



# Meeting Minutes

## 3<sup>rd</sup> FRC, Faculty of Engineering Sciences

### August 1, 2017

1. The 3<sup>rd</sup> meeting of Faculty Research committee of Faculty of Engineering Sciences (FRC-ES) was held on August 1, 2017 in the Video Conference Room, Quaid Block at 0930 hours.

### Attendees

---

2. The meeting was attended by the following:

i.	Dr. M. Najam-ul-Islam	Dean FES, Chair (FRC-ES)
ii.	Dr. Tehseen Ullah Khan	HoD EES Dept., IC
iii.	Dr. Haroon Rasheed	HoD EE Dept., KC
iv.	Dr. Tamim A. Khan	HoD SE Dept., IC
v.	Dr. Faisal Bashir	HoD CS Dept., IC
vi.	Dr. Humera Farooq	HoD CS Dept., KC
vii.	Dr. Khurram Shehzad	HoD CE Dept., IC
viii.	Dr. Sohaib Ahmed	HoD CSE Dept., KC
ix.	Dr. Atif Raza Jafri	HoD, EE Dept., IC
x.	Dr. Asim Qureshi	Sr. AP CS Dept., LC
xi.	Dr. Muhammad Muzammal	ASP CS Dept., IC (Secretary FRC-ES)

### Scribe

---

Dr. Muhammad Muzammal (Associate Professor, CS Department, Islamabad Campus)

### Opening Remarks

---

3. The meeting started with the recitation from the Holy Quran. Secretary FRC-ES welcomed the members/participants which was followed by the welcoming remarks from Chair – FRC

### Agenda

---

4. The agenda items prepared by respective PGP Coordinators/HoDs were published a week before the meeting.
  5. The agenda items presented and the decisions taken are as follows.
-

## Corrigendum

---

6. The minutes of the 2<sup>nd</sup> FRC-ES were approved, as corrected.

**Item 2.14. PhD Comprehensive Examination – Mr. Muhammad Khalid 02-281161-001 – EE Department, KC**

**Discussion**

7. HoD EE, KC, presented the case of a PhD student, Mr. Muhammad Khalid, 02-281161-001, working under the supervision of Dr. Haroon Rasheed, for PhD comprehensive examination.
8. The student studied the following courses during his coursework at Bahria University:
- a. Advanced Wireless Communication Systems (Dr. Haroon Rasheed)
  - b. Broadband Technologies and Components (Dr. Haroon Rasheed)
  - c. Research Methodology (Dr. Haroon Rasheed)

**Decision**

9. Following courses and examiners were approved for the comprehensive examination of Mr. Muhammad Khalid:
- a. Advanced Wireless Communication Systems – Dr. Haroon Rasheed
  - b. Wireless Sensor Networks – Dr. Tariq Mairaj
  - c. Optimization Techniques – Dr. Haroon Rasheed
  - d. Broadband Technologies and Components – Dr. Naveed Ali Khan

**Action by:** HoD EE, KC

## Pending Agenda Items

---

10. There were no pending agenda items.

## Fresh Agenda Items

---

### Item 1.1. Appointment of Advisory Committees for PhD Geology Candidates -- EES Department, IC

#### Discussion

11. HoD EES, IC, presented the PhD Geology students for the appointment of advisory committees on the recommendation of DRC.
12. As per PhD Rules 2016, 13.7, the advisory committee for PhD candidates is approved by FRC.

#### Decision

13. The following advisory committees were approved by FRC.

No.	Student Name	Advisory Committee
1	Muhammad Raiees Amjad 01-286162-001	1. Prof. Dr. Tahseenullah Khan 2. Prof. Dr. Mohammad Zafar 3. Dr. Aamir Ali (QAU)
2	Saqib Mehmood 01-286162-002	1. Prof. Dr. Tahseenullah Khan 2. Prof. Dr. Mohammad Zafar 3. Dr. Mumtaz Ali Shah (QAU)
3	Masood Anwar 01-286162-003	1. Prof. Dr. Tahseenullah Khan 2. Prof. Dr. Mohammad Zafar 3. Dr. Amjad Sabir (COMSATS, Abbotabad)

14. HoD EES, IC, is to appoint the advisory committee (PhD-Form 3).

**Action by:** HoD EES, IC

### Item 1.2. PhD Comprehensive Examination – Mr. Raiees Amjad 01-286162-001 – EES Department, IC

#### Discussion

15. HoD EES, IC, presented the case of a PhD student, Mr. Raiees Amjad, 01-286162-001, working under the supervision of Dr. Tahseenullah Khan, for PhD comprehensive examination.
16. The student has studied the following courses during his coursework.
  - a. Clastic Sedimentology (Dr. Muhammad Mujtaba)
  - b. Reservoir Characterization (Muhammad Iqbal Hajana )

- c. Tectonic Evolution of Pakistan (Prof. Dr. Tahseenullah Khan)
- d. Advanced Petroleum Geology (Dr. Birkhez Aslam Shami)
- e. Petroleum Geochemistry (Dr. Samina Jahandad )

**Decision**

17. Following courses and examiners were approved for the comprehensive examination of Mr. Raiees Amjad:

- a. Clastic Sedimentology (Prof. Dr. Tahseenullah Khan)
- b. Reservoir Characterization (Dr. Abid Ali)
- c. Tectonic Evolution of Pakistan (Prof. Dr. Tahseenullah Khan)
- d. Advanced Petroleum Geology (Dr. Abid Ali)

**Action by:** HoD EES, IC

**Item 1.3. PhD Comprehensive Examination – Mr. Saqib Mehmood 01-286162-002 – EES Department, IC**

**Discussion**

18. HoD EES, IC, presented the case of a PhD student, Mr. Saqib Mehmood, 01-286162-002, working under the supervision of Dr. Tahseenullah Khan, for PhD comprehensive examination.

