**DEPARTMENT OF MECHANICAL ENGINEERING**

**UNIVERSITY OF ENGINEERING AND TECHNOLOGYTAXILA**

**Minutes of Meeting of Board of Post-Graduate Studies, held on 29.09.2021 at 10:00am**

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

Following were present:

* 1. Prof. Dr. RiffatAsim Pasha (In Chair)
  2. Prof. Dr. Amir Sultan (Internal Member)
  3. Prof. Dr. Muzaffar Ali (Internal Member)
  4. Prof. Dr. Athar Masood (External Member)
  5. Dr. Ajaz Bashir Janjua (External Member)
  6. Dr. Azhar Munir (External Member)
  7. Prof. Dr. Muhammad Ali Nasir (Director PGS)
  8. Concerned Supervisors

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.** | **Muhammad Yousaf, 18-MS-PT-TSE-07** |
| **Supervisor** | Dr. Muddassir Ali |
| **Thesis Title** | Design and CFD Analysis of HVAC System |
| **Panel for External Viva** | 1. **Dr. Israr ud Din**, Assistant Professor, RCMS NUST Islamabad. 2. **Dr. Saleem Iqbal**, Assistant Professor, University of Wah, Wah Cantt 3. **Dr. Muhammad Zafar**, Assistant Professor, IEEE, University of Punjab, 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.** | **Ammad Nasir, 18-MS-PT-P&G-03** |
| **Supervisor** | Dr. Syed Nasir Shah |
| **Thesis Title** | Production of Biodiesel from Chicken Fat using Heterogeneous Catalyst via Multiple Methods |
| **Panel for External Viva** | 1. **Prof. Dr. Riffat Naseem Malik (TI)**, Professor, Environmental Sciences, Quaid Azam University, Islamabad. 2. **Prof. Dr. Saeed Gul**, Professor, UET Peshawar. 3. **Dr. Mansoor ul Hassan Shah, Lecturer**, UET Peshawar |

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.** | **Abdullah Muneeb Akram, 17-MS-PT-PE(H)-01** |
| **Supervisor** | Dr. Ajaz Bashir Janjua |
| **Thesis Title** | Experimental approach to investigate the optimum condition of conical basin gravitation water vortex power plant |
| **Panel for External Viva** | 1. **Dr. Fahad Sarfraz Butt**, Assistant Professor, Faculty of Mech. Engg. HITEC University Taxila. 2. **Dr. Emmadud Din,** HoD, Department of Mechanical Engineering. SMME, NUST Rawalpindi. 3. **Prof. Dr. Amir Sultan,** UET Chakwal Campus. |

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.** | **Asad Yousaf, 18-MS-PT-AMD-18** |
| **Supervisor** | Prof. Dr. RiffatAsim Pasha |
| **Thesis Title** | To Investigate the Effect of Filler Materials on Mechanical Properties of Shielded Metal Arc Welded AISI 316L Austenitic Stainless Steel Joints |
| **Panel for External Viva** | 1. **Prof. Dr. M. Zubair Khan,** Faculty of Mech. Engg. IST Islamabad. 2. **Dr. Ajaz Bashir Janjua,** General Manager, HMC Taxila. 3. **Dr. Muhammad Adnan,** NESCOM 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.** | **Muhammad Shahid Aziz, 17-MS-PT-AMD-10** |
| **Supervisor** | Dr. Rizwan Ahmed Malik |
| **Thesis Title** | To Investigate the Effect of Filler Materials on Mechanical Properties of Shielded Metal Arc Welded AISI 316L Austenitic Stainless Steel Joints |
| **Panel for External Viva** | 1. **Dr. Mohsin Saleem,** Assistant Prof. SCME, NUST Islamabad. 2. **Dr. Atta ur Rehman Shah,** Assistant Prof. MED, HITEC University Taxila. 3. **Dr. Atiqur Rehman,** Metallurgy and Materials Engineering Department, IST Islamabad. |

1. Board **does not recommend** the final progress report of below mentioned scholar and suggested him to re-appear after incorporating suggested changes.

