Subject Topic	**EdWISE PROGRAM - OUTLINE OF C4 SIMULATION MODULE** (Cardiac Skills II, Basic Life Support and Advanced Life Support)
Framework Profile	**Programme:** EdWISE
Associated E-Learning or Webinar tutorials	• Basic Life Support (BLS) and Advanced Life Support (ALS) – eLearning tutorial • Use of a defibrillator in cardiac arrest – eLearning tutorial
Simulation learning objectives	• Recognition of cardiac arrest • BLS algorithm • ALS algorithm • Use of a Defibrillator • Drugs used in ALS
Target Group	Medical and Nursing Students
Delivery method	PowerPoint presentation followed by inter-professional simulation scenario. Facilitated debriefing given at the end of the scenario.
Timeframe	60 mins

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Resources for session	Projector screen & computer EDWISE Video conference unit SIMMAN mannequin and monitoring Oxygen – piped or cylinder Oxygen masks – Nasal prongs, Hudson mask and Non re-breath masks should be available, Bag Valve Mask. Intubation equipment Stethoscope x 2 ECG machine and leads Stickers for 12 lead ECG Laminated ECG showing AF and VT Defibrillator and pads specific for mannequin NIBP cuff Saturation probe Gloves and appropriate PPE Monitor to display observations White board if needed IV cannulae – 16+18G Blood test tubes and ABG syringe Pretend or actual X-Ray plate Resuscitation drugs including adrenalin, amiodarone, atropine, naloxone Crystalloid (0.9% NaCl or Hartmann's 1000ml) Giving sets Local chest pain protocols Triage Sheet available (see scenario for documentation)

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Session Structure - EdWISE PROGRAM - CARDIAC SIMULATION MODULE		
Timing	**Welcome and Introduction**	**Resource**
2.5 mins	*Welcome and Introduction* • Provide Housekeeping – Fire Exits, mobile phones on vibrate • Provide a summary of what the workshop will involve and the expectations from the participants • Introduce yourselves - facilitation team, host team and participants. Include experience of cardiac patients **If this is not the first module run on that day, the participants are the same and this has been covered previously, then this section can be missed out.**	Video conferencing unit Enough seats for the participants and arranged in a horseshoe facing the VC unit and camera. Led by the team over VC but with host team supplying information on the fire exits/toilets/etc.
Timing	**Main Topic Presentation**	
12.5 mins	PowerPoint presentation with an interactive workshop introducing and revising basic and advanced life support. • BLS • ALS • Safe use of a defibrillator in cardiac arrest • Introduction to team working/non-technical skills	

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Timing	Familiarisation to the Mannequin and Equipment	
2.5 Min	Introduce the participants to the environment and the mannequin	Local faculty to familiarise the students to the environment/ mannequin/actors. Can use the familiarisation video, to guide the local faculty, if needed.
Timing	**Simulation**	
10 Min	**Participant Briefing** Mr Robbie Williams, 68 year old retired truck driver, presents with indigestion after eating a hamburger, has been triaged category 4. He has not seen a doctor in 45 years. He has collapsed in the waiting room.	
Timing	**Debrief**	
10 Min	**Clinical –** Adherence to all parts of the BLS and ALS algorithms **Non-Technical Skills –** Any factors which helped or impeded the function of the team	
Timing	**Simulation**	
10 Min	Mike Tyson, 27 year old male, dropped off by friends not breathing. The friends have left rapidly. He needs urgent assistance	
Timing	**Debrief**	
10 Min	**Clinical –** Adherence to all parts of the BLS and ALS algorithms **Non-Technical Skills –** Any factors which helped or impeded the function of the team	
Timing	**Summary**	
2.5 Min	Review of the BLS and ALS algorithms Introduction to the safe use of a defibrillator Importance of non-technical skills when working as a team	

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