19. The student has studied the following courses during his coursework.

- a. Igneous Petrogenesis (Prof. Dr. Tahseenullah Khan)
- b. Radiogenic Isotopes Geoscience (Dr. Muhammad Zafar)
- c. Tectonic Evolution of Pakistan (Prof. Dr. Tahseenullah Khan)
- d. Advanced Petroleum Geology (Dr. Birkhez Aslam Shami)
- e. Mineral Prospecting and Exploration (Prof. Dr. Tahseenullah Khan)

**Decision**

20. Following courses and examiners were approved for the comprehensive examination of Mr. Saqib Mehmood:

- a. Radiogenic Isotopes Geoscience (Dr. Muhammad Zafar)
- b. Tectonic Evolution of Pakistan (Prof. Dr. Tahseenullah Khan)
- c. Advanced Petroleum Geology (Dr. Abid Ali)
- d. Mineral Prospecting and Exploration (Prof. Dr. Tahseenullah Khan)

**Action by:** HoD EES, IC

**Item 1.4. PhD Comprehensive Examination – Mr. Masood Anwar 01-286162-003 – EES Department, IC**

**Discussion**

21. HoD EES, IC, presented the case of a PhD student, Mr. Masood Anwar, 01-286162-003, working under the supervision of Dr. Tahseenullah Khan, for PhD comprehensive examination.
22. The student has studied the following courses during his coursework.
  - a. Clastic Sedimentology (Dr. Muhammad Mujtaba)
  - b. Reservoir Characterization (Muhammad Iqbal Hajana )
  - c. Tectonic Evolution of Pakistan (Prof. Dr. Tahseenullah Khan)
  - d. Advanced Petroleum Geology (Dr. Birkhez Aslam Shami)
  - e. Petroleum Geochemistry (Dr. Samina Jahandad )

**Decision**

23. Following courses and examiners were approved for the comprehensive examination of Mr. Masood Anwar:
  - a. Clastic Sedimentology (Dr. Muhammad Mujtaba)
  - b. Reservoir Characterization (Muhammad Iqbal Hajana )
  - c. Tectonic Evolution of Pakistan (Prof. Dr. Tahseenullah Khan)
  - d. Advanced Petroleum Geology (Dr. Muhammad Zafar)

**Action by:** HoD EES, IC

**Item 1.5. Appointment of Examiners for MS Thesis Defence – EES Department, IC**

**Discussion**

24. HoD EES, IC, presented the case for approval of Examiners (Internal and External) for thirty-eight (38) MS students, who have submitted their theses for final defence.

### Decision

25. FRC approved the following examination committee for each student.

No.	Student Name	Supervisor	Program	Thesis Title	External Examiner	Internal Examiner
1.	Adil Azeem 01-262152-017	Mr. Fahad Mehmood	MS (Geology)	Stratigraphic And Structural Effects On Cretaceous Formations Produced By Regional Paleo-Highs In The Middle Indus Basin, Pakistan	Mr. Tausif Ahmed	Syed Maqsood Ali Gilani
2.	Ahmed Zeeshan Shaukat 01-262152-018	Mr. Fahad Mehmood	MS (Geology)	Structural And Rock Physics Modelling Using Inverse Approaches For Reservoir Characterization Of Dhurnal Area, Upper Indus Basin, Pakistan	Ms. Urooj Shakir	Mr. Kamran Jafri
3.	Noor.Ul.Ain Ashraf 01-262152-026	Prof. Dr. Tahseenullah Khan	MS (Geology)	Mapping Depositional Geometries, Seismic Attribute Analysis And Rock Physics Of Tajjal Area, Central Indus Basin, Pakistan	Mr. M. Fahad Mehmood	Mr. Aamir Malik
4.	Saad Bin Saeed 01-262152-028	Mr. Fahad Mehmood	MS (Geology)	Eocene And Paleocene Carbonate Reservoir Characterization Using Seismic Inversion And Geological Synthesis Of Dhurnal Area, Upper Indus Basin, Pakistan	Dr. Muhsan Ehsan	Mr. M. Kashif
5.	Mariam Tariq 01-262142-032	Mr. M. Fahad Mehmood	MS (Geology)	Estimation Of Porosity From Seismic Amplitudes Integrated With Comparison Of Water Saturation Calculation	Dr. Abid Ali	Dr. Aamir Ali
6.	Waseem Abbas 01-262142-033	Mr. M. Fahad Mehmood	MS (Geology)	Reservoir Characterization Of Qadirpur Area Using Gassmann Fluid Substitution And AVA Modeling	Ms. Urooj Shakir	Dr. Shazia Asim
7.	Abdul Wasay Bin Zahid 01-262152-001	Mr. Saqib Mehmood	MS (Geology)	Reservoir Characterization And Microfacies Analysis Of Sakesar	Mr. Mumtaz Ali Khan	Dr. Birkhez Aslam

