



Meeting Minutes

4th FRC, Faculty of Engineering Sciences

November 24, 2017

1. The 4th meeting of the Faculty Research Committee of the Faculty of Engineering Sciences (FRC-ES) was held on November 24, 2017 in the Video Conference Room, Quaid Block at 1000 hours.

Attendees

2. The meeting was attended by the following:

i.	Dr. M. Najam-ul-Islam	Dean FES, Chair (FRC-ES)
ii.	Dr. Shehzad Khalid	Professor, Director PGP, Director ORIC
iii.	Dr. Amina Jameel	HoD CE Dept., IC
iv.	Dr. Faisal Bashir	HoD CS Dept., IC
v.	Dr. Humera Farooq	HoD CS Dept., KC
vi.	Dr. Sohaib Ahmed	HoD CSE Dept., KC
vii.	Dr. Atif Raza Jafri	HoD, EE Dept., IC
viii.	Dr. Haroon Rasheed	HoD EE Dept., KC
ix.	Dr. Tehseen Ullah Khan	HoD EES Dept., IC
x.	Dr. Mubarak Ali	HoD EES Dept., KC
xi.	Dr. Awais Majeed	HoD SE Dept., IC
xii.	Dr. Muhammad Ramzan	Professor, CS Dept, IC
xiii.	Dr. Tamim A. Khan	Professor, SE Dept., IC
xiv.	Dr. Asim Qureshi	ASP, CS Dept., LC
xv.	Dr. Anzar Alam	ASP, EE Dept., KC
xvi.	Dr. Imran Siddiqi	ASP CS Dept., IC (Secretary FRC-ES)

Opening Remarks

3. The meeting started with the recitation from the Holy Quran. Chair FRC in his welcome note appreciated the contributions of Dr. Muhammad Muzammal who served as Secretary FRC



for about one year and has recently proceeded to study leave. Chair FRC welcomed and introduced the house to Dr. Imran Siddiqi, appointed as Secretary FRC. Chair FRC also welcomed Dr. Muhammad Ramzan as member of the FRC.

Agenda

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

Old Agenda Items

6. There were no old agenda items.

Fresh Agenda Items

Item 4.1 Change of Supervisor PhD (CE) Candidates - CE Department, IC

Discussion

7. HoD CE, IC, presented the case of two PhD students, Ms. Amna Waheed Awan and Ms. Zahra Waheed Awan. Both the candidates are enrolled under supervision of Dr. Khurram Shehzad. Dr. Khurram Shehzad has proceeded to study leave and will not be able to supervise the students. The students requested change of supervisor without any change in the research titles.

Decision

8. The following supervisors were appointed by FRC on recommendation of the DRC.

No.	Student Name	Supervisor
1	Ms. Amna Waheed Awan 01-281171-005	Dr. Amina Jameel
2	Ms. Zahra Waheed Awan 01-281171-006	Dr. Shehzad Khalid

9. HoD CE, IC, is to notify the appointment of the new supervisors (PhD-Form 2A) and seek NOC from the current supervisor, Dr. Khurram Shehzad.

Action by: HoD CE, IC

Item 4.2 Appointment of Advisory Committees for PhD (CE) Candidates - CE Department, IC

Discussion

10. HoD CE, IC, presented the PhD (CE) students for the appointment of advisory committees on the recommendation of DRC.

Decision

11. The following advisory committees were approved by FRC.

No.	Student Name	Advisory Committee
1	Ms. Amna Waheed Awan 01-281171-005	1. Dr. Amina Jameel 2. Dr. Javeed Khalid 3. Dr. Usman Akram (External)
2	Ms. Zahra Waheed Awan 01-281171-006	1. Dr. Shehzad Khalid 2. Dr. Amina Jameel 3. Dr. Usman Akram (External)

12. HoD CE, IC, is to notify the appointment of the advisory committees (PhD-Form 3).

Action by: HoD CE, IC

Item 4.3 Appointment of Examiners for MS Thesis Defence – CS Department, IC

Discussion

13. HoD CS, IC, presented the case for approval of Examiners (Internal and External) for eight MS students, who have submitted their theses for final defence.

