**DEPARTMENT OF MECHANICAL ENGINEERING**

**UNIVERSITY OF ENGINEERING AND TECHNOLOGYTAXILA**

**Minutes of Meeting of Board of Post-Graduate Studies, held on 04.01.2022 at 10:00am**

**In the Conference Room of Mechanical Engineering Department**

Following were present:

* 1. Prof. Dr. RiffatAsim Pasha (In Chair)
  2. Prof. Dr. Muzaffar Ali (Internal Member)
  3. Dr. Ajaz Bashir Janjua (External Member)
  4. Prof. Dr. Athar Masood (External Member) Online
  5. Prof. Dr. Muhammad Zubair Khan (External Member) Online
  6. Prof. Dr. Muhammad Ali Nasir (Internal Member/ Director PGS)

The meeting started with the name of Allah Al-mighty.

**Item No. 1. Postgraduate 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.** | **Hafiz Muhammad Yasir Saleem, 17-MS-PT-AMD-04** |
| **Supervisor** | Prof. Dr. Nazeer Ahmed Anjum |
| **Thesis Title** | Experimental Characterization of Different Filler Metals in Stress Corrosion Cracking for Dissimilar Weldments of Stainless Steel. |
| **Panel for External Viva** | 1. **Dr. Waqas Anwar,** General Manager, AWC Hassanabdal. 2. **Prof. Dr. Muhammad Zubair Khan,** IST Islamabad**.** 3. **Dr. Rizwan Ahmad,** General Manager, PMO 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.** | **Yasir Rafique, 17-MS-PT-PE(T)-08** |
| **Supervisor** | Dr. Abid Hussain |
| **Thesis Title** | Operating Strategy Development for vibration reduction of a steam turbine shaft bearing by ANN and SVM approach. |
| **Panel for External Viva** | 1. **Dr. Emad ud Din**, HoD Department of Mechanical Engineering, SMME, NUST Islamabad. 2. **Dr. Muhammad Irfan**, Assistant Prof. CUST Islamabad. 3. **Dr. Umer,** Assistant Prof, 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.** | **Faisal Hassan, 18-MS-FT-TSE-03** |
| **Supervisor** | Dr. Abid Hussain |
| **Thesis Title** | Experimental Analysis of Thermal Management of Electronic Equipment using Nano enriched PCMs Saturated in Metal Foam |
| **Panel for External Viva** | 1. **Dr. Muhammad Anwar**, Assistant Prof. IST Islamabad. 2. **Dr. Emad ud Din**, HoD Department of Mechanical Engineering, SMME, NUST Islamabad. 3. **Dr. Muhammad Irfan**, Assistant Prof. CUST 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.** | **Fawad Yousaf Malik, 17-MS-PT-AMD-13** |
| **Supervisor** | Prof. Dr. Nazeer Ahmed Anjum |
| **Thesis Title** | Investigation of Stress Corrosion Cracking in Titanium Alloy (Ti6Al4V) After Surface Treatment. |
| **Panel for External Viva** | 1. **Dr. Masood ur Rehman Shah**, Director Innovia Tech Rawalpindi. 2. **Dr. Liaqat Ali Khan**, Associate Prof. Mech. Engg. Dept. NUTECH University, Rawalpindi. 3. **Dr. Asif Hussain Malik**, Dy. Director, KRL Kahota. |

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.** | **Soban Qamar, 18-MS-PT-P&G-04** |
| **Supervisor** | Dr. Syed Nasir Shah |
| **Thesis Title** | Implementation of Novel Ionic Liquid for the Production of Biodiesel through Microbubble Reactor. |
| **Panel for External Viva** | 1. **Prof. Dr. Riffat Naseem Malik**, Environmental Science Department, Quaid-i-Azam University Islamabad. 2. **Dr. Iftikhar Ahmad**, Associate Prof. SCME, NUST Islamabad. 3. **Dr. Mansoor ul Hassan**, Lecturer, Department of Chemical Engineering, UET Peshawar. |

1. Board **deferred** the case of below mentioned scholar till he incorporates all the changes suggested by the Board members.

