**DEPARTMENT OF MECHANICAL ENGINEERING**

**UNIVERSITY OF ENGINEERING AND TECHNOLOGY** **TAXILA**

**Minutes of Meeting of Board of Post-Graduate Studies, held on 18.04.2019 at 10:00am in the Conference Room, MED**

Following were present:

* 1. Prof. Dr. Riffat Asim Pasha (In Chair)
  2. Prof. Dr. Shahab Khushnood
  3. Prof. Dr. M. Shahid Khalil
  4. Dr. Azhar Munir
  5. Prof. Dr. Muhammad Zubair Khan
  6. Dr. Muhammad Ali Nasir
  7. Dr. Muzaffar Ali (Invited Member)
  8. Dr. Hafiz Muhammad Ali (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.** | **Arsalan Yawar 17-MS-FT-TSE-01** |
| **Supervisor** | Dr. Muhammad Shehryar |
| **Thesis Title** | Transient Cross Flow and Heat Transfer over a Rotationally Oscillating Cylinder Subjected to Gust Impulse |
| **Panel for External Viva** | 1. Prof. Dr. Nadeem Ahmed Sheikh, Mechanical Engineering Department, IIU Islamabad. 2. Dr. Muhammad Sajid, Asst. Professor, SMME, NUST Islamabad. 3. Dr. Muhammad Yamin Younis, Asst. Prof. MED, MUST AJK. |

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.** | **Ahsan Ali 17-MS-FT-AMD-02** |
| **Supervisor** | Prof. Dr. Riffat Asima Pasha |
| **Thesis Title** | Design and Simulation of Piezoelectric Actuator and its Performance Analysis in Static State |
| **Panel for External Viva** | 1. Prof. Dr. M. Zubair Khan, IST Islamabad. 2. Dr. Athar Masood, Associate Prof. Mechanical Engineering Department, IIU Islamabad. 3. Dr. Kunwar Faraz, General Manager, HIT 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.** | **Zubair Ahmad Qureshi 17-MS-FT-TSE-02** |
| **Supervisor** | Experimental Study on PCM Assisted Heat Pipe Cooling System |
| **Thesis Title** | Prof. Dr. Shahab Khushnood |
| **Panel for External Viva** | 1. Dr. Zaheer ul Hassan, Director POF Wah Cantt. 2. Dr. Azhar Munir, Director AWC, Hassanabdal. 3. Engr. Tasheer ud din, Director Services, POF Wah Cantt |

**Item No. 2. Topic Approval/ Synopsis for MSc Thesis**

Board recommended following Research Topics and Supervisors against following MSc Scholars.

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| **Sr. No.** | **Student Name** | **Supervisor** | **Research Topics** |
| 1 | Sohail Arshad  15-MS-PT-P&G-03 | Dr. Hafiz Muhammad Ali | Performance Evaluation of Angled Mini-Channels Heat Sinks by Employing MWCNT’s Dispersion. |
| 2 | Noor Zaman  17-MS-PT-EnE-04 | Dr. Azhar Hussain | Development of Graphene Based Super Capacitor to Enhance Energy Storage. |
| 3 | Islam Nabi  17-MS-PT-EnE-14 | Dr. Muzaffar Ali | Real Time Analysis of Primary Air Heating through Waste Heat Recovery from Rotary Kiln Shell. |
| 4 | Asif Durez  17-MS-PT-EnE-17 | Dr. Muzaffar Ali | Modeling and Optimization for Passive Cooling of PV Panels in Multi Climate Zones. |
| 6 | Muhammad Ubaid ullah  17-MS-PT-PE(T)-13 | Dr. Abid Hussain | Thermal Management of Electronic Devices Employing Ionic Wind. |
| 7 | Jahanzeb  15-MS-PT-EnE-11 | Dr. Tanzeel ur Rashid | Energy Analytical Based on TIMES-Pak for Integrated Energy Planning. |
| 8 | Zia ur Rehman  17-MS-FT-EnE-15 | Dr. Muddassir Ali | A Revised Thermal Model for Nanosecond Pulsed Laser-Induced Ablation. |
| 9 | Muhammad Ramzan  17-MS-PT-PE(T)-19 | Dr. Abid Hussain | Thermal Management in Electric Vehicles by Employing Metal Foam Saturated with Phase Change Materials. |
| 10 | Muhammad Aqib  17-MS-PT-AMD-23 | Dr. Azhar Hussain | Investigating the stability of Composite PCM |
| 11 | Syed M. Kashif Shah  17-MS-PT-EnE-13 | Dr. Tanzeel ur Rashid | Smart Integrated Decentralization Strategies of Solar Power System in Buildings. |
| 12 | Muhammad Mehboob  17-MS-PT-EnE-08 | Dr. Tabzeel ur Rashid | Exploring the New Cost-Effective and Energy Efficient Construction Materials for Buildings in Pakistan. |

**Item No. 3. Transfer of Credit Hours**

Board considered the application of following MSc Scholar and recommended the transfer of Credit Hours from UET Peshawar to **UET Taxila** as per clause 3.3.4 of postgraduate prospectus 2017.

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| **Name and Registration No.** | **Course Code and Course Title** | **Grade** |
| Khansa Anjum  18-MS-PT-AMD-19 | (ME-5303) Finite Element Analysis | A |

\*Course code of the subject title “Finite Element Analysis” in Postgraduate Prospectus 2017 is ME-6202.

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

***DIRECTOR, PGS***

***CHAIRMAN***