



RISK ASSESSMENT TOOL (RAT)

ENERGY AND ELECTRICAL CIRCUITS WORKSHOP

POTENTIAL RISK/HAZARD	RANKING LEVEL	RISK CONTROL MEASURES – ACTION TAKEN TO REDUCE RISK
SCRATCHES / BURNS FROM ELECTRIC COMPONENTS	LOW	CLEAR INSTRUCTIONS ADEQUATE STAFF SUPERVISION APPROPRIATE / MAINTAINED EQUIPMENT USED
ELECTRIC SHOCK FROM ELECTRICAL COMPONENTS	LOW	LOW VOLTAGE POWER SUPPLIES USED (AA BATTERIES) BASIC, SAFE COMPONENTS USED
FLYING FAN BLADE MAKES CONTACT WITH STUDENT'S FACE / BODY	LOW	CLEAR INSTRUCTIONS PROVIDED ADEQUATE SUPERVISION PROVIDED SAFETY GLASSES PROVIDED
SLIP AND FALL MOVING BETWEEN WORKSTATIONS	LOW	ADEQUATE SUPERVISION PROVIDED CLEAR INSTRUCTIONS TO WALK CLEAN WORKSPACE PROVIDED
BURNS FROM LIQUID NITROGEN DEMONSTRATION	LOW	DEMO PERFORMED BY TRAINED PRESENTER WITH PPE, BUFFER BETWEEN DEMO AND STUDENTS, APPROPRIATE EQUIPMENT USED

FULL INSTRUCTIONS AND SAFETY TALK GIVEN AT BEGINNING OF PERFORMANCE BY TRAINED PRESENTER

Ranking Levels: Low, Medium, High, Extreme.

This is an indication of the level of potential risk / hazard / harm should it occur, once control measures are in place.