3D PRINTERS- CONDITIONS OF USE

1. Enclosed shoes MUST always be worn, and proper gloves when using 3D printer in the Laboratory.

2. **Read** 3D Printer Manual (Please kindly request from Lab engineer or proactively google brand/model of the printer).

3. **FILL UP your personal details and your print details on to the LOGSHEET** provided, failure to do so may revoke your access to the lab.

4. Initialize 3D printer prior to every print.

5. All 3D printing designs should be initially checked and approved by project supervisor to ensure geometric parameters and functionality meets the requirement.

6. **Scheduling 3D printing:** Verifying CAD Model, printer selection, availability of material, suitable print settings and post-processing. **Email to Lab In-charge for appointment.**

7. Always consider environment and do not print full infill density if strength is highly important

8. Do not leave your print job during first 15 minutes, unattended or frequently check up on your print in case of any potential failure. If so, please stop printing and follow the removal instructions.

9. Always remove build plate from the 3D printer before removing prints.

10. Be aware of **hot surfaces** while accessing the printer.

11. Printer must be used for lawful purposes ONLY.

12. Beware of sharp edges when using scrapers and post processing tools. Proper Personal protective equipment must be worn while account to use.

13. When 3D printers are running, do not gather around the printing operation to minimize the inhalation of particulates being created and exposure to chemical vapours.

14. **Keep the workplace clean** - remove any waste, support material etc. after using the equipment, and **PLACE IN THE BIN!**

15. **Turn off** the computer and the 3D printer when printing job finished.

16. All enquiries (faults, consumables etc.) and concerns regarding the printers must be directed to lab engineer email, mechlab@uowdubai.ac.ae.

STUDENTS NOT ABIDING BY THE ABOVE CONDITIONS WILL BE DENIED ACCESS TO THE LABORATORY!

School of Engineering