**DEPARTMENT OF MECHANICAL ENGINEERING**

**UNIVERSITY OF ENGINEERING AND TECHNOLOGYTAXILA**

**Minutes of Meeting of Board of Post-Graduate Studies, held on 13.04.2021at 10:00am**

**In the conference room of Mechanical Engineering Department**

Following were present:

* 1. Prof. Dr. Riffat Asim Pasha (In Chair)
  2. Prof. Dr. Amir Sultan
  3. Prof. Dr. Muzaffar Ali
  4. Prof. Dr. Muhammad Ali Nasir (Director PGS)
  5. Dr. Ajaz Bashir Janjua (External Member)
  6. Concerned Supervisors

Meeting started with the name of Allah Al-mighty.

**Item No. 1. Post-graduate research seminar (Final Progress Report)**

Following students presented their progress report of M.Sc. Research.

1. Board recommended the final progress report of below mentioned scholar and allowed him to appear for his final viva. Panel of external examiners is also recommended.

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| **Name of Scholar & Reg.** | **Muhammad Irfan 17-MS-PT-P&G-02** |
| **Supervisor** | Dr. Waqar Ahmed Qureshi |
| **Thesis Title** | Finite Element Analysis of Wear for General Elliptical Contacts |
| **Panel for External Viva** | 1. **Dr. Mubashir,** NUST Islamabad. 2. **Dr. Rehan Jamshed,** PMO Taxila. 3. **Dr. Muhammad Umer,** IST Islamabad**.** |

1. Board did not recommend the final progress report of below mentioned scholar and suggested him to re-appear after incorporating required changes.

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| **Name of Scholar & Reg.** | **Muhammad Azhar Hussain 18-MS-FT-TSE-10** |
| **Supervisor** | Dr. Aneela Wakeel |
| **Thesis Title** | Effect of Hybrid Nano Fluid on Thermal Performance of Sintered copper wicked heat pipe. |
| **Panel for External Viva** | 1. **Dr. Muhammad Abid,** Comsats Wah Cantt. 2. **Prof. Dr. Muhammad Shahid,** CMME, NUST. 3. **Dr. Saad Nauman,** Associate Professor, IST Islamabad. |

1. Board did not recommen the final progress report of below mentioned scholar and directed him to add novelty with justification and suggested notifications and inclusion of latest references.

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| **Name of Scholar & Reg.** | **Muhammad Yousaf** |
| **Supervisor** | Dr. Muddassir Ali |
| **Thesis Title** | Design and CFD Analysis of HVAC System. |
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**Item No. 2. Topic Approvals**

Board recommended the Research Topics and Supervisor for MSc Thesis against following Scholars.

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| **Sr. No.** | **Student Name** | **Supervisor** | **Research Topics** |
| 1 | Taha Baig  19-MS-ME-TSE-09 | Dr. Shehryar Manzoor | Numerical and Experimental Investigation of Dual Flow Mini Channel Heat Sink using Nano fluids. |
| 2 | Adeel Nasir  18-MS-PT-TSE-14 | Dr. Azhar Hussain | Gasification of solid waste to yield maximum volatiles using plasma. |
| 3 | Muhammad Asif Raza  19-MS-ME-AMD-05 | Muhammad Asif Raza | Mechanical Characterization of Rotary Friction Welded Dissimilar Aluminum Alloys. |
| 4 | Muhammad Waseem  18-MS-FT-AMD-06 | Prof. Dr. Riffat Asim Pasha | Material Characterization of 3D Printed Polymeric Structures at High Strain Rate Testing using Split Hopkinson Pressure Bar. |
| 5 | Amna Perveen  19-MS-ME-AMD-28 | Dr. Azhar Hussain | Lateral Pressure Effect on Friction Stir Welding of Aluminum Alloys. |
| 6 | Muhammad Nabeel Khaliq  18-MS-FT-TSE-02 | Dr. Muddassir Ali | Fabrication of enhanced composite membranes for recovery of bioethanol from waste streams. |
| 7 | Muhammad Asif  18-MS-PT-TSE-11 | Dr. Muddassir Ali | Improved mixed matrix membranes for industrial wastewater treatment. |

The meeting ended with the vote of thanks to the chair.

***DIRECTOR PGS***

***CHAIRMAN***