Decision

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

No.	Name Enrolment No.	Supervisor	Program	Thesis Title	Internal Examiner	External Examiner
1.	FahimNiaz 01-243161-002	Dr. Shagufta Henna	MS(CS)	Interference Management in Bonded Channel Wireless Body Area Networks based on IEEE 802.15.6	Dr. Moneeb Gohar	Dr. Muazzam Khan Khattak
2.	Ramis Ali 01-243161-007	Dr. Muhammad Asfand-e-yar	MS(CS)	V-LINK – A Naive approach to link Heterogeneous Databases.	Dr. Kashif Naseer	Dr. Rizwan Bulbul

3.	Samia Mushtaq 01-243161-013	Dr. Muhammad Asfand-e-yar	MS(CS)	Business Migration Ontology.	Dr. Awais Majeed	Dr. Mansoor Ahmed
4.	M. Zeeshan Javad 01-243161-016	Dr. Muhammad Asfand-e-yar	MS(CS)	RDF Timestamp; A Plug in for Ontology OWL.	Dr. Sabina Akhtar	Dr. Hammad Afzal
5.	Iqra Rustum 01-243161-004	Dr. Muhammad Asfand-e-yar	MS(CS)	Ontology for SLA-Based Trust Model.	Dr. Raja Suleman	Dr. Mansoor Ahmed
6.	Sabahat Ashfaq 01-243161-017	Dr. Muhammad Asfand-e-yar	MS(CS)	An Ontology Based Integration of Web Analytics Data in E-Commence.	Dr. Raja Suleman	Dr. Hammad Afzal
7.	Sarmad Shafiq 01-243161-008	Dr. Samabia Tehsin	MS(CS)	Acute Lymphoblastic Leukemia Cell Detection and Classification of its Subtypes using Microscopic Images	Dr. Imran Siddiqi	Dr. Abdul Basit
8.	Muhammad Noor-ul-huda 01-243161-006	Dr. Samabia Tehsin	MS(CS)	Automated Detection and Segmentation of Lesions in Retina Images for Classification of Diabetic Retinopathy Stages	Dr. Amina Jameel	Dr. Farhan Riaz

Action by: HoD CS, IC

Item 4.4 Appointment of Supervisors and Advisory Committees for PhD Scholars – CS Department, IC

Discussion

15. HoD CS, IC, presented the case for the approval of supervisors and advisory committees of PhD scholars enrolled in the Fall 2017 semester.

Decision

16. The following supervisors and advisory committees, recommended by the DRC, were approved by FRC.

No.	Student Name	Supervisor	Advisory Committee
1	Saneeha Khalid 01-284172-002	Dr. Shagufta Henna	Dr. Najam ul Islam Dr. Faisal Bashir Dr. Muneeb Gohar
2	Muhammad Waseem 01-284172-001	Dr. Muhammad Muzammal	Dr. Sumaira Kausar Dr. Sabina Akhtar Dr. Asfand-e-Yar

Action by: HoD CS, IC

Item 4.5 Appointment of Examiners for PhD Proposal Defence – CS Department, IC

Discussion

17. HoD CS, IC, presented the case of the following PhD students who have passed their comprehensive exam and have to appear for the research proposal defense.

- Zainab Yousaf Zaidi (01-284152-002); Supervisor: Dr. Amina Jameel
- Safia Shabir (01-284151-001); Supervisor: Dr. Imran Siddiqi
- Joddatt Fatima (01-284152-001); Supervisor: Dr. Amina Jameel

18. Case for the approval of Dr. Imran Malik, SEECs-NUST, as co-supervisor of Ms. Safia Shabbir was also presented.

Decision

19. The following panels were appointed for PhD proposal defence of the three candidates.

No.	Student Name	Research Topic	Proposal Defense Panel
1	Zainab Yousaf Zaidi 01-284152-002	Design and analysis of an efficient algorithm for tuberculosis detection using diagnostic radiology	1. Dr. Imran Siddiqi 2. Dr. Humera Farooq (KC) 3. Dr. Abdul Basit (External) 4. Dr. Farhan Riaz (External)
2	Safia Shabir 01-284151-001	Signature Verification from Hyper-spectral Images	1. Dr. Amina Jameel 2. Dr. Faisal Shafait (External) 3. Dr. Sibte-ul-Hassain (External)
3	Joddatt Fatima 01-284152-001	Analysis of Spinal Cord for Localization and Tracking of Vertebrae Using Image Processing	1. Dr. Sumaira Kausar 2. Dr. Haroon Rasheed (KC) 3. Dr. Faisal Shafait

			(External)
			4. Dr. Asifullah Khan
			(External)

20. Furthermore, Dr. Imran Malik was approved as co-supervisor of Ms. Safia Shabbir.

Appointment to be notified by HoD CS, IC on PhD Form 2B.