				Limestone, Central Salt Range, Potwar Basin, Pakistan		
8.	Falak Iltaf 01-262152-003	Prof. Dr. Tahseenullah Khan	MS (Geology)	Petrographical And Geochemical Characteristics Of The Murree Formation In Kotli Area Azad Jammu And Kashmir	Mr. Saqib Mehmood	Dr. M. Mujtaba
9.	Saad Ahmed Mashwani 01-262152-008	Mr. Mumtaz Ali Khan	MS (Geology)	Structural Analysis And Geologic Mapping Of Khawri Khwar Section And Adjacent Area, Part Of Kala Chitta Ranges, Nizampur, Khyber Pakhtunkhwa, Pakistan	Mr. Saqib Mehmood	Dr. Sulaiman Khan
10.	Muhammad Khubab 01-262152-006	Mr. Mumtaz Ali Khan	MS (Geology)	Biostratigraphic And Microfacies Analysis Of The Late Cretaceous Kawagarh Formation, Khawri Khwar Section, Nizampur, Khyber Pakhtunkhwa, Pakistan	Prof. Dr. M. Zafar	Mr. Hafiz Shahzad Anjum
11.	Shah Faisal Zeb 01-262152-010	Prof. Dr. M. Zafar	MS (Geology)	Source-Rock Potential And Origin Of Hydrocarbons In The Early Cretaceous Sediments Of The Kohat Sub-Basin, Pakistan	Dr. Tahseenullah Khan	Mr. Mohsin Munir
12.	Bilal Ahmed 01-262142-021	Mr. Saqib Mehmood	MS (Geology)	An Integrated Subsurface Geological And Petrophysical Study For Reservoir Characterization Of Meyal Field Area, Upper Indus Basin, Pakistan	Mr. Raiees Amjad	Mr. Zaheer ud Din Baber
13.	M. Aamir Maqsood 01-262142-024	Mr. Saqib Mehmood	MS (Geology)	Petrophysical, Interpretation, Characteristics And Correlation Of Sinjhora Block, Lower Indus Basin, Pakistan	Mr. Raiees Amjad	Mr. Mohsin Munir
14.	Muhammad Fahad 01-262142-025	Mr. Mustafa Yar	MS (Geology)	Reservoir Characterization And Microfacies Analysis Of Chorgali Formation, Upper Indus Basin, Pakistan	Mr. Mumtaz Ali Khan	Mr. Kamran Jafri

15.	Salman Khurshid 01-262142-026	Mr. Mumtaz Ali Khan	MS (Geology)	Sedimentology And Reservoir Characterization Of Kingriali Formation In Zaluch Nala, Western Salt Range, Pakistan	Mr. Saqib Mehmood	Dr. M. Mujtaba
16.	Omair Ashfaq 01-262142-007	Mr. M. Fahad Mehmood	MS (Geology)	Pore Pressure And Reservoir Analysis Of Joyamir Area, Upper Indus Basin, Pakistan	Dr. Tahseenullah Khan	Mr. Mohsin Munir
17.	Hassan Tariq 01-262152-021	Ms. Urooj Shakir	MS (Geology)	Reservoir Characterization Of Sands Of Cretaceous Age, Lower Goru Formation Using Seismic And Well Data Of Badin Area, Lower Indus Basin, Pakistan	Dr. Muhsan Ehsan	Dr. Aamir Ali
18.	Abdul Rehman Tahir 01-262152-016	Ms. Urooj Shakir	MS (Geology)	Porosity And Velocity Based Seismic Inversion For Reservoir Characterisation Of Lower Goru Sands Of Qadirpur Area, Central Indus Basin Pakistan	Mr. Fahad Mehmood	Yasir Khan Jadoon
19.	Zeeshan Hassan Abbasi 01-262152-015	Prof. Dr. M. Zafar	MS (Geology)	Sequence stratigraphy and reservoir characterization of qadirpur gas field, central indus basin, pakistan	Dr. Abid Ali	Dr. M. Mujtaba
20.	Anza Waheed 01-262152-019	Prof. Dr. M. Zafar	MS (Geology)	Reservoir Characterization using Seismic Inversion Technique and Geological Modeling of Kadanwari Area, Central Indus Basin, Pakistan	Urooj Shakir	Muyassar Hussain
21.	Maryam Shabbir Abbasi 01-263142-005	Prof. Dr. M. Zafar	MS (Geology)	Hydro-politics: A Case Study of Diamer Bhasha Dam	Fiza Sarwar	Dr. Hamid Iqbal
22.	Sumaira Akram 01-262152-047	Prof. Dr. M. Zafar	MS (Geology)	Acarcides Residues in Honey from Various Phytographic regions of Pakistan.	Dr. Said Akbar Khan	Dr. Ashiq Muhammad
23.	Sadia Ashraf 01-262152-038	Dr. Tahseenullah Khan	MS (Geology)	Assessment of Heavy Metals in Soil and their Impacts on Ground Water in Selected Auto-workshop Areas of Rawalpindi and Islamabad	Dr. Said Akbar Khan	Dr. Arshad Ashraf
24.	Maheen Asad 01-262152-037	Prof. Dr. Tahseenullah Khan	MS (Geology)	Comparative Water Quality Analysis of Drinking Water of Ghouri Town and Burma Town Islamabad, Pakistan	Dr. Humera Farah	Dr. Ashiq Muhammad



