

SYLLABUS/
CURRICULUM



PANDIAN SARASWATHI YADAV ENGINEERING COLLEGE

(Approved by AICTE & Affiliated to Anna University, Chennai)

Madurai - Sivagangai Highway, Arasanoor, Thirumansolai Post, Sivagangai Dt. - 630 561, Tamilnadu

Mobile : 9842102628, 7373002628

Email: info@psyec.edu.in

Website : www.psyec.edu.in

City Office : 10, Pandian Saraswathi St, Sivagami Nagar, Narayanapuram, Madurai - 625 014. Telefax- 0452 2682338, Mobile : 98423-02628

Department of Mechanical Engineering

Academic Year 2018-2019

VACME1819AIM- Advances in Metrology

OBJECTIVE OF THE COURSE

- To make students familiar with measuring systems and standard of measurements.
- Learns about basic measurement devices
- Understanding Basic Measurement Systems in real time engineering applications
- Enables students to work in Quality Control and assurance industries

UNIT I COMPUTER AIDED INSPECTION 7

High precision measurements - interfacing software metrology - Automated visual inspection in manufacturing. contact and non - contact type inspection methods, Electrical field techniques, radiation techniques, ultrasonic -Atomic Force Microscopes (AFM), Tal surf instruments.

UNIT II LASER METROLOGY 7

Laser Interferometer, Alignment Telescope, laser scanners. On-line and in - process measurements - diameter, surface roughness, Micro holes, surface topography measurements, straightness and flatness measurement. speckle measurements.

UNIT III COORDINATE MEASURING MACHINE 7

CMM Types, Applications Non-contact CMM using Electro optical sensors for dimensional metrology - non-contact sensors for surface finish measurements - Measurements / programming with CNC CMM - Performance evaluations. Measurement integration. Machine Vision: Image Acquisition and Processing - Binary and Gray level images, image segmentation and labelling, representation and interpretation of colours.

UNIT IV AUTOMATED VISUAL INSPECTION 7

Edge detection techniques, Normalization. Grey scale correlation - Reflectance map concepts; surface roughness and texture characterization - photogrammetry. Application of Machine Vision in inspection. Measurement of length, diameters, Surface roughness. automated visual inspection - 3D and dynamic feature extraction.

UNIT V ON-LINE QUALITY CONTROL 7

On-line Quality control: On-line feedback quality control variable characteristics - control with measurement interval, one unit, and multiple units control systems for lot and batch production.

Total:35 hours

OUTCOMES

- Explain various Product Design & Development techniques.
- Compare different latest Product Design & Development Methods.


Course coordinator


HOD/MECH


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Department of Mechanical Engineering

Academic Year 2018-2019

VACME1819AIM- Advances in Metrology

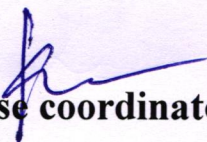
Course Schedule

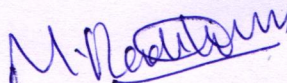
Date	Time	TOPICS
17/04/2019	9.00 am to 12.15 pm	High precision measurements - interfacing software metrology - Automated visual inspection in manufacturing. contact and non - contact type inspection methods, Electrical field techniques, radiation techniques, ultrasonic -Atomic Force Microscopes (AFM), Surface instruments.
	1.00 pm to 4.15 pm	
18/04/2019	9.00 am to 12.15 pm	Laser Interferometer, Alignment Telescope, laser scanners. On-line and in - process measurements - diameter, surface roughness, Micro holes, surface topography measurements, straightness and flatness measurement. speckle measurements.
	1.00 pm to 4.15 pm	
19/04/2019	9.00 am to 12.15 pm	CMM Types, Applications - Non-contact CMM using Electro optical sensors for dimensional metrology - non-contact sensors for surface finish measurements - Measurements / programming with CNC CMM - Performance evaluations - Measurement integration..
	1.00 pm to 4.15 pm	
20/04/2019	9.00 am to 12.15 pm	Machine Vision: Image Acquisition and Processing - Binary and Gray level images, image segmentation and labelling, representation and interpretation of colours.
	1.00 pm to 4.15 pm	
21/04/2019	9.00 am to 12.15 pm	Edge detection techniques, Normalization. Grey scale correlation - Reflectance map concepts; surface roughness and texture characterization - photogrammetry. Application of Machine Vision in inspection - Measurement of length, diameters, Surface roughness - automated visual inspection - 3D and dynamic feature extraction
	1.00 pm to 4.15 pm	
22/04/2019	9.00 am to 12.15 pm	On-line Quality control: On-line feedback quality control variable characteristics - control with measurement interval, one unit, and multiple units control systems for lot and batch production.
	1.00 pm to 4.15 pm	

Total Hours: 35

Tea Break: 11:00 am to 11:15am & 03:00 pm to 03:15 pm

Lunch Break: 12:15 pm to 01:00pm


Course coordinator


HOD/MECH


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DEPARTMENT OF MECHANICAL ENGINEERING

Academic Year 2018 – 2019

One page Report

Name of the course : **Advances in Metrology**
Course Code : **VACME1819AIM**
Course Coordinator : **Dr.P.V. Arulkumar**
Date/Duration : **17.04.2019-22.04.2019— 35 hours**

I here affirm that the third-year students of strength 55 have been taught the value-added course title “**Advances in Metrology**” as per the syllabus and completed within the stipulated time duration.

I confirm that the value-added course titled “**Advances in Metrology**” has been conducted in the beginning of the semester and course delivery along with the attendance of the students was recorded.

I confirmed that all the students were actively participated in the course and the eligible students were certified for the course.

Dr.P.V.Arulkumar

ASP/MECH

Course Co-Ordinator

Mr.M. Radhakrishnan.,

ASP/MECH

Head of the Department

Dr.R.RAJA

Principal

PSYEC

R RAJA

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ASSESSMENT PROCEDURE



PANDIAN SARASWATHI YADAV ENGINEERING COLLEGE

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Department of Mechanical Engineering

Academic Year 2018-2019

VACME1819AIM- Advances in Metrology

Assessment Questions with Answer

1. What is the principle of 'The Johansson Mikrokator'?
 - a) **Button spinning on a loop of string**
 - b) Principle of interference
 - c) Optical magnification
 - d) Principle of transformer
2. Which of the following is true for uses of comparators?
 - a) Can't be used in mass production
 - b) Not suitable for inspection purposes
 - c) **Can be used as working gauge**
 - d) Slow rate of working
3. From which category 'Sigma comparator' belongs?
 - a) Optical comparator

Mechanical comparator
Mechanical-optical comparator
Pneumatic comparator
4. What is the advantage of mechanical comparator over others?
 - a) Less moving parts
 - b) **No need of external supply**
 - c) No error due to parallax
 - d) Large range of instrument
5. Which of the following is true for 'Cross strip' in sigma comparator?
 - a) Has two moving members
 - b) **Cross strip is hinged**
 - c) Two members are at 45° to each other
 - d) A flexible strip is attached to any one of the members of cross strip
6. Which colour of light is filtered by filter present in Zeiss Ultra-optimeter?
 - a) Red
 - b) Blue
 - c) **Green**
 - d) Yellow

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7. Which of the following is true for Eden-Rolt Millionth Comparator?