Action by: HoD CS, IC

Item 4.6 Recommendation of Foreign Evaluators

Discussion

21. HoD CS, IC, presented the CVs of three foreign experts from technologically advanced countries for recommendation to HERC to include them in the pool of foreign evaluators.

Decision

22. The following experts were approved by FRC for recommendation to the HERC to include these in the pool of foreign evaluators.

No.	Name	Designation	Affiliation	Research Area(s)
1	Dr. Nicole Vincent	Professor	Paris Descartes University, France	Computer Vision & Image Analysis with special focus on Document Images, Video Analysis, Medical Image Analysis
2	Dr. Guray Erus	Sr. Research Investigator	University of Pennsylvania, USA	Image Processing, Machine Learning, Clinical Applications
3	Dr. Arish Asif Qazi	Head, Software Research & Development	ClaroNav Inc., Canada	Image analysis, Image Processing, Medical applications, Pattern recognition

Action by: Chair, FRC, ES

Item 4.7 Inclusion of Experts in the list of Local External Examiners –CS Department, IC

Discussion

23. HoD CS, IC, presented CVs of local experts for inclusion in the pool of local external examiners.

Decision

24. The following list of examiners was approved for inclusion in the pool of local external examiners.

No.	Name	Designation	Affiliation	Research Area(s)
1	Dr. M. Imran Malik	Assistant Professor	SEECs-NUST	Machine Learning, Forensic Analysis, Document Image Processing
2	Dr. Sibte-ul-Hussain	Assistant Professor,	NUCES –FAST	Machine Learning, Computer Vision, Image Processing
3	Dr. Syed Rameez Naqvi	Assistant Professor	CIIT, Wah	Embedded Systems
4	Dr. Majid Iqbal Khan	Associate Professor and HoD Dept. of Computer Sciences	CIIT, Islamabad	Wireless Sensor Networks
5	Dr. Sohail Jabbar	Assistant Professor	National Textile University, Faisalabad	Wireless Communication & Networks

Action by: HoD CS, IC

Item 4.8 Appointment of Examiners for MS Thesis Defence – E&ES Department, IC

Discussion

25. HoD E&ES, IC, presented the case for approval of Examiners (Internal and External) for twenty three MS students, who have submitted their theses for final defence.

Decision

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

No	Name/ Enrolment No.	Supervisor	Thesis Title	Internal Examiner	External Examiner
1.	Muhamad Muti ur Rahman 01-262142-003	M. Fahad Mehmood	Seismic sequence stratigraphic and attributes analysis integrated with petrophysical analysis of Kadinwari area, Middle Indus Basin Pakistan	Urooj Shakir	Dr. Aamir Ali
2.	Sikandar Masood 01-262142-009	Adil Naseer	Seismic Interpretation and Geostatistical reservoir modeling of Miano Field, Central Indus basin Pakistan	M. Fahad Mehmood	Hafiz M. Shahzad Anjum

3.	Uroosa Qamer 01-262142-012	Prof. Dr. Tahseenullah Khan	AVO Modeling based Rock Physics and Elastic Impedance analysis of Kadanwari Area, Central Indus Basin, Pakistan	Dr. Abid Ali	Muyassar Hussain
4.	Abdul Kareem 01-262142-031	Adil Naseer	Seismic interpretation and reservoir characterization of Sawan field, Central Indus basin Pakistan	M. Raiees Amjad	Matloob Hussain
5.	Awais Rasul 01-262152-020	M. Raiees Amjad	Facies Analysis and Reservoir Characterization of Sembar Formation, Lower Indus Basin, Pakistan	Tausif Ahmed	Dr. M. Mujtaba
6.	Junaid Ahmed Abbasi 01-262152-023	M. Fahad Mehmood	Integrated Geophysical Technique for Characterization of Cretaceous Reservoir Khipro Gas Field	Dr. Muhsan Ehsan	Muhammad Kamran Jafri
7.	Syed M. Fahad Bukhari 01-262152-030	Urooj Shakir	Porosity Prediction And Impedance Log Generation of Sands of Cretaceous Age by Seismic Inversion of Pirkoh Gas Field, Central Indus Basin Pakistan	M. Fahad Mehmood	Dr. Lamuail Bashir
8.	Usman Naveed 01-262152-031	M. Raiees Amjad	Hydrocarbon Potential Evaluation of Offshore Indus Basin, Pakistan	Urooj Shakir	Muhammad Kamal
9.	Syed Hamid Raza Gilani 01-262142-010	Saqib Mehmood	Seismic Based Structural Interpretation And Petrophysical Analysis Along With Pore Pressure Studies, Dhodak Area, Central Indus Basin, Pakistan	Tausif Ahmed	Muhammad Kashif
10.	Amir Riaz 01-262142-019	Prof. Dr. Tahseenullah Khan	Petrophysical Analysis Along with Stratigraphic Correlation Of Punjpir-1 And Panjpir-5 Wells, Central Indus Basin, Pakistan	Saqib Mehmood	Irfan Muhammad
11.	Jahanzaib Ali Syed 01-262142-023	Adil Naseer	Evaluation of Reservoir Quality In Lower Goru Sands of Sawan Wells, Central Indus Basin, Pakistan	Prof. Dr. Tahseenullah Khan	Dr. Birkhez Aslam Shami

