Prakath So           |
| 8       | 922116114064  | RAVI KUMAR.S                     | U South Walley       |
| 9       | 922116114067  | SAKTHIVEL.S                      | 1. Aakthiret 0       |
| 10      | 922116114072  | SARUKA G                         | Saruka a             |
| 11      | 922116114080  | THARUN.S                         | Theorem-S            |
| 12      | 922116114085  | VIGNESH,T                        | than its             |
| 13      | 922116114091  | YOGESHWARAN.G                    | CINO GESHWWAN        |
| 14      | 922116114306  | JOHNSON V                        | v. Josen.            |
| 15      | 922116114313  | PITCHAIMANI J                    | Tohner               |
| 16      | 922116114316  | RAJADURAI P                      | Rows Durai C         |
| 17      | 922116114321  | SUGA VIGNESH.G                   | Suda Vianestr. G.    |
| 18      | 922117114006  | ARULSELVAN K                     | Arulselvan-K         |
| 19      | 922117114011  | ARUNKUMAR M                      | M. Auty              |
| 20      | 922117114017  | DEEPAK R                         | soopal al            |
| 21      | 922117114030  | GRACE A                          | GB-0:4               |
| 22      | 922117114051  | KAVIN RAJ K                      | Q.grang              |
| 23      | 922117114058  | MATHANRAJ G                      | Mathader CA          |
| 24      | 922117114075  | NITHIS C                         | White to             |
| 25      | 922117114089  | RAJGANGA A                       | Rad-M                |
| 26      | 922117114086  | RAGUL M                          | Roaul-M.             |
| 27      | 922117114095  | SANTHOSE KUMAR R                 | ganklous bunas       |
| 28      | 922117114102  | SATHISH K                        | Sattish K            |
| 29      | 922117114106  | SIRANJEEVI RAJA A                | Siven i pe vi Roic A |
| 30      | 922117114017  | DEEPAK R                         | Dank h               |

Event-Coordinator

H<sub>0</sub>D / MECH

### Workshop Photo:-



Workshop on Coordinate Measuring Machine (CMM) by Dr. V. Kandavel, Associate Professor, SSMIET



Name of the Student : VIUTNESH- T

### SSM INSTITUTE OF ENGINEERING AND TECHNOLOGY

Dindigul- Palani Highway, Dindigul – 624 002.

(Optional)

### Department of Mechanical Engineering

| Please respond to the following questions by ticking one box only for each question. if you have any criticism or suggestions improvement. Your views are very important and will help us to improve our events, facilities, etc.    Section 1 - Event |     |
|--|-----|
| Scoring Example  1. Information provided at this event is relevant to you  2. You are likely to use this information in the High   |     |
| Scoring Example  5 4 3 2 1  1. Information provided at this event is relevant to you  1. You are likely to use this information in the High  | for |
| <ol> <li>Information provided at this event is relevant to you</li> <li>You are likely to use this information in the</li> </ol> High  |     |
| to you  2. You are likely to use this information in the High  |     |
| 111211   | LOW |
|  | LOV |
| 3. Presentations were interesting  High  | LO  |
| 4. You would recommend this event to others  High  | ro. |
| 5. Overall, the event was worthwhile  High   | LO  |
| 6. The venue was suitable  | LO  |
| 7. Comments/ suggestions (If any)  |     |

Name of the Student : TEEVA. T

### SSM INSTITUTE OF ENGINEERING AND TECHNOLOGY

Dindigul- Palani Highway, Dindigul – 624 002.

(Optional)

### Department of Mechanical Engineering

| Event               | Title : WORKSHOP ON COOLDIN  | ATE ME                           | 4 SURI N                       | G MAC             | HINES       |           |        |     |
|---------------------|--|----------------------------------|--------------------------------|-------------------|-------------|-----------|--------|-----|
| Date                | 14.02.2019   |                                  |                                |                   |             |           |        |     |
| Please r<br>improve | respond to the following questions by ticking one box only ement. Your views are very important and will help us to im | for each quest<br>prove our ever | tion, if you<br>nts, facilitie | have any es, etc. | criticism c | r suggest | ions f | or  |
|                     | Section 1  | – Event                          |                                |                   |             |           |        |     |
| )                   | Scoring Example  |                                  | 5                              | 4                 | 3           | 2         | 1      |     |
| 1.                  | Information provided at this event is relevant to you  | High                             |                                |                   |             |           |        | LOW |
| 2.                  | You are likely to use this information in the future   | High                             |                                |                   |             |           |        | LOV |
| 3.                  | Presentations were interesting   | High                             |                                |                   |             |           |        | LO  |
| 4.                  | You would recommend this event to others   | High                             |                                |                   |             |           |        | LO  |
| 5.                  | Overall, the event was worthwhile  | High                             |                                |                   |             |           | -      | LO  |
|                     |  | IIIgu                            |                                |                   |             |           |        |     |
| 6.                  | The venue was suitable   | High                             |                                |                   |             |           |        | LO  |
| 7.                  | Comments/ suggestions (If any)   |                                  |                                |                   |             |           |        |     |

Dindigul- Palani Highway, Dindigul – 624 002.