- a) **Utilise both mechanical and optical magnifications**
- b) Only mechanical magnification
- c) Only optical magnification
- d) Only electrical magnification

8 Which of the following option is correct regarding the characteristics of comparators?

- a) **Minimum inertia**
- b) Minimum compensation for temperature effect
- c) High measuring pressure
- d) Minimum versatility

9. What is the use of bleed valve in flow type pneumatic comparator?

- a) **Zero adjustment**
- b) Measurement of size
- c) Connect passage of air from plastic tube to gauging head
- d) Used with pressure reducing unit

10. What is the order of overall magnification in Eden-Rolt Millionth Comparator?

- a) 50
- b) 400
- c) **20,000**
- d) 800

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Department of Mechanical Engineering

Academic Year 2018-2019

VACME1819AIM- Advances in Metrology

Assessment Test Paper

REGISTER NUMBER: 912016114036

NAME OF THE STUDENT: Saraswathi S

9/10

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- a) Button spinning on a loop of string
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- d) Principle of transformer

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- d) Yellow

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- a) 50
- b) 400
- c) 20,000
- d) 800

Pandian Saraswathi yadav Engineering College,

Arasanoor -630561

Department of Mechanical Engineering

Student Performance Sheet

Academic Year : 2018-2019

Course Code : VACME1819AIM

Course Name : Advances in Metrology

Duration of hours : 35

Period of Course : 17-04-19 to 22-04-19

Assessment Marks			Marks
Sl. No	Register Number	Student Name	
1	912016114001	Aadhi Raja M	86
2	912016114005	Arunkumar M	84
3	912016114006	Azhagupandi C	82
4	912016114008	Bala Murugan K	93
5	912016114009	Bharathikannan G	90
6	912016114010	Bhupathi K	94
7	912016114011	Dhinesh J	85
8	912016114012	Dhinesh R	76
9	912016114013	Dinesh Kumar S P	75
10	912016114014	Ganesan M	73
11	912016114016	Jegatheesh Kumar M	78
12	912016114018	Karthikeyan Ktk	74
13	912016114019	Karthik Raja K	75
14	912016114020	Kirubasankar A	73
15	912016114021	Maharajan M	95
16	912016114022	Mahendra Prasath J	94
17	912016114023	Manikandan P	90
18	912016114024	Manojbabu U	84
19	912016114025	Mariyappan P	86
20	912016114026	Mathan A	87
21	912016114027	Muthu Krishnan S	88
22	912016114028	Muthuraja S	85

23	912016114029	Pandimurugan V	94
24	912016114030	Pavith Pandiyan P	90
25	912016114031	Ponshankar P	92
26	912016114032	Prabu N	93
27	912016114033	Raghul Prasanna M	94
28	912016114034	Rajesh M	94
29	912016114036	Rasathi S	90
30	912016114037	Riyaz I	88
31	912016114038	Sabapathi D	85
32	912016114039	Sakkarai Meeran A	86
33	912016114040	Sakthivel A	87
34	912016114041	Sanjith P	78
35	912016114044	Subash Pandian V	92
36	912016114045	Vazhiniraiselvan M	93
37	912016114046	Venkatesh A	94
38	912016114047	Vignesh M	95
39	912016114049	Vignesh Pandiyan S	96
40	912016114050	Vignesh R	96
41	912016114051	Vigneshwaran J	95
42	912016114052	Vigneshwaran S (28.00.1000)	90
43	912016114053	Vigneshwaran S (17- 10.1000)	93
44	912016114054	Vijayakumar A	92
45	912016114055	Vijay M	94
46	912016114057	Yoganraja T	96
47	912016114301	Tamilselvan G	85
48	912016114702	Abulkalam	84
49	912016114302	Vignesh V	83
50	912016114901	Rahul H	82
51	912016114902	Rishikesh C	80
52	912016114904	Lingaraj M	82


Course Coordinator


HOD/MECH


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STUDENTS ATTENDANCE

Academic Year : 2018-2019

Course Code : VACME1819AIM

Course Name : Advances in Metrology

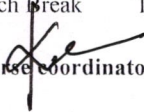
Duration of hours : 35

Period of Course : 17.04.19 to 22.04.19

Sl. No	Register Number	Student Name	Date: 17.04.2019					
			09.00 am - 10.00 am	10.00 am - 11.00 am	11.15 am - 12.15pm	01.00 pm - 02.00 pm	02.00 pm - 03.00 pm	03.15 pm - 04.15 pm
1	912016114001	Aadhi Raja M	M. Athu	M. Athu	M. Athu	M. Athu	M. Athu	M. Athu
2	912016114005	Arunkumar M	M. Athu	M. Athu	M. Athu	M. Athu	M. Athu	M. Athu
3	912016114006	Azhagupandi C	C. Athu	C. Athu	C. Athu	C. Athu	C. Athu	C. Athu
4	912016114008	Bala Murugan K	K. Athu	K. Athu	K. Athu	K. Athu	K. Athu	K. Athu
5	912016114009	Bharathikannan G	G. Athu	G. Athu	G. Athu	G. Athu	G. Athu	G. Athu
6	912016114010	Bhupathi K	K. Athu	K. Athu	K. Athu	K. Athu	K. Athu	K. Athu
7	912016114011	Dhinesh J	J. Athu	J. Athu	J. Athu	J. Athu	J. Athu	J. Athu
8	912016114012	Dhinesh R	R. Athu	R. Athu	R. Athu	R. Athu	R. Athu	R. Athu
9	912016114013	Dinesh Kumar S P	P. Athu	P. Athu	P. Athu	P. Athu	P. Athu	P. Athu
10	912016114014	Ganesan M	M. Athu	M. Athu	M. Athu	M. Athu	M. Athu	M. Athu
11	912016114016	Jegatheesh Kumar M	M. Athu	M. Athu	M. Athu	M. Athu	M. Athu	M. Athu
12	912016114018	Karthikeyan Ktk	K. Athu	K. Athu	K. Athu	K. Athu	K. Athu	K. Athu
13	912016114019	Karthik Raja K	K. Athu	K. Athu	K. Athu	K. Athu	K. Athu	K. Athu
14	912016114020	Kirubasankar A	A. Athu	A. Athu	A. Athu	A. Athu	A. Athu	A. Athu
15	912016114021	Maharajan M	M. Athu	M. Athu	M. Athu	M. Athu	M. Athu	M. Athu
16	912016114022	Mahendra Prasath J	J. Athu	J. Athu	J. Athu	J. Athu	J. Athu	J. Athu
17	912016114023	Manikandan P	P. Athu	P. Athu	P. Athu	P. Athu	P. Athu	P. Athu
18	912016114024	Manojbabu U	U. Athu	U. Athu	U. Athu	U. Athu	U. Athu	U. Athu
19	912016114025	Mariyappan P	P. Athu	P. Athu	P. Athu	P. Athu	P. Athu	P. Athu
20	912016114026	Mathan A	A. Athu	A. Athu	A. Athu	A. Athu	A. Athu	A. Athu
21	912016114027	Muthu Krishnan S	S. Athu	S. Athu	S. Athu	S. Athu	S. Athu	S. Athu
22	912016114028	Muthuraja S	S. Athu	S. Athu	S. Athu	S. Athu	S. Athu	S. Athu
23	912016114029	Pandimurugan V	V. Athu	V. Athu	V. Athu	V. Athu	V. Athu	V. Athu
24	912016114030	Pavith Pandiyan P	P. Athu	P. Athu	P. Athu	P. Athu	P. Athu	P. Athu
25	912016114031	Ponshankar P	P. Athu	P. Athu	P. Athu	P. Athu	P. Athu	P. Athu
26	912016114032	Prabu N	N. Athu	N. Athu	N. Athu	N. Athu	N. Athu	N. Athu

