

Gujarat Technological University, Ahmedabad
Shantilal Shah Engineering College, Bhavnagar
Sem. 4th Production Engineering

Subject: Metrology and Measurement(2142503) : Individual Presentation in place of PAT Exam
A.Y.:- 2018-19

Presentation Schedule

Batch	Date and Day of Presentation	Time of Presentation
Batch A1	26.02.2019 (Tuesday)	3:30 pm to 5:30 pm
Batch A2	05.03.2019 (Tuesday)	3:30 pm to 5:30 pm
Batch A3	12.03.2019 (Tuesday)	3:30 pm to 5:30 pm

Venue: Main Building, Room No. 215

Important Instructions:-

- (1) All students of Sem.4th Production Engineering MUST be present during the above mentioned date and time.
- (2) Each Presentation topic is compulsory for each student.
- (3) Maximum time of presentation is 10 minute (main contain) + 5 minute (practical video) & question answers minutes.
- (4) Presentation must contain with the list of questions asked in GTU examination, their related answers included in the slides.
- (5) It is required to show the video of your topic at the end of presentation, if possible.
- (6) Once any student fail to presentation/ absent have to give the valid reason with proof otherwise considered him/ her as absent.
- (7) After successfully completion of presentation student must submit CD to faculty.

Metrology and Measurement(2142503) :- List of Individual Presentation			
ROLL NO.	ENROLMENT NO.	NAME OF STUDENTS	TOPIC OF PRESENTATION
5001	150430125087	PATEL VIKESHKUMAR GANPATBHAI	Generalized Measurement system
5002	170430125001	BELADIYA KRUNAL	Static & dynamic characteristics of instruments
5003	170430125002	BERA KASHYAP	Types of measurement system classification with examples
5004	170430125003	BHALALA SIDDHARTH KUMAR	Types of Error in Measurement with examples
5005	170430125004	CHAUHAN MAHENDRA	Measurement of Force: load cells, cantilever beams, proving rings, differential transformers
5006	170430125005	DABHI SANJAYKUMAR	Measurement of Torque: Torsion bar dynamometer,

			servo controlled dynamometer, absorption dynamometers
5007	170430125006	DHAKECHA YASHKUMAR	Measurement of strain: Mechanical strain gauges, electrical strain gauges, strain gauge: materials, gauge factors, theory of strain gauges and method of measurement, bridge arrangement, temperature compensation.
5008	170430125007	GOHIL PRAVINSINH	Linear variable differential transducers, Electro Magnetic Transducers
5009	170430125009	GONDALIYA RENISH	Mechanical, Electrical and Photoelectric Tachometers, Piezoelectric Accelerometer, Seismic Accelerometer,
5010	170430125010	GONDALIYA VISHAL	Temperature Measuring Devices: Thermocouples, Resistance Temperature Detectors, Thermistor, Liquid in glass Thermometers, Pressure Thermometers, Pyrometer
5011	170430125011	GORASIYA RAHUL	Bimetallic strip. Calibration of temperature measuring devices, Numerical Examples on Flow Measurement.
5012	170430125012	GUNA VARUN BHARATBHAI	Need for Inspection, Objective of Inspection, Accuracy and Precision
5013	170430125013	JADAV JAYESHBHAI	Calipers: Vernier Calipers, Vernier Height Gauge, Vernier Depth Gauge
5014	170430125015	JETANI MITUL DINESHBHAI	Micrometer: Simple Micrometer, Screw Thread Micrometer, Depth Micrometer
5015	170430125018	KANANI DHAVAL	Bore Gauge, Telescopic Gauge, Slip Gauge
5016	170430125020	KATHESHIYA DARSHANKUMAR	Dial Indicator, Construction, Working Principle and It's Application
5017	170430125021	KAVA VISHALBHAI	Angular Measuring Instrument: Bewel Protractor
5018	170430125025	MANDANKA MITUL	Angular Measuring Instrument: Sine Bar
5019	170430125027	MORADIYA HARDIKKUMAR	Types of Gear & It's Elements with their application video
5020	170430125028	NAKRANI HARMISHABEN	Tool Maker's Microscope
5021	170430125029	NAVADIYA VIVEKKUMAR	Alignment of gears
5022	170430125030	PADAYA KALPESH VINODBHAI	Measurement of tooth thickness: Gear tooth Vernier
5023	170430125031	PADHIYAR PRATIK NAVINBHAI	Types of Screw Threads & It's Elements
5024	170430125032	PARMAR JAYKUMAR	Thread caliper gauges.

5025	170430125033	PARMAR VISHAL NANABHAI	Measurement of Effective Diameter by One Wire Method
5026	170430125035	PUROHIT ROHIT	Measurement of Effective Diameter by Two Wire Method
5027	170430125037	RATHOD RUPESH	Measurement of Effective Diameter by Three Wire Method
5028	170430125038	RAYAJADA KRIPALSINH	Surface Metrology Concepts and terminology, Analysis of surface traces, Specification of surface Texture characteristics
5029	170430125040	SAKARIYA JASMIN	Profilometer
5030	170430125042	SARVAIYA AAKASH	Taylor Hobson Talysurf
5031	170430125044	SAVANI FENIL DHANJIBHAI	Tomlinson Surface Recorder
5032	170430125046	SHIROYA ASHISH	Temperature Measuring Device: Pyrometer
5033	170430125047	SHUKLA MAHARSHI	Mechanical Comparators
5034	170430125048	SOLANKI JIGAR I	Electrical Comparators
5035	170430125049	SOLANKI SIDDHARTH	Pneumatic Comparators
5036	170430125050	SONDAGAR BHARGAVKUMAR	Coordinate measuring machines: Structure, Modes of Operation, Probe, Operation and applications
5037	170430125051	SURANI PARESHBHAI	Profile Projector
5038	170430125052	TILAVA BRIJESHKUMAR	Optical Square
5039	170430125053	TRIPATHI ABHILASH	Basics of Optical Interference and Interferometry
5040	170430125054	VAGHASIYA JAYDIP	Generalized Measurement system
5041	180433125002	CHUDASAMA RAJVEERSINH BHARATSINH	Static & dynamic characteristics of instruments
5042	180433125003	JANI SANKETKUMAR GOPALBHAI	Mechanical Comparators
5043	180433125004	KAVA BHARGAV HIMMATBHAI	Electrical Comparators
5044	180433125006	RAJYAGURU MILAN GAJENDRABHAI	Pneumatic Comparators
5045	180433125007	RATHOD BHAVINKUMAR DILIPKUMAR	Coordinate measuring machines: Structure, Modes of Operation, Probe, Operation and applications

Faculties

Prof. N P Nirmal

Prof. P H Solanki

Head of Department

Prof. Dr. A. V. Gohil