### Department of Mechanical Engineering

| Name             | of the Student: Allan. A   | ( Op          |                                 |              |             |            |          |
|------------------|--|---------------|---------------------------------|--------------|-------------|------------|----------|
| Event            | Title : workshop on co   | -ordine       | ute m                           | osul         | ng n        | naehi      | nos      |
| Date             | : 14.02.2019   |               |                                 |              | X.          |            |          |
| Please<br>improv | respond to the following questions by ticking one box only ement. Your views are very important and will help us to im | for each ques | stion, if you<br>ents, faciliti | u have any o | criticism o | or suggest | ions for |
|                  | Section 1  | . – Event     |                                 |              |             |            |          |
| )                | Scoring Example  |               | 5                               | 4            | 3           | 2          | 1        |
| 1.               | Information provided at this event is relevant to you  | High          |                                 | <b>\</b>     |             |            | LOW      |
| 2.               | You are likely to use this information in the future   | High          | <b>/</b>                        |              |             | -          | LO       |
| 3.               | Presentations were interesting   | High          | <b>/</b>                        |              |             |            | LO       |
| 4.               | You would recommend this event to others   | High          |                                 | <b>/</b>     |             |            | LO       |
| 5.               | Overall, the event was worthwhile  | High          | <b>√</b>                        |              |             |            | LO       |
| 6.               | The venue was suitable   | High          |                                 |              |             |            | LO       |
| 7.               | Comments/ suggestions (If any)   |               |                                 |              | 4           |            |          |

AlLilan. A

Signature

Dindigul- Palani Highway, Dindigul – 624 002.

### **Department of Mechanical Engineering**

KALIPA POS K

| Na        | ame             | of the Student: Kaup Raj K  |                                  | tional)                      |                    | 96,       |           |           |     |
|-----------|-----------------|---|----------------------------------|------------------------------|--------------------|-----------|-----------|-----------|-----|
| Ev        | ent             | Title : workshop on Co  | oxolfrati                        | e Ma                         | easur              | ing       | Mac       | hpnl      | \$  |
| Da        | ate             | : 14.02.2019  |                                  |                              |                    |           |           |           |     |
| Ple<br>im | ease r<br>prove | espond to the following questions by ticking one box only<br>ement. Your views are very important and will help us to im- | for each quest<br>prove our ever | ion. if you<br>its, faciliti | have any oes, etc. | criticisn | n or sugg | estions f | or  |
|           |                 | Section 1   | - Event                          |                              |                    |           |           |           |     |
| .)        |                 | Scoring Example   |                                  | 5                            | 4                  | 3         | 2         | 1         |     |
|           | 1.              | Information provided at this event is relevant to you   | High                             |                              | 1                  |           |           |           | LOW |
|           | 2.              | You are likely to use this information in the future  | High                             | 1                            |                    |           |           |           | LOV |
|           | 3.              | Presentations were interesting  | High                             |                              | 1                  |           |           |           | LO  |
|           | 4.              | You would recommend this event to others  | High                             |                              |                    |           |           |           | LO  |
|           |                 |   |                                  |                              | r                  |           | 1 = 1     | 1         |     |
|           | 5.              | Overall, the event was worthwhile   | High                             | 1                            |                    |           |           |           | LO  |
|           | 6.              | The venue was suitable  | High                             | 1                            |                    |           |           |           | LO  |
|           | 7.              | Comments/ suggestions (If any)  |                                  |                              |                    |           | 0         |           |     |

Kavin raj. K

Signature

Name of the Student :

### SSM INSTITUTE OF ENGINEERING AND TECHNOLOGY

Dindigul- Palani Highway, Dindigul – 624 002.

(Optional)

### Department of Mechanical Engineering

RAJGIANGIAA

| Eve  | ent      | Title : workshop on coorc  | linate r                        | neasur                         | ring       | mac         | nung     |         |     |
|------|----------|--|---------------------------------|--------------------------------|------------|-------------|----------|---------|-----|
| Dat  | te       | : 14.02.2019   |                                 |                                |            |             |          |         |     |
| Plea | ise rove | espond to the following questions by ticking one box only<br>ment. Your views are very important and will help us to imp | for each quest<br>prove our eve | tion. if you<br>nts, facilitie | have any o | criticism o | r sugges | tions f | or  |
|      |          | Section 1  | - Event                         |                                |            |             |          |         |     |
| )    |          | Scoring Example  |                                 | 5                              | 4          | 3           | 2        | 1       |     |
|      | 1.       | Information provided at this event is relevant   |                                 |                                |            |             | _        |         |     |
|      | 1.       | to you   | High                            | 0                              |            |             |          |         | LOW |
|      | 2.       | You are likely to use this information in the future   | High                            |                                |            |             |          |         | LOV |
|      | 3.       | Presentations were interesting   | High                            |                                |            |             |          |         | LO  |
|      |          |  |                                 |                                |            |             | -        |         | 1   |
|      | 4.       | You would recommend this event to others   | High                            |                                |            |             |          |         | LO  |
| )    |          |  |                                 |                                |            |             |          |         |     |
|      | 5.       | Overall, the event was worthwhile  | High                            | V                              |            | - 1         |          |         | LO  |
|      | 6.       | The venue was suitable   | High                            |                                | 1          |             |          |         | LO  |
|      | 7.       | Comments/ suggestions (If any)   |                                 |                                |            |             |          |         |     |



Dindigul-Palani Highway, Dindigul-624002

## Department of Mechanical Engineering

### Certificate of Participation

| me day Workshop on                          | ring, SSM Institute of  |  |
|---|---|--|
| has participated in the one day Workshop on | the Department of Mechanical Enginee  | 610  |
| This is to certify mat wit. Ans.            | " Coordinate Measuring Machines " organized by the Department of Mechanical Engineering, SSM Institute of | Engineering and Yechnology. Dindigul on 14.02.2019 |

Dr. G. Sankaranarayanan Professor and Head / Mech. Engg

Dr.M.Saravanan Principal.SSMET