27	912016114033	Raghul Prasanna M	R.P	R.P	R.P	R.P	R.P	R.P
28	912016114034	Rajesh M	M.P	M.P	M.P	M.P	M.P	M.P
29	912016114036	Rasathi S	S.P	S.P	S.P	S.P	S.P	S.P
30	912016114037	Riyaz I	T.Riyaz	T.Riyaz	T.Riyaz	T.Riyaz	T.Riyaz	T.Riyaz
31	912016114038	Sabapathi D	S.D	S.D	S.D	S.D	S.D	S.D
32	912016114039	Sakkara Meeran A	A.M	A.M	A.M	A.M	A.M	A.M
33	912016114040	Sakthivel A	A.S	A.S	A.S	A.S	A.S	A.S
34	912016114041	Sanjith P	P.Sanjith	P.Sanjith	P.Sanjith	P.Sanjith	P.Sanjith	P.Sanjith
35	912016114044	Subash Pandian V	V.S	V.S	V.S	V.S	V.S	V.S
36	912016114045	Vazhiniraiselvan M	M.V	M.V	M.V	M.V	M.V	M.V
37	912016114046	Venkatesh A	A.V	A.V	A.V	A.V	A.V	A.V
38	912016114047	Vignesh M	M.V	M.V	M.V	M.V	M.V	M.V
39	912016114049	Vignesh Pandiyan S	S.V	S.V	S.V	S.V	S.V	S.V
40	912016114050	Vignesh R	R.V	R.V	R.V	R.V	R.V	R.V
41	912016114051	Vigneshwaran J	J.V	J.V	J.V	J.V	J.V	J.V
42	912016114052	Vigneshwaran S (28.00.1000)	S.V	S.V	S.V	S.V	S.V	S.V
43	912016114053	Vigneshwaran S (17.10.1000)	S.V	S.V	S.V	S.V	S.V	S.V
44	912016114054	Vijayakumar A	A.V	A.V	A.V	A.V	A.V	A.V
45	912016114055	Vijay M	M.V	M.V	M.V	M.V	M.V	M.V
46	912016114057	Yoganraja T	T.V	T.V	T.V	T.V	T.V	T.V
47	912016114301	Tamilselvan G	G.V	G.V	G.V	G.V	G.V	G.V
48	912016114702	Abulkalam	A.V	A.V	A.V	A.V	A.V	A.V
49	912016114302	Vignesh V	V.V	V.V	V.V	V.V	V.V	V.V
50	912016114901	Rahul H	H.R	H.R	H.R	H.R	H.R	H.R
51	912016114902	Rishikesh C	C.R	C.R	C.R	C.R	C.R	C.R
52	912016114904	Lingaraj M	M.R	M.R	M.R	M.R	M.R	M.R

Tea Break FN- 11:00 am to 11:15am & AN-03:00 pm to 03:15 pm
Lunch Break 12:15 pm to 01:00pm

Course Coordinator 

HOD/MECH 

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Student Attendance Sheet

Academic Year : 2018-2019

Course Code : VACME1819AIM

Course Name : Advances in Metrology

Duration of hours : 35

Period of Course : 17.04.19 to 22.04.19

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2	912016114005	Arunkumar M	M.A.R	M.A.R	M.A.R	M.A.R	M.A.R	M.A.R
3	912016114006	Azhagupandi C	C.A.R	C.A.R	C.A.R	C.A.R	C.A.R	C.A.R
4	912016114008	Bala Murugan K	K.B.R	K.B.R	K.B.R	K.B.R	K.B.R	K.B.R
5	912016114009	Bharathikannan G	G.B.R	G.B.R	G.B.R	G.B.R	G.B.R	G.B.R
6	912016114010	Bhupathi K	K.B.R	K.B.R	K.B.R	K.B.R	K.B.R	K.B.R
7	912016114011	Dhinesh J	J.D.R	J.D.R	J.D.R	J.D.R	J.D.R	J.D.R
8	912016114012	Dhinesh R	R.D.R	R.D.R	R.D.R	R.D.R	R.D.R	R.D.R
9	912016114013	Dinesh Kumar S P	P.S.R	P.S.R	P.S.R	P.S.R	P.S.R	P.S.R
10	912016114014	Ganesan M	M.G.R	M.G.R	M.G.R	M.G.R	M.G.R	M.G.R
11	912016114016	Jegatheesh Kumar M	M.K.R	M.K.R	M.K.R	M.K.R	M.K.R	M.K.R
12	912016114018	Karthikeyan Ktk	K.K.R	K.K.R	K.K.R	K.K.R	K.K.R	K.K.R
13	912016114019	Karthik Raja K	K.R.R	K.R.R	K.R.R	K.R.R	K.R.R	K.R.R
14	912016114020	Kirubasankar A	A.K.R	A.K.R	A.K.R	A.K.R	A.K.R	A.K.R
15	912016114021	Maharajan M	M.M.R	M.M.R	M.M.R	M.M.R	M.M.R	M.M.R
16	912016114022	Mahendra Prasath J	J.P.R	J.P.R	J.P.R	J.P.R	J.P.R	J.P.R
17	912016114023	Manikandan P	P.M.R	P.M.R	P.M.R	P.M.R	P.M.R	P.M.R
18	912016114024	Manojbabu U	U.M.R	U.M.R	U.M.R	U.M.R	U.M.R	U.M.R
19	912016114025	Mariyappan P	P.M.R	P.M.R	P.M.R	P.M.R	P.M.R	P.M.R
20	912016114026	Mathan A	A.M.R	A.M.R	A.M.R	A.M.R	A.M.R	A.M.R
21	912016114027	Muthu Krishnan S	S.M.R	S.M.R	S.M.R	S.M.R	S.M.R	S.M.R
22	912016114028	Muthuraja S	S.M.R	S.M.R	S.M.R	S.M.R	S.M.R	S.M.R
23	912016114029	Pandimurugan V	V.P.R	V.P.R	V.P.R	V.P.R	V.P.R	V.P.R
24	912016114030	Pavith Pandiyan P	P.P.R	P.P.R	P.P.R	P.P.R	P.P.R	P.P.R
25	912016114031	Ponshankar P	P.P.R	P.P.R	P.P.R	P.P.R	P.P.R	P.P.R
26	912016114032	Prabu N	N.P.R	N.P.R	N.P.R	N.P.R	N.P.R	N.P.R

