

JK Lakshmipat University, Jaipur

Note

Date: 31.05.2017

Subject: Submission of Lab Audit Report of Academic Session 2016-17

Respected Sir,

As per the Office Order No. JKL/05-2017, Dated May 15, 2017, please find the attached Lab Audit and Lab Safety Audit Report of Academic Session 2016-17.

Thanking You.

With Regards



(Dr. Sonal Jain)
Associate Professor



JK Lakshmipat University, Jaipur

Report of Lab Audit 2016-17

Date: May 31, 2017

The Internal Lab Audit was conducted from 23rd to 29th May, 2017 at JK Lakshmipat University by committee member as formed by the Competent Authority.

A meeting of Lab Audit team was scheduled on May 22, 2017 to set the procedures to pursue the audit. Committee on Lab Audit constituted as below to conduct internal lab audit.

- Dr. Sonal Jain (Associate Professor), Chairperson
- Mr. Yogesh Rohilla (Assistant Professor), Member

Physical Verification Report:

Lab No.	Lab Name	Observation
011	Physics Lab	All equipment are in working condition except two items which were found damage in the lab - 1 unit of Table lamp and 1 unit of galvanometer.
007	Chemistry Lab	All equipment are in working condition except 3 were found damage and the stop watches are not working
011	Mass Transfer Lab	All the equipment are in working condition except a Glass of condenser is damaged in vapor liquid equilibrium setup.
006	Mechanical Operations Lab	All the equipment are in working condition and one measuring cylinder of 1000ml & one measuring jug of 1000 ml is missing.
106	Heat Transfer Lab	All the equipment are in working condition.
107	Process Dynamics and Control Lab	All the equipment are in working condition.
101	Chemical Reaction Lab	All the equipment is in working condition. One pipette of 10 ml and one conical flask of 100 ml is broken.
003	Concrete Technology Lab	Three equipment were found broken & one found damage.
002	Geotechnical Engineering Lab	Two equipment are not in working condition. Two equipment were found broken and other two were damaged.
001	Fluid Mechanics Lab	All equipment are in good working condition.

110	Environmental Engineering Lab	All equipment are in good working condition.
109	Surveying Lab	From 18 sets of 'Arrows', 1.5 set were missing. From 6 'Prism Square', 4 were damaged.
109	Transportation Engineering Lab	Needle of 'AIM-531 Standard Tar Viscometer, Electrical Heating' was broken rest are in working condition.
003	Engineering Geology Lab	Out of 45 'Hand Specimen of Rocks, Size 3" Approx. Laminated & Printed Label', 1 was not present in the lab at the time of audit.
002	Linux Lab	One monitor was not functioning properly.
001	Compiler Lab	All computers are in working condition.
105	Networking Lab	All computers are in working condition.
105	Language Lab	All computers are in working condition.
	Simulation Lab	All computers are in working condition.
112	Industrial Electronics Lab	All equipment are in working condition. They arranged all the equipment systematically.
113	Renewable Energy System Lab	All equipment are in working condition. They arranged all the equipment systematically.
112	Network Analysis and Synthesis Lab	All equipment are in working condition.
113	Power System Switchgear & Protection Lab	All equipment are in working condition. All equipment are in use.
113	Linear Control System Lab	All equipment are in working condition.
010	Electrical and Electronics Lab	All equipment are in working condition. They arranged all the equipment systematically.
111	Analog Electronics Lab	There were total 11 equipment in this lab. All equipment's were in good working condition.
108	EMI Lab	There were total 14 apparatus in this lab. All equipment were in good working condition.
113	LIC Lab	There were total 7 apparatus in this lab. All equipment were in good working condition.
113	EDC Lab	Function generator (06 in numbers) not in working condition and cannot be repaired.
102	VLSI and Embedded System Lab	All equipment were in good working condition.
108	Analog Communication Lab	All equipment were in good working condition.
108	DE Lab	Two equipment are not in working condition.

108	Digital Communication Lab	Three equipment are not in working condition and need repairing.
111	Microwave Lab	All equipment were in good working condition.
111	Microprocessor Lab	There were total 22 equipment in this lab. All equipment were in good working condition.
111	Antenna and Wave Propagation Lab	There were total 05 apparatus in this lab. All equipment were in good working condition.
006	RAC (Refrigeration & Air-conditioning) Lab	All equipment are in working condition, and all are arranged very systematic in the lab.
005	Strength of Material Lab	All equipment are in working condition, and all are arranged very systematic in the lab.
005	Theory of Machine Lab	All equipment are in working condition.
008	Automobile Lab	All equipment are in working condition, and all are arranged very systematic in the lab.
008	IC Engine and Thermal Engg. Lab	All equipment are in working condition, and all are arranged very systematic in the lab.
009	Machine Tool Lab	All equipment are in working condition.
010	CNC (CAD & CAM) Lab	All equipment are in working condition, and all are arranged very systematic in the lab.
012	Hydraulic Machine Lab	All equipment are in working condition, and all are arranged very systematic in the lab.
002	Workshop	All equipment are in working condition, and all are arranged very systematic in the lab.

Note: The Stock register was also verified by the team with the equipment available in all the lab.

Recommendations:

1. Lab staff should manage the equipment in proper operating condition.
2. Department should conduct an analysis on the feasibility of establishing a minimum sustainable capital budget for repair and maintaining the laboratory equipment.
3. All the lab equipment should be displayed.



