**DEPARTMENT OF MECHANICAL ENGINEERING**

**UNIVERSITY OF ENGINEERING AND TECHNOLOGYTAXILA**

**Minutes of Meeting of Board of Post-Graduate Studies, held on 11.07.2020at 11:00am**

**via MS Team (Online)**

Following were present:

* 1. Prof. Dr. RiffatAsim Pasha (In Chair)
  2. Prof. Dr. M. Shahid Khalil
  3. Prof. Dr. Muhammad Zubair Khan
  4. Dr. Ajaz Bashir Janjua
  5. Dr. AzharMunir
  6. Dr. Muhammad Ali Nasir
  7. Prof. Dr. Amir Sultan (Invited Member)
  8. Dr. Muzaffar Ali (Invited Member)
  9. Dr. Abid Hussain (Invited Member)
  10. Dr. Waqar Ahmed Qureshi (Invited Member)

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.** | **Bilal Ahmed 16-MS-PT-AMD-09** |
| **Supervisor** | Dr. Amir Sultan |
| **Thesis Title** | Mix Mode Stress Intensity Factors for Inclined Edge Cracks in  Die Steel. |
| **Panel for External Viva** | 1. Dr. Asif Hussain Malik (DCE, KRL)  2. Dr. Muhammad Shuaib (DCE, KRL)  3. Brig. Dr. ShafqatWahab (PMO) |

1. Board did not recommended the final progress report of below mentioned scholar and suggested to reappear again after incorporating the required changes.

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| **Name of Scholar & Reg.** | **KanwalWaqar 16-MS-PT-AMD-06** |
| **Supervisor** | Dr. Amir Sultan |
| **Thesis Title** | Effect of crack length variation on stress intensity factors in a mixed mode failure of edge cracked die steels |

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

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| **Name of Scholar & Reg.** | **Muhammad ShoaibRafiq 17-MS-PT-PE(T)-21** |
| **Supervisor** | Dr. Amir Sultan |
| **Thesis Title** | Experimental Investigation of Convective Heat Transfer using Ethylene Glycol based Nano-Fluid |

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.** | **Noor Zaman 17-MS-EnE-PT-04** |
| **Supervisor** | Dr. Azhar Hussain |
| **Thesis Title** | Development of Graphene Based SuperCcapacitor to Enhance Energy Storage. |
| **Panel for External Viva** | 1. Dr. M Ramzan Abdul Karim GIKI 2. Dr. AftabAkram (NUST) 3. Dr. Yasir Ashraf (IST) |

1. Board recommended the final progress report of below mentioned scholar and allowed him to appear for his final viva subject to the board recommendation regarding conversion of full time status of this student Arsalan Anwar (16-MS-FT-TSE-02) to part time provided that he will submit all dues, fees, remuneration back to the university as per rules. His case will be forwarded subject to payment of all dues, fees, remuneration for appointment of external examiners and final viva. . Panel of external examiners is also recommended.

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| **Name of Scholar & Reg.** | **Arsalan Anwar 16-MS-FT-TSE-02** |
| **Supervisor** | Dr. Muhammad Shehryar |
| **Thesis Title** | Numerical Investigation of Vortex Impingement Effect on a Cylinder in a Forced Convection Flow. |
| **Panel for External Viva** | 1. Prof. Dr. Nadeem A. Sheikh, IIU Islamabad. 2. Dr. Muhammad Sajid, Asst. Prof. SMME, NUST Islamabad. 3. Dr. Taqi Ahmed Cheema, Associate Prof. MED, GIKI Topi. |

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 Uzair Shah 17-MS-PT-TSE-16** |
| **Supervisor** | Prof. Dr. RiffatAsim Pasha |
| **Thesis Title** | Dynamic Performance Analysis of Automotive Cooling System using Ethylene Glycol-Water Mixture Based Nanofluids. |
| **Panel for External Viva** | 1. Prof. Dr. M. Zubair Khan, IST Islamabad. 2. Dr. M. Jawad Khan, Director NESCOM Islamabad. 3. Prof. Dr. Athar Masood, IIU Islamabad. |

1. **Topic Approval**

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 | Muneeb Ahmed  17MS-PT-P&G-25 | Dr. Syed Nasir Shah | Modeling and Experimental Assessment of Natural Gas Sweetening Plant. |
| 2 | Jahangeer Khan  17-MS-PT-P&G-07 | Dr. Rizwan Ahmed Malik | Process Formulation and Characterization Of BCZT modified BiFeO3- BaTiO3 Piezoelectric-Ceramics. |
| 3 | Abdul Hannan  17-MS-PT-TSE-22 | Dr. Shahid Mehmood | Characteristics Evaluating of Stainless Steel (SS-310) machined by EDM using Different Electrodes |
| 4 | Talal Bin Irshad  17-MS-PT-PE(T)-14 | Dr. Abid Hussain | Numerical Analysis of Thermal Management System for Li-Ion Batteries |
| 5 | Shehryar Nadeem  17MS-PT-TSE-18 | Dr. Shahid Mehmood | Investigation of the effect of the Impactor to have increased hardness |

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

***DIRECTOR PGS***

***CHAIRMAN***