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27	912016114033	Raghul Prasanna M	R.P.M	R.P.M	R.P.M	R.P.M	R.P.M	R.P.M
28	912016114034	Rajesh M	M.Raj	M.Raj	M.Raj	M.Raj	M.Raj	M.Raj
29	912016114036	Rasathi S	S.Ras	S.Ras	S.Ras	S.Ras	S.Ras	S.Ras
30	912016114037	Riyaz I	I.Ri	I.Ri	I.Ri	I.Ri	I.Ri	I.Ri
31	912016114038	Sabapathi D	D.Sab	D.Sab	D.Sab	D.Sab	D.Sab	D.Sab
32	912016114039	Sakkarai Meeran A	A.Me	A.Me	A.Me	A.Me	A.Me	A.Me
33	912016114040	Sakthivel A	A.Sak	A.Sak	A.Sak	A.Sak	A.Sak	A.Sak
34	912016114041	Sanjith P	P.San	P.San	P.San	P.San	P.San	P.San
35	912016114044	Subash Pandian V	V.Sub	V.Sub	V.Sub	V.Sub	V.Sub	V.Sub
36	912016114045	Vazhiniraiselvan M	M.Vaz	M.Vaz	M.Vaz	M.Vaz	M.Vaz	M.Vaz
37	912016114046	Venkatesh A	A.Ven	A.Ven	A.Ven	A.Ven	A.Ven	A.Ven
38	912016114047	Vignesh M	M.Vig	M.Vig	M.Vig	M.Vig	M.Vig	M.Vig
39	912016114049	Vignesh Pandiyas S	S.Vig	S.Vig	S.Vig	S.Vig	S.Vig	S.Vig
40	912016114050	Vignesh R	R.Vig	R.Vig	R.Vig	R.Vig	R.Vig	R.Vig
41	912016114051	Vigneshwaran J	J.Vig	J.Vig	J.Vig	J.Vig	J.Vig	J.Vig
42	912016114052	Vigneshwaran S (29.06.1000)	S.Vig	S.Vig	S.Vig	S.Vig	S.Vig	S.Vig
43	912016114053	Vigneshwaran S (17.10.1000)	S.Vig	S.Vig	S.Vig	S.Vig	S.Vig	S.Vig
44	912016114054	Vijayakumar A	A.Vij	A.Vij	A.Vij	A.Vij	A.Vij	A.Vij
45	912016114055	Vijay M	M.Vij	M.Vij	M.Vij	M.Vij	M.Vij	M.Vij
46	912016114057	Yoganraja T	T.Yog	T.Yog	T.Yog	T.Yog	T.Yog	T.Yog
47	912016114301	Tamilselvan G	G.Tam	G.Tam	G.Tam	G.Tam	G.Tam	G.Tam
48	912016114702	Abulkalam	A.Abu	A.Abu	A.Abu	A.Abu	A.Abu	A.Abu
49	912016114302	Vignesh V	V.Vig	V.Vig	V.Vig	V.Vig	V.Vig	V.Vig
50	912016114901	Rahul H	H.Rah	H.Rah	H.Rah	H.Rah	H.Rah	H.Rah
51	912016114902	Rishikesh C	C.Ris	C.Ris	C.Ris	C.Ris	C.Ris	C.Ris
52	912016114904	Lingaraj M	M.Lin	M.Lin	M.Lin	M.Lin	M.Lin	M.Lin

Tea Break FN- 11:00 am to 11:15am & AN-03:00 pm to 03:15 pm
Lunch Break 12:15 pm to 01:00pm

Course coordinator

M. Kasthuri
HOD/MECH

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Student Attendance Sheet

Academic Year : 2018-2019

Course Code : VACME1819AIM

Course Name : Advances in Metrology

Duration of hours : 35

Period of Course : 17.04.2019 to 22.04.2019

Sl. No	Register Number	Student Name	Date: 19.04.2019					
			09.00 am - 10.00 am	10.00 am - 11.00 am	11.15 am - 12.15pm	01.00 pm - 02.00 pm	02.00 pm - 03.00 pm	03.15 pm - 04.15 pm
1	912016114001	Aadhi Raja M	M.Aadh	M.Aadh	M.Aadh	M.Aadh	M.Aadh	M.Aadh
2	912016114005	Arunkumar M	Arun	Arun	Arun	Arun	Arun	Arun
3	912016114006	Azhagupandi C	Azha	Azha	Azha	Azha	Azha	Azha
4	912016114008	Bala Murugan K	Bala	Bala	Bala	Bala	Bala	Bala
5	912016114009	Bharathikannan G	G.Bhar	G.Bhar	G.Bhar	G.Bhar	G.Bhar	G.Bhar
6	912016114010	Bhupathi K	Bhu	Bhu	Bhu	Bhu	Bhu	Bhu
7	912016114011	Dhinesh J	D.J	D.J	D.J	D.J	D.J	D.J
8	912016114012	Dhinesh R	D.R	D.R	D.R	D.R	D.R	D.R
9	912016114013	Dinesh Kumar S P	D.K	D.K	D.K	D.K	D.K	D.K
10	912016114014	Ganesan M	M.Gan	M.Gan	M.Gan	M.Gan	M.Gan	M.Gan
11	912016114016	Jegatheesh Kumar M	J.Kumar	J.Kumar	J.Kumar	J.Kumar	J.Kumar	J.Kumar
12	912016114018	Karthikeyan Ktk	K.Ktk	K.Ktk	K.Ktk	K.Ktk	K.Ktk	K.Ktk
13	912016114019	Karthik Raja K	K.Raja	K.Raja	K.Raja	K.Raja	K.Raja	K.Raja
14	912016114020	Kirubasankar A	A.Kir	A.Kir	A.Kir	A.Kir	A.Kir	A.Kir
15	912016114021	Maharajan M	M.Maha	M.Maha	M.Maha	M.Maha	M.Maha	M.Maha
16	912016114022	Mahendra Prasath J	J.Pras	J.Pras	J.Pras	J.Pras	J.Pras	J.Pras
17	912016114023	Manikandan P	P.Man	P.Man	P.Man	P.Man	P.Man	P.Man
18	912016114024	Manojbabu U	U.Man	U.Man	U.Man	U.Man	U.Man	U.Man
19	912016114025	Mariyappan P	P.Mari	P.Mari	P.Mari	P.Mari	P.Mari	P.Mari
20	912016114026	Mathan A	A.Math	A.Math	A.Math	A.Math	A.Math	A.Math
21	912016114027	Muthu Krishnan S	S.Muth	S.Muth	S.Muth	S.Muth	S.Muth	S.Muth
22	912016114028	Muthuraja S	S.Muth	S.Muth	S.Muth	S.Muth	S.Muth	S.Muth
23	912016114029	Pandimurugan V	V.Pan	V.Pan	V.Pan	V.Pan	V.Pan	V.Pan
24	912016114030	Pavith Pandiyan P	P.Pan	P.Pan	P.Pan	P.Pan	P.Pan	P.Pan
25	912016114031	Ponshankar P	P.Pon	P.Pon	P.Pon	P.Pon	P.Pon	P.Pon
26	912016114032	Prabu N	N.Prab	N.Prab	N.Prab	N.Prab	N.Prab	N.Prab

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27	912016114033	Raghul Prasanna M	R.P.M	R.P.M	R.P.M	R.P.M	R.P.M	R.P.M
28	912016114034	Rajesh M	M.R	M.R	M.R	M.R	M.R	M.R
29	912016114036	Rasathi S	S.Rali	S.Rali	S.Rali	S.Rali	S.Rali	S.Rali
30	912016114037	Riyaz I	I.R	I.R	I.R	I.R	I.R	I.R
31	912016114038	Sabapathi D	S.D	S.D	S.D	S.D	S.D	S.D
32	912016114039	Sakkarai Meeran A	A.M	A.M	A.M	A.M	A.M	A.M
33	912016114040	Sakthivel A	A.S	A.S	A.S	A.S	A.S	A.S
34	912016114041	Sanjith P	P.S	P.S	P.S	P.S	P.S	P.S
35	912016114044	Subash Pandian V	V.S	V.S	V.S	V.S	V.S	V.S
36	912016114045	Vazhiniraiselvan M	M.V	M.V	M.V	M.V	M.V	M.V
37	912016114046	Venkatesh A	A.V	A.V	A.V	A.V	A.V	A.V
38	912016114047	Vignesh M	M.V	M.V	M.V	M.V	M.V	M.V
39	912016114049	Vignesh Pandiyan S	S.V	S.V	S.V	S.V	S.V	S.V
40	912016114050	Vignesh R	R.V	R.V	R.V	R.V	R.V	R.V
41	912016114051	Vigneshwaran J	J.V	J.V	J.V	J.V	J.V	J.V
42	912016114052	Vigneshwaran S (28.00.1000)	S.V	S.V	S.V	S.V	S.V	S.V
43	912016114053	Vigneshwaran S (17.10.1000)	S.V	S.V	S.V	S.V	S.V	S.V
44	912016114054	Vijayakumar A	A.V	A.V	A.V	A.V	A.V	A.V
45	912016114055	Vijay M	M.V	M.V	M.V	M.V	M.V	M.V
46	912016114057	Yoganraja T	T.V	T.V	T.V	T.V	T.V	T.V
47	912016114301	Tamilselvan G	G.V	G.V	G.V	G.V	G.V	G.V
48	912016114702	Abulkalam	A.V	A.V	A.V	A.V	A.V	A.V
49	912016114302	Vignesh V	V.V	V.V	V.V	V.V	V.V	V.V
50	912016114901	Rahul H	H.R	H.R	H.R	H.R	H.R	H.R
51	912016114902	Rishikesh C	C.R	C.R	C.R	C.R	C.R	C.R
52	912016114904	Lingaraj M	M.L	M.L	M.L	M.L	M.L	M.L

