

Meeting Minutes

Project Title: Strengthening of the research and educational capacity on advanced technology of Assiut University (AU)

Meeting: **Rapid Prototype Lab (FabLab)** 기계과 실습기자재 인도 & 접수회의

Date: 13.30am ~ 15.30pm, Mon, 23/04/2018

Place: **Rapid Prototype Lab (FabLab)** 기계과 실험실습실

Attendees: Dr.Koo (PF/KOREATECH-AUN), Dr.Yasser Abdelrahman (Production Engineering, Lecturer), Dr. Mahmoud Heshmat (Industrial Engineering, Lecturer), Eng. Ahmad Abdelaleem (Production Engineering, Assistant Lecturer), Eng.Mohamed Atef (Production Engineering, Assistant Lecturer), Eng.Mohamed Adel (Production Engineering, Assistant Lecturer), Eng. Abdelrahman Sayed (Production Engineering, Demonstrator), PA-Ahmed Gamal (PA).

Discussion:

Full Inspection of new Rapid Prototyping Laboratory established in the Mechanical Engineering Department, the 23rd April 2018

1- New Rapid Prototyping Lab was established in the Mechanical Engineering Department. This report describes full inspection as following equipment :

- 3D printer
- CNC router, and
- CNC laser cutting machine

2- The confirmation of the result of inspection :

1) 3D printer

- Outside inspection : Pass
- Safe startup and shut down of the equipment : Pass
- Proper operation of the piece of equipment to perform all its intended functions : Pass

- Printer ability to build an object with maximum dimensions : Pass
- Training by the supplier : Pass
- Equipment operation and maintenance manuals Provided manuals : Pass

2) CNC laser cutting machine

- Outside inspection : Pass
- Safe startup and shut down of the equipment : Pass
- Proper operation of the machine to perform : Pass
- Machine ability to perform at the design limits stated in its specifications (e.g. maximum cutting speed, maximum cutting thickness) : Pass
- Training by the supplier : Pass
- Equipment operation and maintenance manuals : Provided manuals

3) CNC router

- Outside inspection : Pass
- Safe startup and shut down of the equipment : Pass
- Proper operation of the router (motion of all axes, ability to cut different depths, rotation speed) : Pass
- Router's ability to perform at the design (maximum object size, maximum speed, maximum cutting thickness) : Pass
- Training by the supplier : Pass
- Equipment operation and maintenance manuals Provided manuals : Provided manuals



Overview of Rapid Prototype Laboratory, 23rd April 2018 (Monday)



From left to right :

- Dr.Koo (PF/KOREATECH-AUN)
- Eng.Mohamed (ROBOTA company, Installation expert 02)
- Dr.Ahmed (ROBOTA company, Installation chief expert 01)
- Dr.Yasser Abdelrahman (Production Engineering, Lecturer)
- Dr. Mahmoud Heshmat (Industrial Engineering, Lecturer)



From left to right

- Dr. Mahmoud Heshmat (Industrial Engineering, Lecturer)
- Eng. Ahmad Abdelaleem (Production Engineering, Assistant Lecturer)
- Eng. Abdelrahman Sayed (Production Engineering, Demonstrator)
- Dr.Koo (PF/KOREATECH-AUN)
- Dr.Ahmed (ROBOTA company, Installation chief expert 01)
- Eng.Mohamed (ROBOTA company, Installation expert 02)
- Eng.Ibrahim Abdelnaby (Production Engineering, Demonstrator)
- Dr.Yasser Abdelrahman (Production Engineering, Lecturer)



From left to right

- Eng. Abdelrahman Sayed (Production Engineering, Demonstrator)
- Dr.Koo (PF/KOREATECH-AUN)
- Dr.Ahmed (ROBOTA company, Installation chief expert 01)
- Eng.Mohamed (ROBOTA company, Installation expert 02)
- Eng.Ibrahim Abdelnaby (Production Engineering, Demonstrator)
- Dr.Yasser Abdelrahman (Production Engineering, Lecturer)
- Eng.Mohamed Atef (Production Engineering, Assistant Lecturer)
- Eng.Mohamed Adel (Production Engineering, Assistant Lecturer)



From left to right :

- Eng. Ahmad Abdelaleem (Production Engineering, Assistant Lecturer)
- Dr.Mahmoud Heshmat (Industrial Engineering, Lecturer)
- Dr.Yasser Abdelrahman (Production Engineering, Lecturer)

- Dr.Koo (PF/KOREATECH-AUN)