25.	Basit Ahmed Khan 01-262152-034	Muhammad Khubaib Abuzar	MS (Geology)	Vulnerability mapping of drinking water quality by using geo-statistical modelling and its spatio-temporal variability analysis in Province Punjab, Pakistan	Dr. Aansa Rukya Saleem	Dr. Muhammad Bashir
26.	Hajrah Khanum 01-262152-035	Muhammad Khubaib Abuzar	MS (Geology)	Geospatial Modeling of Groundwater Quality for Sustainable Irrigated Environment of Faisalabad District, Pakistan	Fiza Sarwar	Dr. Rizwan Bulbul
27.	Saba Zaffar 01-262152-045	Muhammad Khubaib Abuzar	MS (Geology)	Arsenic contamination of paddy rice: A case study of Multan District	Dr. Said Akbar khan	Dr. Mazhar Iqbal
28.	Javeria Khalid Niazi 01-263142-004	Muhammad Khubaib Abuzar	MS (Geology)	Copper immobilization by compost in bioventing system under unsaturated conditions	Dr. Asma Jamil	Dr. Azeem Khalid
29.	Syeda Wishal Shahid 01-262152-041	Dr. Said Akbar Khan	MS (Geology)	Assessment of Pollution Load in Shahpur Dam Reservoir, Fatehjang, Pakistan	Syed Umair Ullah Jamil	Dr. Arshad Ashraf
30.	Ayesha Hafeez 01-262152-033	Dr. Said Akbar Khan	MS (Geology)	Assessment of Hydrocarbons in Produced Water Of Sadqal Oil Field Fateh Jung, Punjab, Pakistan and their Impacts on Soil	Dr. Muhammad Zafar	Dr. Ashiq Muhammad
31.	Syeda Hira Bukhari 01-262152-040	Dr. Said Akbar Khan	MS (Geology)	Assessment of physiochemical characteristics of produced water from Dakhni oil field, Attock, Punjab, Pakistan and its effect on surrounding soil	Dr. Asma Jamil	Dr. Hamid Iqbal
32.	Irfan Pervaiz 01-262152-036	Mr. Asif Javed	MS (Geology)	Wind pattern variations due to climate changes and its effects on energy production in Jhimpir region, Sindh, Pakistan	Muhammad Khubaib Abuzar	Dr. Shaukat Iqbal
33.	Rida Shoukat 01-262152-044	Fiza Sarwar	MS (Geology)	Assessment of heavy metals in poultry feed and chicken with	Dr. Aansa Rukya Saleem	Dr. Mazhar Iqbal

				consequent human health risks in Fateh Jang, Punjab, Pakistan.		
34.	Sami Naeem 01-262152-046	Fiza Sarwar	MS (Geology)	Calculating the Carbon Footprints of Public and Private Universities of Islamabad, Pakistan	Muhammad Khubaib Abuzar	Dr. Imran Shahid
35.	Syed Waasif Shoukat 01-262152-048	Syed Umair Ullah Jamil	MS (Geology)	Drinking Water Quality Assessment from Selected Sources of Rawalakot, Azad Kashmir, Pakistan.	Dr. Said Akbar Khan	Dr. Abida Farooqi
36.	Asma Khalil 01-262152-032	Dr. Asma Jamil	MS (Geology)	Determination of Heavy Metals and the Toxicity Potential in Edible Fish of Shahpur Dam, Attock District, Pakistan	Dr. Tahseenullah Khan	Dr. Shaukat Iqbal
37.	Sobia Shaista 01-262152-039	Dr. Aansa Rukya Saleem	MS (Geology)	Assessment of Heavy Metals and Antioxidant Enzyme as Bioindicators with Their Spatial Variation Along The Roadside Vegetation Of Islamabad	Fiza Sarwar	Dr. Sheikh Saeed
38.	Umair Rashad 01-262152-042	Dr. Aansa Rukya Saleem	MS (Geology)	Apportionment Of Pm 10 and Pm 2.5, Their Concentration, Chemical Composition and Spatial Estimation At The Periphery Of Islamabad	Muhammad Khubaib Abuzar	Dr. Azeem Khalid

**Action by:** HoD EES, IC

**Item 1.6. Inclusion of Faculty in the list of Local External Examiners (MS Programs) -- EES Department, IC**

**Discussion**

26. HoD EES, IC, presented CVs of local external examiners for inclusion in the pool of local external examiners.

27. As per MS/MPhil PG Rules 2017, 5.4, local external examiners are to be approved by FRC.

### Decision

28. The following list of examiners was approved for inclusion in the pool of local external examiners. CVs attached as Annex-A.

No.	Name	Research Area	Designation	Affiliation
1	Dr. Irshad Ahmad	Geology	Professor	NCE Geology, Peshawar University
2	DR. Mohammad Tahir Shah	Geology	Vice Chancellor	FATA University
3	Dr. Abbas Ali Naseem	Geochemistry, Geology	Assistant Professor	Earth Sciences Department, Quaid-e-Azam University
4	Dr. Lamuail Bashir	Geophysics	Principal Geoscientist	LMKR, Islamabad, Pakistan
5	Muhammad Jawad Butt	Petroleum Eng. Geosciences	Visiting Faculty	Bahria University, Islamabad
6	Muhammad Awais	Geology	Lecturer	Department of Geology, University of Swabi
7	Omer Aziz	Geology	Senior Geologist,	PGNiG
8	Hamza Naseem Khan	Petroleum Eng. Geosciences	Visiting Faculty	Bahria University, Islamabad
9	Zaheer-ud-Din Babar	Geology	Borehole Geologist	Schlumberger Pakistan

10	Arshad Mahmood Bhutta	Geology	Advisor	NESPAK (GT&GE), Lahore
11	Matloob Hussain	Geophysics	Assistant Professor	Earth Sciences Department, Quaid-e-Azam University
12	Muhammad Kamal	Geophysics	Sr. Processing Geophysicist	South Asia Geophysical Services (SAGEo) Pakistan
13	Dr. Javed Nawab	Environmental Sciences	Assistant Professor	Environmental Sciences Department, University of Swat
14	Dr. Jamshaid Rashid	Environmental Sciences	Assistant Professor	Environmental Sciences Department, Quaid-e-Azam University
15	Dr. Kifayatullah Khan	Environmental Sciences	Assistant Professor	Environmental Sciences Department, University of Swat
16	Dr. Sajida Rasheeda	Environmental Engineering	Section Head	Section Head at Emalah Foundation School and College (EFS & C) (F.G affiliated), Rawalpindi.