Tea Break FN- 11:00 am to 11:15am & AN-03:00 pm to 03:15 pm
Lunch Break 12:15 pm to 01:00pm

Course coordinator

M. Narayana
HOD/MECH

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Student Attendance Sheet

Academic Year : 2018-2019

Course Code : VACME1819AIM

Course Name : Advances in Metrology

Duration of hours : 35

Period of Course : 17.04.19 to 22.04.19

Sl. No	Register Number	Student Name	Date: <u>20.04.19</u>					
			09.00 am - 10.00 am	10.00 am - 11.00 am	11.15 am - 12.15pm	01.00 pm - 02.00 pm	02.00 pm - 03.00 pm	03.15 pm - 04.15 pm
1	912016114001	Aadhi Raja M	M.A.R	M.A.R	M.A.R	M.A.R	M.A.R	M.A.R
2	912016114005	Arunkumar M	M.A.R	M.A.R	M.A.R	M.A.R	M.A.R	M.A.R
3	912016114006	Azhagupandi C	C.A.R	C.A.R	C.A.R	C.A.R	C.A.R	C.A.R
4	912016114008	Bala Murugan K	K.B.R	K.B.R	K.B.R	K.B.R	K.B.R	K.B.R
5	912016114009	Bharathikannan G	G.B.R	G.B.R	G.B.R	G.B.R	G.B.R	G.B.R
6	912016114010	Bhupathi K	K.B.R	K.B.R	K.B.R	K.B.R	K.B.R	K.B.R
7	912016114011	Dhinesh J	J.D.R	J.D.R	J.D.R	J.D.R	J.D.R	J.D.R
8	912016114012	Dhinesh R	R.D.R	R.D.R	R.D.R	R.D.R	R.D.R	R.D.R
9	912016114013	Dinesh Kumar S P	S.P.D	S.P.D	S.P.D	S.P.D	S.P.D	S.P.D
10	912016114014	Ganesan M	M.G.R	M.G.R	M.G.R	M.G.R	M.G.R	M.G.R
11	912016114016	Jegatheesh Kumar M	M.K.R	M.K.R	M.K.R	M.K.R	M.K.R	M.K.R
12	912016114018	Karthikeyan Ktk	K.K.R	K.K.R	K.K.R	K.K.R	K.K.R	K.K.R
13	912016114019	Karthik Raja K	K.K.R	K.K.R	K.K.R	K.K.R	K.K.R	K.K.R
14	912016114020	Kirubasankar A	A.K.R	A.K.R	A.K.R	A.K.R	A.K.R	A.K.R
15	912016114021	Maharajan M	M.M.R	M.M.R	M.M.R	M.M.R	M.M.R	M.M.R
16	912016114022	Mahendra Prasath J	J.P.R	J.P.R	J.P.R	J.P.R	J.P.R	J.P.R
17	912016114023	Manikandan P	P.M.R	P.M.R	P.M.R	P.M.R	P.M.R	P.M.R
18	912016114024	Manojbabu U	U.M.R	U.M.R	U.M.R	U.M.R	U.M.R	U.M.R
19	912016114025	Mariyappan P	P.M.R	P.M.R	P.M.R	P.M.R	P.M.R	P.M.R
20	912016114026	Mathan A	A.M.R	A.M.R	A.M.R	A.M.R	A.M.R	A.M.R
21	912016114027	Muthu Krishnan S	S.M.R	S.M.R	S.M.R	S.M.R	S.M.R	S.M.R
22	912016114028	Muthuraja S	S.M.R	S.M.R	S.M.R	S.M.R	S.M.R	S.M.R
23	912016114029	Pandimurugan V	V.P.R	V.P.R	V.P.R	V.P.R	V.P.R	V.P.R
24	912016114030	Pavith Pandiyan P	P.P.R	P.P.R	P.P.R	P.P.R	P.P.R	P.P.R
25	912016114031	Ponshankar P	P.P.R	P.P.R	P.P.R	P.P.R	P.P.R	P.P.R
26	912016114032	Prabu N	N.P.R	N.P.R	N.P.R	N.P.R	N.P.R	N.P.R

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27	912016114033	Raghul Prasanna M	R.P.	R.P.	R.P.	R.P.	R.P.	R.P.
28	912016114034	Rajesh M	M.P.	M.P.	M.P.	M.P.	M.P.	M.P.
29	912016114036	Rasathi S	S.P.	S.P.	S.P.	S.P.	S.P.	S.P.
30	912016114037	Riyaz I	I.P.	I.P.	I.P.	I.P.	I.P.	I.P.
31	912016114038	Sabapathi D	D.P.	D.P.	D.P.	D.P.	D.P.	D.P.
32	912016114039	Sakkarai Meeran A	A.P.	A.P.	A.P.	A.P.	A.P.	A.P.
33	912016114040	Sakthivel A	A.P.	A.P.	A.P.	A.P.	A.P.	A.P.
34	912016114041	Sanjith P	P.P.	P.P.	P.P.	P.P.	P.P.	P.P.
35	912016114044	Subash Pandian V	V.P.	V.P.	V.P.	V.P.	V.P.	V.P.
36	912016114045	Vazhiniraiselvan M	M.P.	M.P.	M.P.	M.P.	M.P.	M.P.
37	912016114046	Venkatesh A	A.P.	A.P.	A.P.	A.P.	A.P.	A.P.
38	912016114047	Vignesh M	M.P.	M.P.	M.P.	M.P.	M.P.	M.P.
39	912016114049	Vignesh Pandiyan S	S.P.	S.P.	S.P.	S.P.	S.P.	S.P.
40	912016114050	Vignesh R	R.P.	R.P.	R.P.	R.P.	R.P.	R.P.
41	912016114051	Vigneshwaran J	J.P.	J.P.	J.P.	J.P.	J.P.	J.P.
42	912016114052	Vigneshwaran S (28.00.1000)	S.P.	S.P.	S.P.	S.P.	S.P.	S.P.
43	912016114053	Vigneshwaran S (17.10.1000)	S.P.	S.P.	S.P.	S.P.	S.P.	S.P.
44	912016114054	Vijayakumar A	A.P.	A.P.	A.P.	A.P.	A.P.	A.P.
45	912016114055	Vijay M	M.P.	M.P.	M.P.	M.P.	M.P.	M.P.
46	912016114057	Yoganraja T	T.P.	T.P.	T.P.	T.P.	T.P.	T.P.
47	912016114301	Tamilselvan G	G.P.	G.P.	G.P.	G.P.	G.P.	G.P.
48	912016114702	Abulkalam	A.P.	A.P.	A.P.	A.P.	A.P.	A.P.
49	912016114302	Vignesh V	V.P.	V.P.	V.P.	V.P.	V.P.	V.P.
50	912016114901	Rahul H	H.P.	H.P.	H.P.	H.P.	H.P.	H.P.
51	912016114902	Rishikesh C	C.P.	C.P.	C.P.	C.P.	C.P.	C.P.
52	912016114904	Lingaraj M	M.P.	M.P.	M.P.	M.P.	M.P.	M.P.