12.	Khawaja Aftab Ahmed 01-262142-027	Prof. Dr. M. Zafar	Petrophysical Analysis and Stratigraphic Correlation of Zaur-01 And Zaur03 Wells, Badin Block, Lower Indus Basin, Pakistan	M. Raiees Amjad	Hafiz Muhammad Shahzad Anjum
13.	Uzair Ahmad 01-262142-030	M. Raiees Amjad	Formation Evaluation of Cretaceous Strata InPunjab Platform, Middle Indus Basin, Pakistan	Tausif Ahmed	Dr. Lamuail Bashir
14.	Sardar M. Umer Farooq 01-262142-022	Prof. Dr. Tahseenullah Khan	Organic Geochemistry and Source Rock Potential Assessment of Chhidru Formation, Upper Indus Basin, Pakistan	Prof . Dr. M. Zafar	Dr. M. Mujtaba
15.	Hasan Ali 01-262142-034	M. Raiees Amjad	Petrophysical And Geothermal Properties for Mesozoic Strata in Northern Part of Punjab Platform, Central Indus Basin, Pakistan	Mumtaz Ali Khan	Matloob Hussain
16.	Ali Raza 01-262152-002	Masood Anwar	Formation Evaluation and Pore Pressure Prediction of Jabo Field, Southern Indus Basin, Pakistan.	Saqib Mehmood	Irfan Muhammad
17.	Muhammad Atif Zafar 01-262152-004	Tausif Ahmed	Facies Modelling and Reservoir Evaluation of Mesozoic Sequence of Sawan Gas Field, Central Indus Basin, Pakistan	Urooj Shakir	Mohsin Munir
18.	Muhammad Kamran 01-262152-005	Tausif Ahmed	Petrophysical Interpretation of Early Cretaceous Sequence, Lower Indus Basin, Pakistan.	M. Raiees Amjad	Dr. Lamuail Bashir
19.	Muhammad Rizwan 01-262152-007	Tausif Ahmed	Tectono-Stratigraphic Evolution of The Zamzama Gas Field, Kirthar Fold Belt, Lower Indus Basin, Pakistan (With Special Emphasis on Development and Distribution of Petroleum System Elements Within the Study Area)	Saqib Mehmood	Dr. Birkez Aslam Shami
20.	Shabir Hussain 01-262152-009	Saqib Mehmood	Reservoir Characterization and Cut-Off Determination to Calculate Volumetric Reserves of Lower Guru Formation in Kadanwari Field,	Masood Anwar	Mohsin Munir

			Lower Indus Basin Pakistan		
21.	Syed Huzaifa Hussain 01-262152-012	Mustafa Yar	Microfacies Analysis and Diagenetic fabric Of Eocene Chorgali Formation, Balakot Area, Pakistan.	Prof. Dr. Tahseenullah Khan	Dr. M. Mujtaba
22.	Syed Waqas Haider 01-262152-013	Mustafa Yar	Sedimentology, Sequence Stratigraphy and Facies Modeling of Permian Tobra Formation	Mumtaz Ali Khan	Dr. M. Mujtaba
23.	Tassawar Hayat 01-262152-014	Prof. Dr. Tahseenullah Khan	Tectono-Stratigraphic Evolution of Mesozoic Sequence, Miano Gas Field Central Indus Basin, Pakistan	Tausif Ahmed	Hafiz M. Shahzad Anjum

Action by: HoD EES, IC

Item 4.9 Inclusion of Experts in the list of Local External Examiners (Geology and Geophysics Programs) – E&ES, IC