**Action by:** HoD EES, IC

#### **Item 1.7. Appointment of Examiners for MS Thesis Defence – CS Department, IC**

##### **Discussion**

29. HoD CS, IC, presented the case for approval of Examiners for seven (07) MS students, who have submitted their theses for final defence.

### Decision

30. FRC approved the following examination committee for each student.

No.	Name Enrollment	Program	Thesis Title	Internal Examiner	External Examiner
1	Muhammad Awais Sarwar 01-244151-052	MS(TN)	Retransmission Adaptive Intelligent MAC (RAI-MAC) for Wireless Body Area Networks	Dr. Moneeb Gohar	Dr. Rizwan Ahmed
2	Muhammad Tauqir 01-244152-079	MS(TN)	An Interference Aware Spectrum Access in Constant Power Cognitive Radio Body Area Networks (CRBANS)	Dr. Faisal Bashir	Dr. Imran Shafi
3	Ijaz Ahmad 01-244141-041	MS(TN)	Sink-to-Sink Coordination Framework for Enhancing Network Performance in IEEE 802.15.4 Cluster Tree	Dr. Faisal Bashir	Dr. Abid Khan
4	Muhammad Rehman Zafar 01-243152-006	MS(CS)	A Context-aware Approach to Urdu News Article Retrieval	Dr. M Muzammal	Dr. Farhan Riaz
5	Qudsia Jamil 01-243152-009	MS(CS)	Abstractive Text Summarization for Urdu Language	Dr. Asfand e Yar	Dr. Hammad Majeed
6	Muhammad Waqas Amin	MS(CS)	Early Prediction of Parkinson's Disease through Computerized Analysis of Handwriting	Dr. Samabia Tehseen	Dr. Abdul Basit
7	Azmat ullah Khan 01-244151-049	MS(TN)	Mobility Management using RPL in Vehicular Ad- hoc Networks	Dr. Kashif Naseer	Dr. Muazzam A Khan

**Item 1.8. Appointment of Foreign Evaluators for PhD Thesis Evaluation, Mr. Taimoor Khan 01-281122-003 -- CS Department, IC****Discussion**

31. Mr. Muhammad Taimoor Khan, 01-281122-003, is a PhD student in the Computer Science Department working under the supervision of Dr. Shehzad Khalid.
32. Mr. Taimoor has submitted his thesis titled, Lifelong Machine Learning Topic Models for Large-scale Aspect Extraction, for evaluation.
33. As per PhD Rules, 5.4, Foreign Evaluators are to be recommended by FRC for onward appointment by the competent authority.

**Decision**

34. Following panel of foreign evaluators is recommended by FRC for onward appointment by the competent authority.

No.	Name	Specialization	Affiliation	Country
1	Dr. Seungmin Rho	Artificial Intelligence, Multimedia retrieval and recommendation Systems	Department of Multimedia, Sungkyul University, Republic of Korea	Korea
2	Dr. Malek Mouhoub	Reasoning under preferences and uncertainty, constraint solving and optimization	Univ. of Regina, Canada	Canada
3	Dr. Murat Komesli	Ontologies, Information Systems, Management Information System, Spatial Decision Support Systems	Department of Software Engineering, Yasar University, Turkey	Turkey
4	Dr. Valentina Emilia Balas	Intelligent Systems, Soft Computing, Fuzzy Systems, Interpolative Fuzzy Controllers, Smart sensors	Associate Professor, Faculty of Engineering, "Aurel Vlaicu" University of Arad	Romania

### Item 1.9. Appointment of Examiners for MS Thesis Defence – CS Department, KC

#### Discussion

35. HoD CS, KC, presented the case for approval of Examiners (Internal and External) for three (03) MS students, who have submitted their theses for final defence.

36.

#### Decision

37. FRC approved the following examination committee for each student.

No.	Name Enrollment	Program	Thesis Title	Internal Examiner	External Examiner
1	Fatima Bashir 02-243152-005	MS(CS)	Student's Learning Performance Evaluation for Flipped Classroom Using Decision Tree	Dr. Humera Farooq	Dr. Hameed Ullah Kazi
2	Muhammad Zeeshan 02-243152-007	MS(CS)	An Ontological Approach for Context Aware Learning for Museum Exhibits using iBeacons	Dr. Osama Rehman	Dr. Ali Hanzala Khan
3	Mona Leeza 02-243142-005	MS(CS)	Automated Detection of Diabetic Retinopathy Through Advance Machine Learning	Dr. Sohaib Ahmed	Dr. Nadeem Mehmood

**Action by:** HoD CS, KC

### Item 1.10. PhD Proposal Defence, Azmat Khan 02-284152-001 – CS Department, KC

#### Discussion

38. HoD CS, KC, presented the case of a PhD student, Mr. Azmat Khan, 02-284152-001, working under the supervision of Dr. Humera Farooq, for appointment of examiners for PhD proposal defence.

**Decision**

39. The following panel of examiners was appointed for PhD proposal defence.

No.	Student Name	Research Topic	Proposal Defense Committee
1	Azmat Khan 02-284152-001	Application of image analysis techniques to visuo-constructive and grapho-motor assessments	Dr. Raheel (Internal Ex.) Dr. Hameed Ullah Kazi (External Ex.) Dr. Ali Hanzala (External Ex.)

**Action by:** HoD CS, KC

**Item 1.11. PhD Comprehensive Examination – Mr. Adnan Abdullah 02-284162-002 – CS Department, KC****Discussion**

40. HoD CS, KC, presented the case of a PhD student, Adnan Abdullah, 02-284162-002 , working under the supervision of Dr. Safdar Ali, for PhD comprehensive examination.