Tea Break FN- 11:00 am to 11:15am & AN-03:00 pm to 03:15 pm
Lunch Break 12:15 pm to 01:00pm

Course coordinator

M. Pradeep
HOD/MECH

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Academic Year : 2018-2019

Course Code : VACME1819AIM

Course Name : Advances in Metrology

Duration of hours : 35

Period of Course : 17-04-19 to 22-04-19

Sl. No	Register Number	Student Name	Date: 21-04-2019					
			09.00 am - 10.00 am	10.00 am - 11.00 am	11.15 am - 12.15pm	01.00 pm - 02.00 pm	02.00 pm - 03.00 pm	03.15 pm - 04.15 pm
1	912016114001	Aadhi Raja M	M.A.Ath	M.A.Ath	M.A.Ath	M.A.Ath	M.A.Ath	M.A.Ath
2	912016114005	Arunkumar M	M.A.Ath	M.A.Ath	M.A.Ath	M.A.Ath	M.A.Ath	M.A.Ath
3	912016114006	Azhagupandi C	C.A.Ath	C.A.Ath	C.A.Ath	C.A.Ath	C.A.Ath	C.A.Ath
4	912016114008	Bala Murugan K	K.A.Ath	K.A.Ath	K.A.Ath	K.A.Ath	K.A.Ath	K.A.Ath
5	912016114009	Bharathikannan G	G.A.Ath	G.A.Ath	G.A.Ath	G.A.Ath	G.A.Ath	G.A.Ath
6	912016114010	Bhupathi K	K.A.Ath	K.A.Ath	K.A.Ath	K.A.Ath	K.A.Ath	K.A.Ath
7	912016114011	Dhinesh J	J.A.Ath	J.A.Ath	J.A.Ath	J.A.Ath	J.A.Ath	J.A.Ath
8	912016114012	Dhinesh R	R.A.Ath	R.A.Ath	R.A.Ath	R.A.Ath	R.A.Ath	R.A.Ath
9	912016114013	Dinesh Kumar S P	P.A.Ath	P.A.Ath	P.A.Ath	P.A.Ath	P.A.Ath	P.A.Ath
10	912016114014	Ganesan M	M.A.Ath	M.A.Ath	M.A.Ath	M.A.Ath	M.A.Ath	M.A.Ath
11	912016114016	Jegatheesh Kumar M	M.A.Ath	M.A.Ath	M.A.Ath	M.A.Ath	M.A.Ath	M.A.Ath
12	912016114018	Karthikeyan Ktk	K.A.Ath	K.A.Ath	K.A.Ath	K.A.Ath	K.A.Ath	K.A.Ath
13	912016114019	Karthik Raja K	K.A.Ath	K.A.Ath	K.A.Ath	K.A.Ath	K.A.Ath	K.A.Ath
14	912016114020	Kirubasankar A	A.A.Ath	A.A.Ath	A.A.Ath	A.A.Ath	A.A.Ath	A.A.Ath
15	912016114021	Maharajan M	M.A.Ath	M.A.Ath	M.A.Ath	M.A.Ath	M.A.Ath	M.A.Ath
16	912016114022	Mahendra Prasath J	J.A.Ath	J.A.Ath	J.A.Ath	J.A.Ath	J.A.Ath	J.A.Ath
17	912016114023	Manikandan P	P.A.Ath	P.A.Ath	P.A.Ath	P.A.Ath	P.A.Ath	P.A.Ath
18	912016114024	Manojbabu U	U.A.Ath	U.A.Ath	U.A.Ath	U.A.Ath	U.A.Ath	U.A.Ath
19	912016114025	Mariyappan P	P.A.Ath	P.A.Ath	P.A.Ath	P.A.Ath	P.A.Ath	P.A.Ath
20	912016114026	Mathan A	A.A.Ath	A.A.Ath	A.A.Ath	A.A.Ath	A.A.Ath	A.A.Ath
21	912016114027	Muthu Krishnan S	S.A.Ath	S.A.Ath	S.A.Ath	S.A.Ath	S.A.Ath	S.A.Ath
22	912016114028	Muthuraja S	S.A.Ath	S.A.Ath	S.A.Ath	S.A.Ath	S.A.Ath	S.A.Ath
23	912016114029	Pandimurugan V	V.A.Ath	V.A.Ath	V.A.Ath	V.A.Ath	V.A.Ath	V.A.Ath
24	912016114030	Pavith Pandiyan P	P.A.Ath	P.A.Ath	P.A.Ath	P.A.Ath	P.A.Ath	P.A.Ath
25	912016114031	Ponshankar P	P.A.Ath	P.A.Ath	P.A.Ath	P.A.Ath	P.A.Ath	P.A.Ath
26	912016114032	Prabu N	N.A.Ath	N.A.Ath	N.A.Ath	N.A.Ath	N.A.Ath	N.A.Ath

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27	912016114033	Raghul Prasanna M	R.P.	R.P.	R.P.	R.P.	R.P.	R.P.
28	912016114034	Rajesh M	M.P.	M.P.	M.P.	M.P.	M.P.	M.P.
29	912016114036	Rasathi S	S.R.	S.R.	S.R.	S.R.	S.R.	S.R.
30	912016114037	Riyaz I	I.R.	I.R.	I.R.	I.R.	I.R.	I.R.
31	912016114038	Sabapathi D	D.S.	D.S.	D.S.	D.S.	D.S.	D.S.
32	912016114039	Sakkarai Meeran A	A.M.	A.M.	A.M.	A.M.	A.M.	A.M.
33	912016114040	Sakthivel A	A.S.	A.S.	A.S.	A.S.	A.S.	A.S.
34	912016114041	Sanjith P	P.S.	P.S.	P.S.	P.S.	P.S.	P.S.
35	912016114044	Subash Pandian V	V.S.	V.S.	V.S.	V.S.	V.S.	V.S.
36	912016114045	Vazhiniraiselvan M	M.V.	M.V.	M.V.	M.V.	M.V.	M.V.
37	912016114046	Venkatesh A	A.V.	A.V.	A.V.	A.V.	A.V.	A.V.
38	912016114047	Vignesh M	M.V.	M.V.	M.V.	M.V.	M.V.	M.V.
39	912016114049	Vignesh Pandiyan S	S.V.	S.V.	S.V.	S.V.	S.V.	S.V.
40	912016114050	Vignesh R	R.V.	R.V.	R.V.	R.V.	R.V.	R.V.
41	912016114051	Vigneshwaran J	J.V.	J.V.	J.V.	J.V.	J.V.	J.V.
42	912016114052	Vigneshwaran S (29.06.1002)	S.V.	S.V.	S.V.	S.V.	S.V.	S.V.
43	912016114053	Vigneshwaran S (17.10.1002)	S.V.	S.V.	S.V.	S.V.	S.V.	S.V.
44	912016114054	Vijayakumar A	A.V.	A.V.	A.V.	A.V.	A.V.	A.V.
45	912016114055	Vijay M	M.V.	M.V.	M.V.	M.V.	M.V.	M.V.
46	912016114057	Yoganraja T	T.V.	T.V.	T.V.	T.V.	T.V.	T.V.
47	912016114301	Tamilselvan G	G.V.	G.V.	G.V.	G.V.	G.V.	G.V.
48	912016114702	Abulkalam	A.V.	A.V.	A.V.	A.V.	A.V.	A.V.
49	912016114302	Vignesh V	V.V.	V.V.	V.V.	V.V.	V.V.	V.V.
50	912016114901	Rahul H	H.R.	H.R.	H.R.	H.R.	H.R.	H.R.
51	912016114902	Rishikesh C	C.R.	C.R.	C.R.	C.R.	C.R.	C.R.
52	912016114904	Lingaraj M	M.R.	M.R.	M.R.	M.R.	M.R.	M.R.