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| **Name of Scholar & Reg.** | **Soban Qamar,** |
| **Supervisor** | Dr. Syed Nasir Shah |
| **Thesis Title** | Implementation of Novel ionic liquid for the production of biodiesel through Microbubble reactor |
| **Panel for External Viva** |  |

**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 | Bushra Nadeem  19-MS-ME-TSE-20 | Dr. Ajaz Bashir Janjua | Comparative Experimental Analysis of Monocrystalline and Polycrystalline Photovoltaic Panel Through Hybrid Phase Change Materials. |
| 2 | Haseeb ullah  19-MS-ME-PE(T)-17 | Dr. Syed Nasir Shah | Preparation, Characterization and Performance Evaluation of Polyester/Silica Composites Coating upon Copper for Heat Exchanger Coils. |
| 3 | Muhammad Hayat  19-MS-ME-PE(T)-11 | Dr. Syed Nasir Shah | Thermal Evaluation of Polyester-Silica Based Composites for Heat Insulation Tiles. |
| 4 | Ubaid ur Rehman  19-MS-ME-TSE-03 | Prof. Dr. Muzaffar Ali | Design and Development of Innovative Solar Passive Windows for Energy Efficient Buildings. |
| 5 | Amir Hamza Siddique  17-MS-PT-P&G-16 | Dr. Mubashir Gulzar | Tribological Analysis of Ionic Liquids as Additive to Engine Oil. |
| 6 | Asad Meer  19-MS-ME-PE(T)-10 | Dr. Syed Nasir Shah | Thermal Characterization and Performance Analysis of Epoxy Based Composite by Applying on Steam Pipes. |
| 7 | Muhammad Tahir  19-MS-ME-PE(T)-02 | Dr. Syed Nasir Shah | Numerical Analysis of Nano Indentation on Ceramic Material. |
| 8 | Muhammad Talha Aamir  19-MS-ME-AMD-12 | Prof. Dr. M. Ali Nasir | Design and Analysis of Composite Based Radome for Aerospace Applications |
| 9 | Zhaib Muneer Ahmed  19-MS-ME-AMD-07 | Prof. Dr. M. Ali Nasir | Manufacturing and Experimental Analysis of Hybrid Sandwich Composite Radome. |
| 10 | Ahmad Ihsan  19-MS-ME-AMD-39 | Prof. Dr. M. Ali Nasir | Design and Analysis of Composite Wheel Rim for Automotive Applications. |

**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.** | **Previous RMC Committee** | **New Proposed RMC Committee** |
| **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** | 1. **Prof. Dr. Muzaffar Ali** (Supervisor) 2. **Dr. Syed Ahtisham ul Haq Gilani**   (Co-Supervisor)   1. **Dr. Emad Uddin**, HoD Department of Mech. Engg, SMME NUST. 2. **Prof. Dr. Nadeem A. Sheikh,** Dean Faculty of Mech. IIU Islamabad 3. **Dr. Ghulam Qadar Chaudhary**, MED, MUST Mirpur. 4. **Dr. Tanzeelur Rashid**, Asst. Prof. MED, UET Taxila |
| **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 WaheedBadar,** Associate Prof. HITEC University Taxila**.** 5. **Dr. Javed Akhtar,** Assistant Prof. UET Taxila. | 1. **Prof. Dr. Muzaffar Ali**   (Supervisor)   1. **Prof. Dr. Nadeem A. Sheikh,** Dean Faculty of Mech. IIU Islamabad 2. **Dr. Ghulam Qadar Chaudhary**, MED, MUST Mirpur 3. **Dr. Abdul WaheedBadar,** Associate Prof. HITEC University Taxila**.** 4. **Dr. Javed Akhtar,** Assistant Prof. UET Taxila. |

**Item No. 4.** **PhD Admissions Entry 2021**

Board recommended the admission of following candidates in PhD Mechanical Engineering Entry-2021.

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| **App. No.** | **Name** | **F. Name** | **Proposed Supervisor** |
| 1 | Ahsan Ali | Muhammad Ali | **Prof. Dr. RiffatAsim Pasha,** Supervisor  **Dr. Rizwan Ahmed Malik**, Co-Supervisor  Asst. Prof. MMED |
| 2 | Munazza | Abdul Haq | **Dr. Aneela Wakeel,**  Asst. Prof. MMED |
| 3 | Sullahud Din | Abdul Rehman | **Dr. Abid Hussain,**  Asst. Prof. MED |
| 4 | Muneeb Ahmed | Tashhirud Din | **Dr. Syed Nasir Shah,**  Asst. Prof. Energy Engg. Dept. |
| 5 | Dilawar Ali Khan | Ali Jan | **Dr. Muhammad Shehryar**  Associate Prof. MED |
| 6 | Haseeb ur Rehman | Muhammad Sharif | **Dr. Mubashir Gulzar**  Associate Prof. MED |
| 7 | Ammar Naseer | Naseer Ahmad | **Dr. Azhar Hussain**  Asst. Prof. MMED |
| 8 | Arslan Iqbal Bhatti | Iqbal Shamaun | **Prof. Dr. Muzaffar Ali**  Mech. Engg. Department |

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

***DIRECTOR PGS***

***CHAIRMAN***