**DEPARTMENT OF MECHANICAL ENGINEERING**

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

**Minutes of Meeting of Board of Post-Graduate Studies, held on 10.11.2017 at 10:00 am in the Conference Room, MED**

Following were present:

* 1. Prof. Dr. Shahab Khushnood
  2. Prof. Dr. Riffat Asim Pasha (In Chair)
  3. Prof. Dr. Khawaja Sajid Bashir
  4. Prof. Dr. M. Zubair Khan
  5. Dr. Asif Hussain Malik
  6. Dr. Azhar Munir
  7. Dr. Ajaz Bashir Janjua

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. Thesis Title:

“**Investigation and analysis of the effect of EDM parameter on tribological characteristics of AISI-304IL**”.

Scholar Name and Regd. No.: Muhammad Adnan 15-MS-PT-AMD-03

Supervisor: Dr. Nazeer Ahmad Anjum

Board recommended the above final progress report and allowed him to appear for his final viva. Panel of external examiners was also recommended by the Board.

1. Thesis Title:

“**Optimal thermal design of cylindrical tube heat exchanger”.**

Scholar Name and Regd. No.: Nadeem Iqbal 15-MS-PT-TSE-02

Supervisor: Dr. Ajaz Bashir Janjua

Board recommended the above final progress report and allowed her to appear for her final viva. Panel of external examiners was also recommended by the Board.

**Item No. 2** **MSc Research Topic Approval/Synopsis**

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

|  |  |  |  |
| --- | --- | --- | --- |
| **Sr. No.** | **Student Name** | **Supervisor** | **Research Topics** |
| 1 | Bilal Haider  14-MS-PT-AMD-14 | Dr. Masoodur Rehman Shah | Deduction of chatter as function of cutting parameters in stainless steel plain turning. |
| 2 | Khurram Shehzad  14-MS-PT-AMD-09 | Dr. Azhar Hussain | Development and experimental investigation of Bimodular materials coating to enhance damping. |
| 3 | Muhammad Saad Zahoor  14-MS-PT-AMD-06 | Dr. Azhar Hussain | Investigation of functionally graded materials coating to improve damping and wear resistance. |
| 4 | Kanwal Waqar  16-MS-PT-AMD-06 | Dr. Amir Sultan | Effect of crack length variation on stress intensity factors in a mixed mode failure of edge cracked die steels |
| 5 | Shah Nawaz Khan  16-MS-AMD-PT-05 | Dr. Waqar Ahmad Qureshi | Thermal mechanical analysis of a diesel engine piston using FEA. |
| 6 | Arslan ul Hafeez  16-MS-FT-TSE-09 | Dr. Syed Adnan Qasim | Modeling thermo hydrodynamic lubrication of rough piston surface in high torque low speed diesel engine. |
| 7 | Muhammad Usman Sajid  16-MS-FT-TSE-03 | Dr. Hafiz Muhammad Ali | Performance improvement of heat sinks with enhanced geometries using nanofluids. |
| 8. | Ghulam Murtaza  15-MS-PT-TSE-10 | Prof. Dr. Shahab Khushnood | Experimental flow induced vibrational analysis of the finned tube in square array. |

**Item No. 3.** **Constitution of Research Monitoring Committee**

Board recommended the constitution of Research Monitoring Committee against following PhD Scholars.

|  |  |  |  |
| --- | --- | --- | --- |
| **Sr. #** | **Scholar Name and Reg. #** | **Supervisor** | **Proposed RMC Members** |
| **1** | Osama Junaid  16-UET/PhD-ME-04 | **Prof. Dr. Riffat Asim Pasha** | 1. **Prof. Dr. M. Zubair Khan,**   IST, Islamabad   1. **Dr. Azhar Munir,**   Director HRD AWC Hassanabdal   1. **Brig. Dr. Adnan Qasim,**   Director Curriculum Design, NUTECH Islamabad   1. **Dr. Waqar Ahmed Qureshi,**   Asst. Prof. MED UET Taxila |
| **2** | Muhammad Usman  **17-UET/PhD-ME-05** | **Dr. Muzaffar Ali** | 1. **Dr. Nadeem A. Sheikh,** Associate Prof. HITEC University Islamabad. 2. **Dr. Ajaz Bashir Janjua,** Deputy General Manager, HMC Taxila. 3. **Dr. Noor Jamal,** Assistant Prof. PIEAS Islamabad. 4. **Dr. Tanzeelur Rashid,** Assistant Prof. MED, UET Taxila. |
| **3** | Ghulam Mustafa  15-UET/PhD-ME-102 | **Prof. Dr. Shahab Khushnood** | 1. **Prof. Dr. M. Zubair Khan,**   IST, Islamabad   1. **Prof. Dr. Mehmood Anwar Khan**, Department of Mechatronics Engineering, NUST Islamabad. 2. **Dr. Azhar Munir,**   Director HRD AWC Hassanabdal.   1. **Prof. Dr. Khawaja Sajid Bashir**   MED, UET Taxila |

**Item No. 4.** **Credits Hour for MSc Thesis.**

Board suggested that grade for MSc thesis should be allotted as per following guidelines.

* A grade for MSc thesis with International journal publication.
* A- grade for MSc thesis with national journal publication.
* B grade for MSc thesis with International conference publication.
* B- grade for MSc thesis with national conference publication.
* C grade for MSc thesis with no publication.

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

***DIRECTOR, PGS***

***CHAIRMAN***