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| **Name of Scholar & Reg.** | **Jawad Fareed, 18-MS-PT-P&G-02** |
| **Supervisor** | Dr. Muddasir Ali |
| **Thesis Title** | Experimental Investigation of Cellulose Blended Membranes for Seawater Pervaporation Desalination. |

**Item No. 2. Approval of The Research Topic for MSc Thesis**

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 | Rehman Khan  19-MS-ME-AMD-30 | Prof. Dr. Muhammad Ali Nasir | Development and Experimental Investigation of Elastic and Ultraviolet Resistant durable PVC pipes. |
| 2 | Muhammad Kashif  19-MS-ME-TSE-12 | Prof. Dr. Muzaffar Ali | Experimental Investigation of Energy Efficient Strategies for Gas Water Geyser. |
| 3 | Haris Khan  20-MS-ME-TSE-06 | Dr. Syed Nasir Shah | Performance Analysis of a Waste Heat Recovery Process with Integration of Multi-Fluid and Indirect Evaporative Cooler. |
| 4 | Farhan Ahmad  18-MS-PT-PE(T)-08 | Dr. Abid Hussain | Effect of Nano Metal Oxides on Thermal Properties of Sintered Heat Pipe. |
| 5 | Faiza Abid  19-MS-ME-AMD-13 | Dr. Azhar Hussain | Nature Inspired Thermomechanical Treatment to Enhance Strength of Metal. |
| 6 | Khansa Anjum  18-MS-PT-AMD-19 | Dr. Aneela Wakeel | Process Design and Automation using Enterprise Resource Planning System for Manufacturing Industry. |
| 7 | Farhan Zamir  2019-MS-ME-AMD-17 | Prof. Dr. Riffat Asim Pasha | Modeling and Analysis of Piezoelectric Transducer for Energy Harvesting |
| 8 | Armaghan Naeem  20-ME-MS-AMD-12 | Prof. Dr. Riffat Asim Pasha | Design, Development and Testing of Milling Fixture Pallet for Alligator Forceps |

**Item No. 3.** **Change in Research Monitoring Committee**

Board recommended the Change of Research Monitoring Committee for PhD Studies against following PhD Scholar of Mechanical Engineering Department.

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| **Scholar Name & Redg. No.** | **Existing RMC Committee** | **RMC members Left** | **New Proposed RMC Members** |
| **Sibghat Ullah**  15-UET/PhD-ME-105 | 1. **Prof. Dr. Muzaffar Ali** (Supervisor) 2. **Dr. Syed Ahtisham ul Haq Gilani**   (Co-Supervisor)   1. **Dr. Hassan Ali** 2. **Prof. Dr. Nadeem A. Sheikh** 3. **Dr. Tipu Sultan** 4. **Dr. Hafiz Muhammad Ali** (Internal Member) | 1. **Dr. Hassan Ali**   (External Member)   1. **Dr. Tipu Sultan**   (External Member)   1. **Dr. Hafiz Muhammad Ali**   (Internal Member) | 1. **Dr. Muhammad Kamal Amjad,** General Manager, AWC Hassanabdal.   (External Member)   1. **Dr. Ghulam Qadar Chaudhary**, MED, MUST Mirpur. (External Member) 2. **Dr. Adeel Waqas,** A/Principal & Dean (USPCASE) NUST Islamabad.(External Member) 3. **Dr. Waheed Badar,** Associate Prof. HITEC University Taxila.   (External Member)   1. **Dr. Tanzeelur Rashid**, Asst. Prof. MED, UET Taxila   (Internal Member) |
| **Muhammad Rashid**  19-UET/PhD-ME-18 | 1. **Prof. Dr. Muzaffar Ali** (Supervisor) 2. **Dr. Hassan Ali,** Associate Prof. UET Lahore. 3. **Dr. Ghulam Qadar Chaudhary**, MED, MUST Mirpur 4. **Dr. Abdul Waheed Badar,** Associate Prof. HITEC University Taxila**.** 5. **Dr. Javed Akhtar,** Assistant Prof. UET Taxila. (Internal Member) | 1. **Dr. Hassan Ali,** Associate Prof. UET Lahore. | 1. **Prof. Dr. Nadeem A. Sheikh,** Dean Faculty of Mech. IIU Islamabad   (External Member)   1. **Dr. Adeel Waqas,** A/Principal & Dean (USPCASE) NUST Islamabad.   (External Member)   1. **Dr. Ajaz Bashir Janjua,** General Manager, HMC Taxila.   (External Member) |

Item No. 4: **Change of External Members for MSc Thesis Viva**

Board recommended the Change of External Members against below mentioned scholar for his MSc Thesis Viva.