41. The student has studied the following courses during his coursework.

- Network Performance Evaluation (Dr. Naveed Ali)
- Advanced System Modeling and Simulation (Dr. Tariq Miraj)
- Advanced Wireless Communication Systems (Dr. Haroon Rasheed)
- Broadband Technologies and Components (Dr. Safdar)
- Critical Review of Literature (Dr. Safdar)

**Decision**

42. Following courses and examiners were approved for the comprehensive examination of Mr. Adnan Abdullah:

- Network Performance Evaluation (Dr. Naveed Ali)
- Advanced System Modeling and Simulation (Dr. Tariq Miraj)
- Advanced Wireless Communication Systems (Dr. Haroon Rasheed)
- Broadband Technologies and Components (Dr. Safdar)

**Action by:** HoD CS, KC



### Item 1.12. Appointment of Examiners for MS Thesis Defence – EE Department, IC

#### Discussion

43. HoD EE, IC, presented the case for approval of Examiners (Internal and External) for five (05) MS students, who have submitted their theses for final defence.

#### Decision

44. FRC approved the following examination committee for each student.

No.	Name Enrollment	Program	Thesis Title	Internal Examiner	External Examiner
1	Naila 01-244152-038	MS(EE)	Multiple fuel machines power economic dispatch using stud differential evolution	Engr. Jehanzeb Ahmed	Dr. Azhar ul-haq
2	Yasir Ahmed 01-244151-025	MS(EE)	Voltage stability analysis of microgrid	Dr. Muhammad Aamir	Dr. Shaikh Saqib Haroon
3	Tahir Anwar 01-244151-023	MS(EE)	Harmonic analysis of converter fed distribution systems	Dr. Muhammad Aamir	Dr. Fida Muhammad khan
4	Saqib Ahmed 01-244152-030	MS(EE)	Novel hybrid technique to harvest maximum power from PV system	Dr. Asad Waqar	Dr. Shahid Mehmood Khan
5	Muhammad Shahbaz Tanveer 01-244151-057	MS(EE)	Modelling and feasibility analysis of an m-CHP (Micro-combined heat and power) plant	Engr. Jehanzeb Ahmed	Dr. Muhammad Shoaib Khalid

**Action by:** HoD EE, IC

**Item 1.13. PhD Comprehensive Examination – Ms. Nadia Sultan 01-281161-001 – EE Department, IC****Discussion**

45. HoD EE, IC, presented the case of a PhD student, Nadia Sultan, 01-281161-001, working under the supervision of Dr. Saleem Aslam, for PhD comprehensive examination.
46. The student has studied the following courses during her coursework.
- f. Advance Digital Signal Processing (Dr. Saleem Aslam)
  - g. Advance non-linear control systems (Dr. Asif Mehmood Mughal)
  - h. Advanced Engineering Mathematics (Dr. Rizwan UI Haq)
  - i. Modern Control Theory (Dr. Muhammad Najam UI Islam)
  - j. Optimal sampled data control system (Dr. Syed Asim Ali Shah)

**Decision**

47. Following courses and examiners were approved for the comprehensive examination of Ms. Nadia Sultan:
- a. Advance Digital Signal Processing (Dr. Saleem Aslam)
  - b. Advance non-linear control systems (Dr. Asif Mehmood Mughal)
  - c. Advanced Engineering Mathematics (Dr. Rizwan UI Haq)
  - d. Modern Control Theory (Dr. Muhammad Najam UI Islam)

**Action by:** HoD EE, IC

**Item 1.14. Change of Supervisor for PhD Students – EE Department, KC****Discussion**

48. HoD EE, KC, presented the case for change of supervisor for three (03) PhD students.

**Decision**

49. FRC approved the following supervisors for the students.

No.	Student Name	Supervisor	Co-Supervisor
1	Suleman Askari 02-281141-002	Dr. Naveed Ali Khan	Dr. Haroon Rasheed
2	Shah Najam-us-Saqib Mehmood 02-281151-002	Dr. Naveed Ali Khan	--
3	Arshee Ahmed 02-281171-001	Dr. Haroon Rasheed	--

**Action by:** HoD EE, KC

#### **Item 1.15. Appointment of Examiners for PhD Proposal Defence – EE Department, KC**

##### **Discussion**

50. HoD EE, KC, presented the case of three (03) PhD students for the appointment of examiners for PhD Proposal Defence.

##### **Decision**

51. FRC appointed the following examiners for PhD proposal defence.

No.	Student Name	Research Topic	Proposal Defense Committee
1	Taimoor Zafar 02-281142-002	Complex Surface Measurement of Sheet Metal Parts Through Image Processing	Dr. Moazzam Niazi (Internal Ex.) Dr. Hashim Raza agreed (External Ex.) Dr. M. Asif (External Ex.)
2	Muhammad Hussain 02-281151-001	Optimal Resource Allocation in Next Generation Networks	Dr. Osama Rehman (Internal Ex.) Dr. Arshad Aziz (External Ex.) Dr. Arif Iqbal (External Ex.)
3	Muhammad Suleman Askari 02-281141-002	Penetration Potential of Photo Voltaic Generation in The National Grid	Dr. Sohaib Ahmed (Internal Ex.) Dr. Tariq Javaid (External Ex.) Dr. Tahir Qadri (External Ex.)

**Action by:** HoD EE, KC

#### **Item 1.16. Appointment of Examiners for MS Thesis Defence – EE Department, KC**

##### **Discussion**

52. HoD EE, KC, presented the case for approval of Examiners (Internal and External) for three (03) MS students, who have submitted their theses for final defence.