Tea Break FN- 11:00 am to 11:15am & AN-03:00 pm to 03:15 pm
Lunch Break 12:15 pm to 01:00pm

Course coordinator

M. Pradeep
HOD/MECH

PRINCIPAL

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Student Attendance Sheet

Academic Year : 2018-2019

Course Code : VACME1819AIM

Course Name : Advances in Metrology

Duration of hours : 35

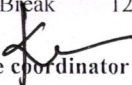
Period of Course : 17-04-19 to 22-04-19

Sl. No	Register Number	Student Name	Date: 22-04-2019					
			09.00 am - 10.00 am	10.00 am - 11.00 am	11.15 am - 12.15pm	01.00 pm - 02.00 pm	02.00 pm - 03.00 pm	03.15 pm - 04.15 pm
1	912016114001	Aadhi Raja M	M. Athu	M. Athu	M. Athu	M. Athu	M. Athu	M. Athu
2	912016114005	Arunkumar M	M. Arun	M. Arun	M. Arun	M. Arun	M. Arun	M. Arun
3	912016114006	Azhagupandi C	C. Azha	C. Azha	C. Azha	C. Azha	C. Azha	C. Azha
4	912016114008	Bala Murugan K	K. Balu	K. Balu	K. Balu	K. Balu	K. Balu	K. Balu
5	912016114009	Bharathikannan G	G. Baha	G. Baha	G. Baha	G. Baha	G. Baha	G. Baha
6	912016114010	Bhupathi K	K. Bha	K. Bha	K. Bha	K. Bha	K. Bha	K. Bha
7	912016114011	Dhinesh J	J. Dha	J. Dha	J. Dha	J. Dha	J. Dha	J. Dha
8	912016114012	Dhinesh R	R. Dha	R. Dha	R. Dha	R. Dha	R. Dha	R. Dha
9	912016114013	Dinesh Kumar S P	S.P. Dha	S.P. Dha	S.P. Dha	S.P. Dha	S.P. Dha	S.P. Dha
10	912016114014	Ganesan M	M. Gana	M. Gana	M. Gana	M. Gana	M. Gana	M. Gana
11	912016114016	Jegatheesh Kumar M	M. Jega	M. Jega	M. Jega	M. Jega	M. Jega	M. Jega
12	912016114018	Karthikeyan Ktk	K. Karthi	K. Karthi	K. Karthi	K. Karthi	K. Karthi	K. Karthi
13	912016114019	Karthik Raja K	K. Karthi	K. Karthi	K. Karthi	K. Karthi	K. Karthi	K. Karthi
14	912016114020	Kirubasankar A	A. Kiru	A. Kiru	A. Kiru	A. Kiru	A. Kiru	A. Kiru
15	912016114021	Maharajan M	M. Maha	M. Maha	M. Maha	M. Maha	M. Maha	M. Maha
16	912016114022	Mahendra Prasath J	J. Maha	J. Maha	J. Maha	J. Maha	J. Maha	J. Maha
17	912016114023	Manikandan P	P. Mani	P. Mani	P. Mani	P. Mani	P. Mani	P. Mani
18	912016114024	Manojbabu U	U. Manoj	U. Manoj	U. Manoj	U. Manoj	U. Manoj	U. Manoj
19	912016114025	Mariyappan P	P. Mariya	P. Mariya	P. Mariya	P. Mariya	P. Mariya	P. Mariya
20	912016114026	Mathan A	A. Matha	A. Matha	A. Matha	A. Matha	A. Matha	A. Matha
21	912016114027	Muthu Krishnan S	S. Muthu	S. Muthu	S. Muthu	S. Muthu	S. Muthu	S. Muthu
22	912016114028	Muthuraja S	S. Muthu	S. Muthu	S. Muthu	S. Muthu	S. Muthu	S. Muthu
23	912016114029	Pandimurugan V	V. Pandi	V. Pandi	V. Pandi	V. Pandi	V. Pandi	V. Pandi
24	912016114030	Pavith Pandiyan P	P. Pavi	P. Pavi	P. Pavi	P. Pavi	P. Pavi	P. Pavi
25	912016114031	Ponshankar P	P. Pona	P. Pona	P. Pona	P. Pona	P. Pona	P. Pona
26	912016114032	Prabu N	N. Prabu	N. Prabu	N. Prabu	N. Prabu	N. Prabu	N. Prabu

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27	912016114033	Raghul Prasanna M	R.P	R.P	R.P	R.P	R.P	R.P
28	912016114034	Rajesh M	M.Raj	M.Raj	M.Raj	M.Raj	M.Raj	M.Raj
29	912016114036	Rasathi S	S.R	S.R	S.R	S.R	S.R	S.R
30	912016114037	Riyaz I	I.Riyaz	I.Riyaz	I.Riyaz	I.Riyaz	I.Riyaz	I.Riyaz
31	912016114038	Sabapathi D	D.S	D.S	D.S	D.S	D.S	D.S
32	912016114039	Sakkarai Meeran A	A.M	A.M	A.M	A.M	A.M	A.M
33	912016114040	Sakthivel A	A.S	A.S	A.S	A.S	A.S	A.S
34	912016114041	Sanjith P	P.S	P.S	P.S	P.S	P.S	P.S
35	912016114044	Subash Pandian V	V.S	V.S	V.S	V.S	V.S	V.S
36	912016114045	Vazhiniraiselvan M	M.V	M.V	M.V	M.V	M.V	M.V
37	912016114046	Venkatesh A	A.V	A.V	A.V	A.V	A.V	A.V
38	912016114047	Vignesh M	M.V	M.V	M.V	M.V	M.V	M.V
39	912016114049	Vignesh Pandiyan S	S.V	S.V	S.V	S.V	S.V	S.V
40	912016114050	Vignesh R	R.V	R.V	R.V	R.V	R.V	R.V
41	912016114051	Vigneshwaran J	J.V	J.V	J.V	J.V	J.V	J.V
42	912016114052	Vigneshwaran S (28.00.1000)	S.V	S.V	S.V	S.V	S.V	S.V
43	912016114053	Vigneshwaran S (17.10.1000)	S.V	S.V	S.V	S.V	S.V	S.V
44	912016114054	Vijayakumar A	A.V	A.V	A.V	A.V	A.V	A.V
45	912016114055	Vijay M	M.V	M.V	M.V	M.V	M.V	M.V
46	912016114057	Yoganaraja T	T.Y	T.Y	T.Y	T.Y	T.Y	T.Y
47	912016114301	Tamilselvan G	G.T	G.T	G.T	G.T	G.T	G.T
48	912016114702	Abulkalam	A.B	A.B	A.B	A.B	A.B	A.B
49	912016114302	Vignesh V	V.V	V.V	V.V	V.V	V.V	V.V
50	912016114901	Rahul H	H.R	H.R	H.R	H.R	H.R	H.R
51	912016114902	Rishikesh C	C.R	C.R	C.R	C.R	C.R	C.R
52	912016114904	Lingaraj M	M.L	M.L	M.L	M.L	M.L	M.L