Discussion

27. HoD E&ES, IC, presented CVs of local experts for inclusion in the pool of local external examiners.

Decision

28. The following list of examiners was approved for inclusion in the pool of local external examiners.

No.	Name	Designation	Affiliation	Research Area(s)
1	Dr. Irfan U. Jan	Associate Professor	National Centre of Excellence (NCE) in Geology, University of Peshawar, Pakistan	Geology
2	Dr. Muhammad Hanif	Associate Professor	NCE in Geology, University of Peshawar, Pakistan	Geology
3	Dr. Nimat Ullah Khattak	Professor, Director, NCE in Geology, University of Peshawar, Pakistan	NCE in Geology, University of Peshawar, Pakistan	Geology
4	Mr. Mustafa Yar	Lecturer, Head of Department	FATA University, Darra Adam Khel, F.R Kohat	Geology

5	Mr. Mujtaba Mehmood Mongat	Exploration Geophysicist	AEPL, Pakistan	Geophysics
6	Dr. Muhammad Iqbal Hajana	Sr. Geophysicist	Weatherford	Geophysics

Action by: HoD E&ES, IC

Item 4.10 Inclusion of Experts in the list of Local External Examiners – E&ES, KC

Discussion

29. HoD E&ES, KC, presented CVs of local experts for inclusion in the pool of local external examiners.

Decision

30. The following list of examiners was approved for inclusion in the pool of local external examiners.

No.	Name	Designation	Affiliation	Research Area(s)
1	Dr. Iqbal Hussain Hashmi	Ex Prof.	Jamshoro University, Karachi	Chemistry
2	Dr. Afzal Farooq	Ex Prof.	Federal Urdu University, Karachi	Environmental Sciences
3	Dr. Ahmad Hussain	Prof.	Energy & Environment Hamdard University, Karachi	Energy & Environment
4	Dr. Mohammad Shafiq	Group Head	SUPARCO Karachi	Glacier Hydrology & Hazards
5	Dr. Hussain. H. Rizvi	Manager Scientific Research	SUPARCO Karachi	Soil Sciences
6	Dr. Muhammad Mansha	Head	SUPARCO Karachi	Chemical Engineering
7	Dr. Arshad Javed Rizvi	Associate Prof.	Sir Syed University, Karachi	Sociologist
8	Dr. Gul-e-Rana	Scientific Officer	PCSIR, Karachi	Chemical Engineering
9	Dr. Zafer Shams	Asst. Prof.	Karachi of University	Environmental Sciences
10	Dr. Hina Baig	Sr. Research Scientist	NIO, Karachi	Marine Sciences

Action by: HoD E&ES, KC

Item 4.11 Recommendation of Foreign Evaluators

Discussion

31. HoD E&ES, KC, presented the CVs of five foreign experts from technologically advanced countries for recommendation to HERC to include them in the pool of foreign evaluators.

Decision

32. The following experts were approved by FRC for recommendation to the HERC to include these in the pool of foreign evaluators.

No.	Name	Designation	Affiliation	Research Area(s)
1	Dr. Sandeep Kumar	Associate Prof.	ODU, Virginia, USA	Civil & Environment Engineering
2	Dr. Norhan Abd. Rahman	Associate Prof.	University of Malaysia	Geo- Environment
3	Dr. Masaki Onozaki	Director	Institute of Applied Energy, Japan	Applied Energy
4	Dr. Iqbal Ahmed	Associate Prof.	University of Malaysia Pahang	Chemical Engineering

Action by: Chair, FRC, ES

Item 4.12 Inclusion of Experts in the list of Local External Examiners – EE, IC

Discussion

33. HoD EE, IC, presented CVs of local experts for inclusion in the pool of local external examiners.

Decision

34. The following list of examiners was approved for inclusion in the pool of local external examiners.

No.	Name	Designation	Affiliation	Research Area(s)
1	Dr. Aamir Akhtar Siddiqui	Senior Quality Control Engineer	Public Sector Organization	Communication, Controls and digital signal processing
2	Engr. Dr. Noman Naseer	Assistant Professor	Air University	Brain-computer interface (BCI)/ interface (BRI), Artificial Intelligence spectroscopy/ Instrumentation/ Data Acquisition Systems, Image Processing

