**DEPARTMENT OF MECHANICAL ENGINEERING**

**UNIVERSITY OF ENGINEERING AND TECHNOLOGYTAXILA**

**Minutes of Meeting of Board of Post-Graduate Studies, held on 28.07.2020at 10:00am**

**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. Azhar Munir
	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)
	11. Dr. Nazir Ahmed Anjum (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.** | **Kanwal Waqar 16-MS-PT-AMD-09** |
|  **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 |
| **Panel for External Viva** | 1. Dr. Shahid Mehmood, Assistant Professor, University of Chakwal.
2. Col. (R) Engr. Hassan S Rana, IST Islamabad.
3. Dr. Rehan Zuberi, DCE, PAEC, Islamabad.
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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.** | **Wajid Ali 17-MS-FT-ENE-14** |
|  **Supervisor** | Dr. Abid Hussain  |
| **Thesis Title** | Passive Thermal Management of Lithium Ion Batteries. |
| **Panel for External Viva** | 1. Dr. Emad Uddin, HoD, Department of Mechanical Engineering. SMME. National University of Sciences and Technology, Rawalpindi.
2. Dr. Muhammad Irfan, Assistant Professor, CUST, Islamabad.
3. Dr. Hassan Ali, Associate Professor, Rachna Gujranwala.
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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.** | **Awais Ahmed 17-MS-PT-PE(T)-16** |
|  **Supervisor** | Dr. Abid Hussain  |
| **Thesis Title** | Determination of Effective Thermal Conductivity of Iron-Nickel Foam Saturated with Phase Change Material |
| **Panel for External Viva** | 1. Dr. Muhammad Umer, Department of Mechanical Engineering, IST Islamabad.
2. Dr. Muhammad Zeeshan Rafique, Assistant Professor, MED University of Lahore.
3. Dr. Imran Ali, Assistant Professor, UET Lahore, Faisalabad Campus.
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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 Khalil 17-MS-PT-PE (T)-11** |
|  **Supervisor** | Dr. Abid Hussain  |
| **Thesis Title** | Energy Improvement Strategies in Coal Fired Chain Grate Boiler. |
| **Panel for External Viva** | 1. Dr. Emad Uddin, HoD, Department of Mechanical Engineering. SMME. National University of Sciences and Technology, Rawalpindi.
2. Dr. Muhammad Irfan, Assistant Professor, CUST, Islamabad.
3. Dr. Hassan Ali, Associate Professor, Rachna Gujranwala.
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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.** | **Ijaz Ahmad 17-MS-PT-PE(H)-03**  |
|  **Supervisor** | Dr. Abid Hussain  |
| **Thesis Title** | Measurement of Thermal Conductivity of Copper Metal Foam Saturated with Phase Change Material. |
| **Panel for External Viva** | 1. Dr. Muhammad Umer, Department of Mechanical Engineering, IST Islamabad.
2. Dr. Muhammad Zeeshan Rafique, Assistant Professor, MED University of Lahore.
3. Dr. Imran Ali, Assistant Professor, UET Lahore, Faisalabad Campus.
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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.** | **Usman Aziz** 16-MS-PT-AMD-10 |
|  **Supervisor** | Dr. Waqar Ahmed Qureshi |
| **Thesis Title** | Design, Development and Testing of Adaptive Vibration Damping System Using Carbonyl Iron Based Magneto-Rheological Fluid |
| **Panel for External Viva** | 1. Dr. Rehan Jamshed, DCM NESCOM Islamabad
2. Dr. Mubashir, Assistant Professor, NUST
3. Engr. Ahmed Saied, MSc from Malaysia.
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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.** | **Tahir Mehmood Khan 18-MS-PT-ENE-05**  |
|  **Supervisor** | Prof. Dr. Muhammad Shahid Khalil  |
| **Thesis Title** | Numerical Analysis of Multiple geometric designs of float for Ocean Wave Energy Converter |
| **Panel for External Viva** | 1. Prof. Dr. Muhammad Zubair Khan, IST Islamabad.
2. Dr. Awais ur Rehman, Assistant Professor, IST Islamabad.
3. Dr. Usama Waleed Qazi, Assistant Professor, IST Islamabad.
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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 | Ghulam Murtaza18-MS-PT-AMD-16 | Dr. Nazeer Ahmad Anjum | Investigation Through Experimentation The Stress Corrosion Cracking of Friction Stir Welded Aluminum Alloy. |
| 2 | Talha Mehmood | Dr. Ajaz Bashir Janjua  | Experimental Investigation Of Fluidelastic Instability Effect Of Upstream Turbulence In Wavy And Grooved Heat Exchanger Tube Arrays |

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



***DIRECTOR PGS***

***CHAIRMAN***