**DEPARTMENT OF MECHANICAL ENGINEERING**

**UNIVERSITY OF ENGINEERING AND TECHNOLOGYTAXILA**

**Minutes of Meeting of Board of Post-Graduate Studies, held on 02.09.2020 at 10:00am**

**via MS Team (Online)**

Following were present:

* 1. Prof. Dr. RiffatAsim Pasha (In Chair)
  2. Prof. Dr. M. Shahid Khalil (DEAN FM & AE)
  3. Dr. Ajaz Bashir Janjua (External Member)
  4. Dr. Muhammad Ali Nasir (Director PGS)
  5. Prof. Dr. Amir Sultan (Invited Member)
  6. Dr. Muzaffar Ali (Invited Member)
  7. Dr. Muhammad Shehryar (Invited Member)
  8. Dr. Abid Hussain (Invited Member)
  9. Dr. Nazir Ahmed Anjum (Invited Member)
  10. Dr. Azhar Hussain (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 her to appear for her final viva. Panel of external examiners is also recommended.

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| **Name of Scholar & Reg.** | **Muhammad Shoaib Rafiq 17-MS-PT-PE(T)-21** |
| **Supervisor** | Prof. Dr. Amir Sultan |
| **Thesis Title** | Experimental Investigation of Convective Heat Transfer using Ethylene Glycol based Nano-Fluid |
| **Panel for External Viva** | 1. Prof. Dr. Khawja Sajid Bashir, Ex Professor, MED, UET Taxila. 2. Dr. Ajaz Bashir Janjua, Deputy General Manager, HMC Taxila. 3. Dr. Asif Hussain Malik, DCE, KRL, Kahutta. |

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.** | **Mian Imran 18-MS-FT-AMD-02** |
| **Supervisor** | Dr. Azhar Hussain |
| **Thesis Title** | Failure Analysis and root cause Determination of failure in air-fuel after burner pipe of Turbojet Engine. |
| **Panel for External Viva** | 1. Prof. Dr. Muhammad Zubair Khan, IST Islamabad. 2. Dr. Khalid Rehman, Associate Professor, GIKI, Topi Swabi. 3. Dr. Ehsan ul Haq, Associate Professor, UET Lahore. |

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.** | **Ali Hasan 17-MS-PT-PE(T)-01** |
| **Supervisor** | Dr. Abid Hussain |
| **Thesis Title** | Thermal Characterization of Graphene Coated Copper Faom Saturated with Phase Change Material. |
| **Panel for External Viva** | 1. Prof. Dr. Emad ud Din, HoD Department of Mechanical Engineering, SMME, NUST Islamabad. 2. Dr. Muhammad Irfan, Assistant Professor, CUST, Islamabad. 3. Dr. Muhamamd 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 & Reg.** | **Ali Ejaz 18-MS-PT-TSE-05** |
| **Supervisor** | Prof. Dr. Riffat Asim Pasha |
| **Thesis Title** | Experimental Investigation on Photovoltaic Panels through Phase Change Material with Metallic Foam Based System. |
| **Panel for External Viva** | 1. Prof. Dr. M. Zubair Khan, IST Islamabad. 2. Prof. Athar Masood, Mechanical Engineering Department, IIU Islamabad. 3. Dr. Attar ur Rehman, Associate Professor, HITEC Taxila. |

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.** | **Furqan Jamil 18-MS-PT-TSE-04** |
| **Supervisor** | Dr. Muhammad Ali Nasir |
| **Thesis Title** | Experimental Analysis on Thermal Regulation of Photovoltaic Panels using Integrated Phase Change Materials with Nanoparticles. |
| **Panel for External Viva** | 1. Dr. Ajaz Bashir Janjua, Deputy General Manager, HMC Taxila. 2. Dr. Mariam Sattar, Assistant Professor, IST Islamabad. 3. Dr. Muhammad Abid, Dean of Faculty, COMSATS Wah Cantt. |

**Item No. 2. 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 | Muhammad Nouman Ali  17-MS-FT-AMD-13 | Dr. Ajaz Bashir Janjua | Effects of Upstream Turbulence upon Wavy and Grooved Tube within a Heat Exchanger Tube Bundle |
| 2 | M. Owais Shafi  18-MS-PT-PE(T)-03 | Dr. Azhar Hussain | Efficient Gasification using Combustion of Hydrocarbon with Oxygen to Yield Maximum Volatiles from Organic Waste. |
| 3 | Abdul Moeed  18-MS-PT-PE(T)-04 | Dr. Azhar Hussain | Design of Incineration setup for unsegregated waste. |

**Item No. 3.** **Panel of External Examiners for PhD Final Defense**.

Board recommended the following panel of External Examiners for PhD Final Defense of PhD Scholar Mr. **Farrukh Mazhar** Reg. No. **11-UET/PhD-ME-71**

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| **Sr. No** | **Name** | **Contact** |
| 1 | Prof. Dr. Muhammad Abid | Professor, Head of Department  Mechanical Engineering, COMSATS, Wah Campus  Tel:+92 51 9314382-83, 9314482-83, 4534200-02 |
| 2 | Dr. Muhammad Sajid | HOD Research,  Department of Mechanical Engineering, School of Mechanical & Manufacturing Engineering (SMME),  National University of Sciences and Technology (NUST), Islamabad, Pakistan.  Email: m.sajid@smme.nust.edu.pk & hodresearch@smme.edu.pk  Tel: +92 51 9085 6065 |
| 3 | Prof. Dr. Nadeem A. Sheikh | Prof. Dr. Nadeem Ahmed Sheikh  Department of Mechanical Engineering  International Islamic University Islamabad  e-mail: [nadeemahmed@iiu.edu.pk](mailto:nadeemahmed@iiu.edu.pk)  Tel: 051-9019959 |
| 4 | Dr.Taqi Ahmed Cheema | Associate Professor,  Faculty of Mechanical Engineering, GIK Institute of Engineering Sciences, Topi, Pakistan  E-mail:[tacheema@giki.edu.pk](mailto:tacheema@giki.edu.pk);  Tel: +92-938-271858-2268 |
| 5 | Prof. Dr.Aamer Iqbal Bhatti | Professor,  Capital University of Science and Technology, Islamabad  E-mail: [aib@cust.edu.pk](mailto:aib@cust.edu.pk)  Tel: +92-51-111-555-666 |
| 6 | Prof. Dr. Asim Farooqui | Chairman Mechatronics Engg Deptt  University of Wah  Tel: (051) 905525216-17 Ext. 212  Email: asim@wecuw.edu.pk |

**Item No. 4.** **Courses and Teachers Allocation for Semester Fall-2020**

Board recommended the Courses and Teacher Allocation for MSc/PhD Mechanical Engineering for Semester Fall-2020 .

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

***DIRECTOR PGS***

***CHAIRMAN***