3	Dr. Muhammad Rehan	Associate Professor	PIEAS	Control Systems, Anti-windup design and implementation, Adaptive systems and adaptive control, Consensus control of multi-agent systems,
4	Dr. Adnan Masood	Associate Professor	EME College, NUST	Microwave resonators for highly sensitive compositional, analysis of solvents in microcapillary systems, Semiconductor device physics.
5	Dr. Arsalan Ansari	Head of the Department, Electronics Systems Engineering	Dawood University of Engineering and Technology , Karachi	DC-DC converters for electric vehicles, Multi-level inverters for Photovoltaics and fuel cells.
6	Dr. Syed Sabir Hussain Bukhari	Assistant Professor	Sukkur IBA University	Power Electronics, Electrica Machines Design.
7	Dr. Dost Muhammad Saqib	Assistant Professor	Dawood University of Engineering and Technology , Karachi	Wireless Communication, Digital Signal Processing and Digital Communication, tracking of a primary user in cognitive radio networks for 5G communications.
8	Dr. Engr. Umer Javeed	Assistant Professor	International Islamic University	Digital image processing ,Information and Coding theory, Error correcting codes , image encoding and data compression,
9	Dr. Khurram Javed	Assistant Professor	PIEAS	Power Electronics, VLSI, Power management IC design, Circuit Analysis, Electronics

Action by: HoD EE, IC

Item 4.13 Appointment of Examiners for MS Thesis Defence – EE Department, IC

Discussion

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

Decision

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

No	Name / Enrolment No.	Supervisor (CoSupervisor)	Thesis Title	Internal Examiner	External Examiner
1	Bilal Idrees 01-244152-007	Engr. Jehanzeb Ahmad (Dr. M Najam Ul Islam)	Modeling and simulation of Pakistan Electricity requirements for next 30 years.	Dr. Asad Waqar	Dr. Shahid Mehmood Khan
2	Rashid Iqbal 01-244142-054	Dr. M. Amin (Dr. Imtiaz Alam)	Performance of non-composites for high voltage insulation under DC stress.	Engr. Jehanzeb Ahmad	Dr. Fida Muhammad Khan
3	Saima Gull 01-244152-029	Dr. Imtiaz Alam	The Analysis of surface wave guide for propagating of radio waves in UHF band.	Dr. Junaid Imtiaz	Dr. Ali Imran Najam
4	Luqman Ali 01-244152-013	Dr. Imtiaz Alam	The effect of refractivity with evaporation duct at different frequencies and path lengths	Dr. M Najam Ul Islam	Dr. Naveed Mufti
5	Saba Ejaz 01-244152-028	Engr. Jehanzeb Ahmad	Modeling and simulation of CPEC Energy Power Projects Using LEAP Software.	Dr. Muhammad Aamir	Dr. Syed Haider Abbas
6	Rizwan Hanif 01-244152-027	Dr. Asad Waqar	Multiple Objective Economic Dispatch of Microgrid with Integrated V2G.	Dr. Muhamamd Aamir	Dr. Shaikh Saqib Haroon
7	Qurat ul Ain 01-244152-026	Dr. Saleem Aslam	Channel Assignment in device to device Communication.	Dr. Atif Jaffri	Dr. Awais Azam
8	Fareeha Anwar 01-244151-005	Dr. Asad Waqar	Optimal sizing and selection of DERs in microgrid.	Engr. Jehanzeb Ahmad	Dr. Fida Muhammad Khan
9	Aniqa Tahir 01-244142-037	Dr. M Najam Ul Islam	Formal Security Analysis of EPC C1C2 RIFD Authentication protocols.	Dr. Imtiaz Alam	Dr. Tassadaq Hussain

Action by: HoD EE, IC

Item 4.14 PhD Comprehensive Examination – Ms. Madiha Khalid – EE Department, IC

Discussion

37. HoD EE, IC, presented the case of PhD candidate Madiha Khalid, Enrolment no: 01-281162-002, who is likely to complete her course work at the end of the current semester.
38. The student has studied the following technical courses during her coursework.
- a. Advanced Network Security (Dr. Faisal Bashir)
 - b. Communication Networks Architecture and Protocols (Dr. Saleem Aslam)
 - c. Advanced Engineering Mathematics (Dr. Rizwan Ul Haq)
 - d. Advanced Crypt-Analysis Models for IoTs (Dr. M Najam Ul Islam)
 - e. Embedded Systems Design for Telecommunications (Dr. Atif Jaffri)