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| **Name and Registration No.** | **Supervisor** | **Recommended Panel of External Examiners** | **Proposed Panel of External Examiners** |
| **Abdullah Muneeb Akram**  **17-MS-PT-PE(H)-01** | **Dr. Ajaz Bashir Janjua** | 1. **Dr. Fahad Sarfraz Butt**, Asst. Prof. Faculty of Mech. Engg. HITEC Taxila. 2. **Dr. Emmadud Din**, HoD, Department of Mechanical Engineering, SMME, NUST Islamabad 3. **Prof. Dr. Amir Sultan**, UET Chakwal (To be replaced) | 1. **Dr. Fahad Sarfraz Butt**, Asst. Prof. Faculty of Mech. Engg. HITEC Taxila. 2. **Dr. Emmadud Din**, HoD, Department of Mechanical Engineering, SMME, NUST Islamabad 3. **Dr. Muhammad Abid,** Assistant Prof. MED, COMSATS Wah Cantt. |

**Item No. 5:** **Constitution of Research Monitoring Committee for PhD**

Board recommended the constitution of Research Monitoring Committee for PhD Studies against following PhD Scholar of Mechanical Engineering Department

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| **Name and Registration No.** | **Supervisor** | **Proposed RMC Members** |
| **Zafar Farooq**  19-UET/PhD-ME-21 | **Dr. Syed Nasir Shah**  *Supervisor*  **Dr. Tanzeel ur Rashid,**  Assistant Professor, Mechanical Engineering Department, UET Taxila | 1. **Dr. Sahar Noor**   Dean Faculty of Mechanical, Chemical and Industrial Engineering, UET Peshawar.   1. **Dr. Arslan Ahmed,** Department of Mechanical Engineering, COMSATS Sahiwal. 2. **Dr. Sajid Ullah Butt,**   Dept. of Mech. Engg. College of Electrical and Mechanical Engineering, NUST Rwp.   1. **Dr. Niaz Bahadur Khan,**   SMME, NUST Islamabad.   1. **Prof. Dr. Waseem Siddique,**   Dept. of Mech. Engineering, PIEAS Islamabad.   1. **Prof. Dr. Muzaffar Ali,**   Mechanical Engineering Department, UET Taxila.   1. **Chairman (MED)** 2. **Dean** (FM & AE) 3. **Director** (ASR & TD) |

**Item No. 6:** **Change of PhD Supervisor**

Board recommended the change of PhD Supervisor (due to his non-availability) against the below mentioned PhD Scholar.

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| **Name and Registration No.** | **Supervisor (Existing)** | **Proposed Supervisor** |
| Engr. Zahid Suleman Butt  05-UET/PhD-ME-14 | Dr. Hammad Bin Khaleeq | Prof. Dr. Riffat Asim Pasha |

**Item No. 7**: **Course and Course Teacher Allocation for Semester Spring 2022**

Board recommended the allocation of courses and course teachers for Postgraduate Studies for Semester Spring 2022. (Detail is attached as Annex-I)

**Item No. 8.** **Change of PhD Supervisor against Newly Admitted PhD Scholars Entry 2021**

Board recommended the following change of PhD Supervisor against Newly Admitted PhD Scholars in Mechanical Engineering Department (Entry 2021).

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| **App. No.** | **Name** | **Previous Supervisor** | **Proposed Supervisor & Co-Supervisor** |
| 1 | Munazza | **Dr. Aneela Wakeel,**  Asst. Prof. MMED | **Prof. Dr. Riffat Asim Pasha,** MED, UET Taxila  **Dr. Aneela Wakeel,** Asst. Prof. MMED, UET Taxila  **(Co-Supervisor)** |
| 2 | Muneeb Ahmed | **Dr. Syed Nasir Shah,**  Asst. Prof. Energy Engg. Dept. | **Prof. Dr. Muzaffar Ali,** MED, UET Taxila  **Dr. Syed Nasir Shah,** Asst. Prof. Energy Engg. Dept. UET Taxila  **(Co-Supervisor)** |
| 3 | Ammar Naseer | **Dr. Azhar Hussain**  Asst. Prof. MMED | **Dr. Mubashir Gulzar,** Associate Prof. MED, UET Taxila  **Dr. Azhar Hussain,** Asst. Prof. MMED, UET Taxila  **(Co-Supervisor)** |

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

***DIRECTOR PGS***

***CHAIRMAN***