##### **Decision**

53. FRC approved the following examination committee for each student.

No.	Name Enrollment	Program	Thesis Title	Internal Examiner	External Examiner
1	Mohsin Ullah Khan 02-244122-015	MS(EE)	Analysis of Defect on Hot and Cold Roll Coil using Image Processing	Dr. Haroon Rasheed	Dr. Arshad Aziz

2	Rana Saeed 02-244152-029	MS(EE)	Design and simulation of smart grid using ETAP	Dr. Najam Amin	Dr. Mohsin Aman
3	Yumnah Hassan 02-244151-010	MS(EE)	Robust Vehicle Detection and Classification for Urban Environment	Dr. Usama	Dr. Anzar Amir

**Action by:** HoD EE, KC

**Item 1.17. Appointment of Foreign Evaluators for PhD Thesis Evaluation, Ms. Uzma Jamil 01-281121-004 -- CE Department, IC**

**Discussion**

54. Ms. Uzma Jamil, 01-281121-004, is a PhD student in the Computer Engineering Department working under the supervision of Dr. Shehzad Khalid.
55. Ms. Uzma has submitted her thesis titled, Melanoma Versus Nevus Lesions Classification using Dermoscopic, for evaluation.
56. As per PhD Rules, 5.4, Foreign Evaluators are to be recommended by FRC for onward appointment by the competent authority.

**Decision**

57. Following panel of foreign evaluators is recommended by FRC for onward appointment by the competent authority.

No.	Name	Specialization	Affiliation	Country
1	Dr. Gregory G. Slabaugh	Image Processing	University of London, London	UK, London
2	Dr. Sungho Oh	Bio-Medical Imaging, Medical sensors & Patient monitoring technologies	Korea Institute of Machinery & Materials (KIMM), Daegu	Korea
3	Dr. Naima Kaabouch	Embedded Systems, Bioinformatics	University of North Dakota	USA
4	Dr. Mahmood Akhtar	Machine Learning, Image Processing	Western Sydney University, Australia	Australia

**Item 1.18. Appointment of Co-supervisor, Mr. Rashid Aziz 01-281152-004 -- SE Department, IC****Discussion**

58. HoD SE, IC, presented the case of Mr. Rashid Aziz, 01-281152-004, a PhD student in the Software Engineering Department working under the supervision of Dr. Tamim A. Khan, for the appointment of co-supervisor.
59. Dr. Aamer Nadeem, Associate Professor, CUST, Islamabad was proposed as co-supervisor for Mr. Rashid Aziz.

**Decision**

60. FRC approved the appointment of Dr. Aamer Nadeem as co-supervisor of Mr. Rashid Aziz.

**Item 1.19. Appointment of Examiners for PhD Proposal Defence – SE Department, IC****Discussion**

61. HoD SE, IC, presented the case of four (04) PhD students for the appointment of examiners for PhD Proposal Defence.

**Decision**

62. FRC appointed the following examiners for PhD proposal defence.

No.	Student Name	Research Topic	Proposal Defense Committee
1	Mariam Akhtar Kiani 01-281142-002	Trust Aggregation Model for Service Management in Internet of Things (IoT)	Dr. Tamim A. Khan (Internal Ex.) Dr. Irfan ul Haq (External Ex.) Dr. M Mukarram Khan (External Ex.)
2	Syed Rashid Aziz 01-281152-002	Software Fault Prediction for Object Oriented Programs	Dr. Shahid Nazir (Internal Ex.) Dr. Mudassar Azam Sindu (External Ex.) Dr. Onazia Maqbool (External Ex.)
3	Zulfiqar Ali 01-281152-005	Live Long End Devices of LoRaWAN! Welcome to Adaptive Data Rate and Multi-Hop Communication	Dr. Moneeb Gohar (Internal Ex.) Dr. Muazzam A. Khan (External Ex.) Dr. Sajjad Madni (External Ex.)
4	Hassan Bin Naseer 01-281152-003	Context Aware Ad Recommendation in Computational Advertising	Dr. Arif ur Rehman (Internal Ex.) Dr. Usman Qamar (External Ex.) Dr. Hammad Afzal (External Ex.)

**Action by:** HoD SE, IC

**Item 1.20. Appointment of Foreign Evaluators for PhD Thesis Evaluation, Ms. Samina Khalid 01-2881121-002 -- SE Department, IC****Discussion**

63. Ms. Samina Khalid, 01-281121-002, is a PhD student in the Software Engineering Department working under the supervision of Dr. Amina Jameel.
64. Ms. Samina has submitted her thesis titled, Automated Detection of Age Related Macular Degeneration from Fundus and OCT Images, for evaluation.
65. As per PhD Rules, 5.4, Foreign Evaluators are to be recommended by FRC for onward appointment by the competent authority.

**Decision**

66. Following panel of foreign evaluators is recommended by FRC for onward appointment by the competent authority.

No.	Name	Specialization	Affiliation	Country
1	Dr. Gregory G. Slabaugh	Image Processing	University of London, London	UK, London
2	Dr. Sungho Oh	Bio-Medical Imaging, Medical sensors & Patient monitoring technologies	Korea Institute of Machinery & Materials (KIMM), Daegu	Korea
3	Dr. Mahmood Akhtar	Machine Learning, Image Processing	Western Sydney University, Australia	Australia
4	Dr. Naima Kaabouch	Embedded Systems, Bioinformatics	University of North Dakota	USA

**Item 1.21. Appointment of Foreign Evaluators for PhD Thesis Evaluation, Ms. Tehmina Khalil 01-2881121-003 -- SE Department, IC**

**Discussion**

67. Ms. Tehmina Khalil, 01-281121-003, is a PhD student in the Software Engineering Department working under the supervision of Dr. Amina Jameel.
68. Ms. Tehmina has submitted her thesis titled, Automated Detection of Glaucoma using Fundus and OCT Images, for evaluation.
69. As per PhD Rules, 5.4, Foreign Evaluators are to be recommended by FRC for onward appointment by the competent authority.

