**DEPARTMENT OF MECHANICAL ENGINEERING**

**UNIVERSITY OF ENGINEERING AND TECHNOLOGYTAXILA**

**Minutes of Meeting of Board of Post-Graduate Studies, held on 15.06.2021at 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. Prof. Dr. Muhammad Zubair Khan (External Member)
  6. Dr. Ajaz Bashir Janjua (External Member)
  7. Dr. Mubashir Gulzar (Invited Member)
  8. 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.** | **Ghulam Hassan Askari 18-MS-PT-AMD-11** |
| **Supervisor** | Prof. Dr. Riffat Asim Pasha |
| **Thesis Title** | Experimental and Numerical Investigation of Mechanical Behavior of Additively Manufactured Polymeric Micro Lattice Structures. |
| **Panel for External Viva** | 1. **Prof. Dr. M. Zubair Khan**, IST Islamabad. 2. **Prof. Dr. Muhammad Abid,** Head of Department, Mechanical Engineering, COMSATS Wah Cantt. 3. **Prof. Dr. Athar Masood**, Chairman DME, IIU Islamabad. |

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.** | **Muneeb Ahmed 17-MS-PT-P&G-25** |
| **Supervisor** | Dr. Syed Nasir Shah |
| **Thesis Title** | Modeling and Experimental Investigation Assessment of Natural Gas Sweetening Plant. |
| **Panel for External Viva** | 1. **Dr. Israr ud Din**, Assistant Professor, RCMS, NUST Islamabad. 2. **Prof. Dr. Muddasar Habib**, Department of Chemical Engineering, UET Peshawar. 3. **Dr. Amjad Farooq**, Associate Professor, Department of Nuclear Engineering. PIEAS, Islamabad. |

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.** | **Danyal Alam 17-MS-FT-AMD-16** |
| **Supervisor** | Prof. Dr. Nazeer Ahmed Anjum |
| **Thesis Title** | Investigation of Notched Fatigue Behavior of Aluminum Alloy 2024 processed through Equal Channel Angular Pressing (ECAP) |
|  | 1. **Prof. Dr. Mushtaq Khan**, HOD, SMME NUST Islamabad. 2. **Dr. Sayyid Masood ur Rehman Shah**, Ex-Assistant Prof. UET Taxila. 3. **Dr. Waqas Anwar**, General Manager, AWC Hassanabdal. |

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.** | **Sohaib Nazar 17-MS-PT-PE(T)05** |
| **Supervisor** | Dr. Abid Hussain |
| **Thesis Title** | Hybrid Thermal Management of Heating Element using Forced Air Convection and Nickel Foam Saturated with Phase Change Material. |
|  | 1. **Dr. Emad ud Din**, Assistant Professor NUST Islamabad. 2. **Dr. Irfan**, Assistant Professor, CUST Islamabad. 3. **Dr. Umer**, Assistant Professor, IST Islamabad. |

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 and Registration** | **Ali Ayub Danial 17-MS-PT-ENE-02** |
| **Supervisor** | Dr. Muddassir Ali |
| **Thesis Title** | Modeling of polyenergetic electron beam ablation of zinc oxide during solar cell thin film processing. |
| **Panel for External Viva** | 1. **Dr. Saleem Iqbal**, Assistant Professor, University of Wah, Wah Cantt. 2. **Dr. Muhammad Farooq**, Associate Professor, University of Engineering and Technology, Lahore. 3. **Dr. Muhammad Ammar**, Assistant Professor, Government College University, Faisalabad. |

**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 | Yasir Rafique  17-MS-PT-PE(T)-08 | Dr. Abid Hussain | Operating Strategy Development for Vibration Reduction of a Steam Turbine Shaft Bearing by ANN and SVM Approach. |
| 2 | Muhammad Saad Afzal  18-MS-PT-AMD-08 | Dr. Aneela Wakeel | Investigation of Shielded Metal Arc Welding Parameters using Taguchi-GRA and Principal Component Analysis for ASTM A 572 Grade 50. |
| 3 | Kashif Khan  18-MS-PT-AMD-05 | Dr. Waqar Ahmad Qureshi | Optical Characterization of Structural Response Under Dynamic Conditions |
| 4 | Chaudry Rohan Rafiq  18-MS-PT-AMD-09 | Dr. Waqar Ahmad Qureshi | Maneuver Load Estimation in Preliminary Design Cycle for Fighter Aircraft |

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

***DIRECTOR PGS***

***CHAIRMAN***