Decision

39. Subject to the clearance of course work, the following courses and examiners were approved for the comprehensive examination of Ms. Madiha Khalid.
- a. Advanced Network Security (Dr. Faisal Bashir)
 - b. Communication Networks Architecture and Protocols (Dr. Saleem Aslam)
 - c. Advanced Crypt-Analysis Models for IoTs (Dr. M Najam Ul Islam)
 - d. Embedded Systems Design for Telecommunications (Dr. Atif Jaffri)

Action by: HoD EE, IC

Item 4.15 PhD Comprehensive Examination – Mr. Kashif Naseer – EE Department, IC

Discussion

40. HoD EE, IC, presented the case of PhD candidate Kashif Naseer, Enrolment no: 01-281162-004, who has completed his course work.
41. The student has studied the following technical courses during her coursework.
- a. Advanced Digital System Design (Dr. Khurram Shehzad)
 - b. Communication Networks Architecture and Protocols (Dr. Saleem Aslam)
 - c. Advanced Engineering Mathematics (Dr. Rizwan Ul Haq)
 - d. Advanced Digital Signal Processing (Dr. Amina Jameel)
 - e. Cognitive & Software Defined Radio (Dr. Atif Jaffri)

Decision

42. The following courses and examiners were approved for the comprehensive examination of Mr. Kashif Naseer.

- a. Advanced Digital System Design (Dr. Khurram Javed)
- b. Communication Networks Architecture and Protocols (Dr. Saleem Aslam)
- c. Advanced Digital Signal Processing (Dr. Amina Jameel)
- d. Cognitive & Software Defined Radio (Dr. Atif Jaffri)

Action by: HoD EE, IC

Item 4.16 PhD Comprehensive Examination – Muneeb Yaqoob – EE Department, IC

Discussion

43. HoD EE, IC, presented the case of PhD candidate Muneeb Yaqoob, Enrolment no: 01-281171-001, who is likely to complete his course work at the end of the current semester.

44. The student has studied the following technical courses during his coursework.

- a. Advanced Power Electronics (Dr. Asad Waqar)
- b. Advanced Topics in Power Systems Engineering (Dr. Muhammad Amir)
- c. Smart Grid System Operation (Dr. Zeeshan Hameed Khan)
- d. Advanced Power System Analysis (Dr. Intisar Ali)
- e. Modern Control Theory (Dr. Asif Mehmood)

Decision

45. Subject to the clearance of course work, the following courses and examiners were approved for the comprehensive examination of Mr. Muneeb Yaqoob.

- a. Advanced Power Electronic (Dr. Asad Waqar)
- b. Advanced Topics in Power Systems Engineering (Dr. Muhammad Amir)
- c. Smart Grid System Operation (Dr. Zeeshan Hameed Khan)
- d. Advanced Power System Analysis (Dr. Intisar Ali)

Action by: HoD EE, IC

Item 4.17 Appointment of Examiners for PhD Proposal Defence – EE Department, IC**Discussion**

46. HoD EE, IC, presented the case of PhD student Ms. Nadia Sultan, Enrolment no: 01-281161-001, who has passed her comprehensive exam and has to appear for the research proposal defense.

Decision

47. The following panel was appointed for PhD proposal defence of Ms. Nadia Sultan.

No.	Student Name	Research Topic	Proposal Defense Panel
1	Nadia Sultan 01-281161-001	Non Linear Control Synthesis of Human Voluntary Movement.	1. Dr. Zeeshan Hameed Khan 2. Dr. Anzar Alam (KC) 3. Dr. Ammar Hassan (Ext) 4. Dr. Noman Naseer (Ext)

Action by: HoD EE, IC

Item 4.18 Appointment of Co-Supervisors: PhD Candidates – SE Department, IC**Discussion**

48. HoD SE, IC presented the case for the appointment of co-supervisors for three PhD students.

Decision

49. FRC approved the recommended co-supervisors for the PhD students, summarized in the following.

No.	Name Enrolment No.	Supervisor	Co-Supervisor
1	Sadia Ashraf (Enrol No: 01-281152-005)	Dr Tamim A Khan	Dr Raja M Suleman
2	Hassan Bin Naseer (Enrol No: 01-281152-003)	Dr Awais Majeed	Dr Raja M Suleman
3	Khurram Mustafa Abbasi (Enrol No: 01-281152-002)	Dr Tamim A Khan	Dr Irfan ul Haq

Action by: HoD SE, IC

Item 4.19 Appointment of Examiners for MS (SE) Theses Defence – SE Department, IC

Discussion

50. HoD SE, IC, presented the case for approval of Examiners (Internal and External) for MS (SE) students, who have submitted their theses for final defence or will be doing so within the next few weeks.