**Decision**

70. Following panel of foreign evaluators is recommended by FRC for onward appointment by the competent authority.

No.	Name	Specialization	Affiliation	Country
1	Dr. Seungmin Rho	Artificial Intelligence, Multimedia retrieval and recommendation systems	Department of Multimedia, Sungkyul University, Republic of Korea	Korea
2	Dr. Constantino Carlos Reyes Aldasoro	Image Processing, Texture Segmentation Techniques	University of London, London	UK, London
3	Dr. Mohamed Chaker Larabi	Digital Image Processing and Video Processing	Electrical and Computer Engineering Department, University of Poitiers	France
4	Nabeel Younas Khan, PhD	Machine Learning ,Image Processing	Western Sydney University, Australia.	Australia

**Action by:** HoD SE, IC

**Item 1.22. PhD Comprehensive Examination – Mr. Fahad Reyaz 01-281152-001 – SE Department, IC**

**Discussion**

71. HoD SE, IC, presented the case of a PhD student, Fahad Reyaz, 01-281151-001, working under the supervision of Dr. Shahid Nazir Bhatti, for PhD comprehensive examination.
72. The student has studied the following courses during his coursework.
- a. Advance Usability Engineering (Dr. Awais Majeed)
  - b. Data Warehousing & Mining (Dr. Arif ur Rehman)
  - c. Service Oriented Computing (Dr. Awais Majeed)
  - d. Adv. Web Computing Systems and Applications (Dr. Awais Majeed)
  - e. Machine Learning (Dr. M Muzammal)

**Decision**

73. Following courses and examiners were approved for the comprehensive examination of Mr. Fahad Reyaz:
- a. Advance Usability Engineering (Dr. Awais Majeed)
  - b. Data Warehousing & Mining (Dr. Arif ur Rehman)
  - c. Service Oriented Computing (Dr. Tamim A. Khan)
  - d. Adv. Web Computing Systems and Applications (Dr. Raja Muhammad Suleman)

**Action by:** HoD SE, IC

**Item 1.23. PhD Comprehensive Examination – Mr. Farrukh Shahzad Ahmad 01-281162-001 – SE Department, IC**

**Discussion**

74. HoD SE, IC, presented the case of a PhD student, Farrukh Shahzad Ahmad, 01-281162-001, working under the supervision of Dr. Shahid Nazir Bhatti, for PhD comprehensive examination.
75. The student has studied the following courses during his coursework.
- a. Advance Usability Engineering (Dr. Awais Majeed)
  - b. Advanced Data Warehousing (Dr. Arif ur Rehman)
  - c. Advanced Big Data Analytics (Dr. Raja Muhammad Suleman)
  - d. Data Warehousing and Mining (Dr. M Muzammal)
  - e. Machine Learning (Dr. Sumaira Kausar)



### Decision

76. Following courses and examiners were approved for the comprehensive examination of Mr. Farrukh Shahzad:

- Advance Usability Engineering (Dr. Awais Majeed)
- Advanced Data Warehousing (Dr. Arif ur Rehman)
- Advanced Big Data Analytics (Dr. Raja Muhammad Suleman)
- Machine Learning (Dr. Sumaira Kausar)

**Action by:** HoD SE, IC

### Item 1.12. Appointment of Examiners for MS Thesis Defence – EE Department, IC

### Discussion

77. HoD EE, IC, presented the case for approval of Examiners (Internal and External) for six (06) MS students, who have submitted their theses for final defence.

### Decision

78. FRC approved the following examination committee for each student.

No.	Name Enrollment	Program	Thesis Title	Internal Examiner	External Examiner
1	Farrukh Latif 01-244151-031	MS(SE)	Volunteer tasks assignment in humanitarian supply chain: A system dynamics Perspective	Dr. Abdul Baseer Qazi	Dr. Mukhtar Ullah
2	Iqra Manzoor 01-244151-030	MS(SE)	A personalization evaluation model for mobile applications	Dr. Raja M Suleman	Dr. Seemab Latif
3	Amna Khatoon 01-244152-045	MS(SE)	A Trust Evaluation Model for Crowdsensed Data in Humanitarian Needs Assessment in Emergency Situation	Dr. Asfand e Yar	Dr. Usman Qamar
4	Sehrish Alam 01-244152-070	MS(SE)	Quality optimization using value driven requirements prioritization in agile software development process	Dr. Tamim A Khan	Dr. M Imran Babar



5	Adnan Shaukat 01-244151-028	MS(SE)	Maintaining high data utility while preserving data privacy in data publishing	Dr. Muzammal M	Dr. Malik Ahmad Kamran
6	Sanum Zaffar 01-244151-045	MS(SE)	Effect of Computer on Pre-school learner utilizing manual and computerized teaching methodology	Dr. Raja M Suleman	Dr. Seemab Latif

**Action by:** HoD SE, IC

## Closing Remarks

---

79. Chair – FRC-ES summarised the key decisions. In his closing remarks, Chair – FRC thanked the members/participants for contributing to the FRC-ES meeting.

September 18, 2017

---

Prof. Dr. M. Najam-ul-Islam

Chair – FRC, Dean ES