Tea Break FN- 11:00 am to 11:15am & AN-03:00 pm to 03:15 pm
Lunch Break 12:15 pm to 01:00pm

Course coordinator 


HOD/MECH


PRINCIPAL

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Enrollment
Student Name
List

Department of Mechanical Engineering

Student Registration Sheet

Academic Year : 2018-2019

Course Code : VACME1819AIM

Course Name : Advances in Metrology

Duration of hours : 35

Period of Course : 17.04.2019 to 22.04.2019

Sl. No	Register Number	Student Name	Signature
1	912016114001	Aadhi Raja M	M. Aadhi
2	912016114005	Arunkumar M	M. Arunkumar
3	912016114006	Azhagupandi C	C. Azhagupandi
4	912016114008	Bala Murugan K	K. Bala Murugan
5	912016114009	Bharathikannan G	G. Bharathikannan
6	912016114010	Bhupathi K	K. Bhupathi
7	912016114011	Dhinesh J	J. Dhinesh
8	912016114012	Dhinesh R	R. Dhinesh
9	912016114013	Dinesh Kumar S P	S. P. Dinesh Kumar
10	912016114014	Ganesan M	M. Ganesan
11	912016114016	Jegatheesh Kumar M	M. Jegatheesh Kumar
12	912016114018	Karthikeyan Ktk	Ktk. Karthikeyan
13	912016114019	Karthik Raja K	K. Karthik Raja

14	912016114020	Kirubasankar A	A. Kirubasankar
15	912016114021	Maharajan M	M. Maharajan
16	912016114022	Mahendra Prasath J	J. Mahendra Prasath
17	912016114023	Manikandan P	P. Manikandan
18	912016114024	Manojbabu U	U. Manojbabu
19	912016114025	Mariyappan P	P. Mariyappan
20	912016114026	Mathan A	A. Mathan
21	912016114027	Muthu Krishnan S	S. Muthu Krishnan
22	912016114028	Muthuraja S	S. Muthuraja
23	912016114029	Pandimurugan V	V. Pandimurugan
24	912016114030	Pavith Pandiyan P	P. Pavith Pandiyan
25	912016114031	Ponshankar P	P. Ponshankar
26	912016114032	Prabu N	N. Prabu
27	912016114033	Raghul Prasanna M	M. Raghul Prasanna
28	912016114034	Rajesh M	M. Rajesh
29	912016114036	Rasathi S	S. Rasathi
30	912016114037	Riyaz I	I. Riyaz
31	912016114038	Sabapathi D	D. Sabapathi
32	912016114039	Sakkarai Meeran A	A. Sakkarai Meeran
33	912016114040	Sakthivel A	A. Sakthivel
34	912016114041	Sanjith P	P. Sanjith

35	912016114044	Subash Pandian V	V. Subash
36	912016114045	Vazhiniraiselvan M	M. Vazhiniraiselvan
37	912016114046	Venkatesh A	A. Venkatesh
38	912016114047	Vignesh M	M. Vignesh
39	912016114049	Vignesh Pandiyan S	S. Vignesh Pandiyan
40	912016114050	Vignesh R	R. Vignesh
41	912016114051	Vigneshwaran J	J. Vigneshwaran
42	912016114052	Vigneshwaran S (28-09-1998)	S. Vigneshwaran
43	912016114053	Vigneshwaran S (17-10-1998)	S. Vigneshwaran
44	912016114054	Vijayakumar A	A. Vijayakumar
45	912016114055	Vijay M	M. Vijay
46	912016114057	Yoganaraja T	T. Yoganaraja
47	912016114301	Tamilselvan G	G. Tamilselvan
48	912016114702	Abulkalam	Abulkalam
49	912016114302	Vignesh V	V. Vignesh
50	912016114901	Rahul H	H. Rahul
51	912016114902	Rishikesh C	C. Rishikesh
52	912016114904	Lingaraj M	M. Lingaraj



 Course coordinator 

HOD/MECH



PRINCIPAL

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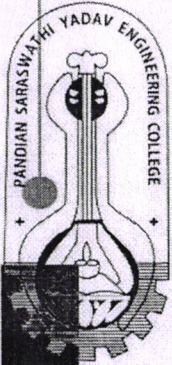
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MODEL
CERTIFICATES



PANDIAN SARASWATHI YADAV ENGINEERING COLLEGE

Approved by AICTE & Affiliated to Anna University, Chennai.

Arasanoor, Thirumansolai Post, Sivagangai – Madurai Highway, Tamilnadu – 630 561

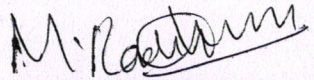
Value added course on Advances in Metrology

Organized by


DEPARTMENT OF MECHANICAL ENGINEERING

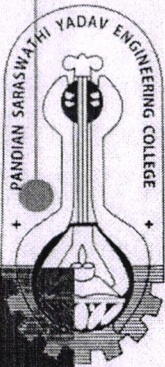
CERTIFICATE

This is to Certify that Mr/Ms..... M. Ganesan of III / VI Sem / MECH.
has actively participated in the value-added course on **Advances in Metrology**
organized by the Department of Mechanical Engineering From 17.04.2019 to
22.04.2019 (35 Hours) at Pandian Saraswathi Yadav Engineering College, Sivagangai.


Mr. M. Radhakrishnan
HOD/MECH

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Dr. R. Raja
Principal



PANDIAN SARASWATHI YADAV ENGINEERING COLLEGE

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Value added course on Advances in Metrology

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DEPARTMENT OF MECHANICAL ENGINEERING

CERTIFICATE

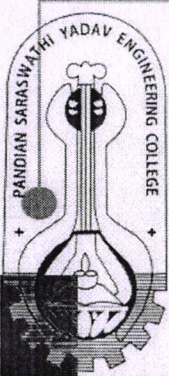
This is to Certify that Mr/Ms.....R. Dhinesh..... of III/VI Sem/MECH
has actively participated in the value-added course on **Advances in Metrology**
organized by the Department of Mechanical Engineering From 17.04.2019 to
22.04.2019 (35 Hours) at Pandian Saraswathi Yadav Engineering College, Sivagangai.

Mr. M. Radhakrishnan
HOD/MECH

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Dr. R. Raja
Principal



PANDIAN SARASWATHI YADAV ENGINEERING COLLEGE

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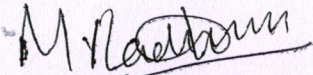
Value added course on Advances in Metrology

Organized by


DEPARTMENT OF MECHANICAL ENGINEERING

CERTIFICATE

This is to Certify that Mr/Ms.....*J. Dhenuh*..... of *III / VI Sem / MECH*
has actively participated in the value-added course on **Advances in Metrology**
organized by the Department of Mechanical Engineering From 17.04.2019 to
22.04.2019 (35 Hours) at Pandian Saraswathi Yadav Engineering College, Sivagangai.


Mr. M. Radhakrishnan
HOD/MECH

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R RAJA
Date: 2024.06.26
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Dr. R. Raja
Principal