Decision

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

No	Name Enrolment No.	Supervisor	Thesis Title	Internal Examiner	External Examiner
1	Ali Raza Ahmed 01-244152-044	Dr. Shahid Nazir Bhatti	Roles and impact of Metrics in Scrum Software Development	Dr. Tamim A Khan	Dr. Imran Babar
2	Zainab Sultan 01-244152-074	Dr. Shahid Nazir Bhatti	Application of Tacit Knowledge: Extraction and Visualization on Software Requirements Specification	Dr. Awais Majeed	Dr. Khalid Saleem
3	Rabiya Abbas 01-244152-063	Dr. Shahid Nazir Bhatti	Requirement Based Test Case Prioritization Methodology via Weight Factors	Dr. Tamim A Khan	Dr. Fahim Arif
4	Hasnain Yousaf 01-244152-049	Dr. Raja M Suleman	A Machine Learning Approach to Classify Student Emotions from Text	Dr. Sumaira Kausar	Dr. Arslan Shaukat
5	Muhammad Tayyab 01-244152-059	Dr. Shahid Nazir Bhatti	Analytical Enhancement of Effort Estimation in Agile Development	Dr. Awais Majeed	Dr. Irum Inayat
6	Syed Muqtada Hussain 01-244152-068	Dr. Shahid Nazir Bhatti	An Empirical Study of Component based Software Development process for Evolving a Legacy System	Dr. Raja M Suleman	Dr. Onaiza Maqbool
7	Waqas Ahmad 01-244161-016	Dr. Tamim A Khan	Determining the Barriers and enablers to adoption and diffusion of e-Learning in Primary School using Analytical Hierarchical Process	Dr. Raja M Suleman	Dr. Seemab Latif
8	Navid Ali Khan 01-241161-012	Dr. Tamim A Khan	Fault Model for False Positives in Web Security Testing Scanners	Dr. Shahid Nazir Bhatti	Dr. Irfan ul Haq
9	Sahar Akhtaar 01-241161-014	Dr. Tamim A Khan	Monitoring Impact of Emotional Changes of Student in Educational Environment	Dr. Shahid Nazir Bhatti	Dr. Hammad Afzal
10	Kinza Faisal Jamal 01-241161-008	Dr. Raja M Suleman	Part of Speech Tagger for Urdu Using Semi Supervised Machine Learning	Dr. Samabia Tehseen	Dr. Arslan Shaukat
11	Faiza Latif 01-241161-005	Dr. Muhammad	Supervised Machine Learning Techniques To Classify Software	Dr. Tamim A Khan	Dr. Muhammad

		Asfand-e-yar	Requirements		Imran Babar
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Action by: HoD SE, IC

Item 4.20 Inclusion of Experts in the list of Local External Examiners – Department of SE, IC

Discussion

52. HoD SE, IC, presented CVs of local experts for inclusion in the pool of local external examiners.

Decision

53. The following list of examiners was approved for inclusion in the pool of local external examiners.

No.	Name	Designation	Affiliation	Research Area(s)
1	Dr. Faheem Qaisar Jamal	Associate Professor	EME-NUST	Organizational Behaviour, Organizational Change, Organizational Psychology, Human Resource Management, Supply Chain Management, Project Management.
2	Dr. Muhammad Irfanullah Arfeen		CASE	e-Governance, e-Government, Management of Technology, Management Information System, Project Management.
3	Dr. Sabeen Hussain Bhatti	Assistant Professor	SZABIST,	Project Quality Management, Engineering Management, Innovation and Technology Management
4	Dr. Muhammad Tahir Nawaz	Professor	EME - NUST	Practical Engineering Management, Logistics Management, Human Resource Management, Total Productivity Management, HiTech Equipment/Vehicle Maintenance Management, Hazards and Risk Management and Project Management.
5	Dr. Engr. Ansir A. Rajput	Associate Professor	CUST	Entrepreneurship, Venture Creation, Entrepreneurial Marketing, Digital Marketing
6	Dr. Yasir Ahmad	Assistant Professor	EME-NUST	Engineering management, strategic management and technology management
7	Dr. Syed Muhammad Ali	Assistant Professor	EME-NUST	Employees Behavior, Knowledge Management & HRM
8	Dr. Yasir Ahmad	Assistant Professor	EME-NUST	Engineering management, strategic management and technology management

Action by: HoD SE, IC

Item 4.21 Appointment of Examiners for MS (EM) Theses Defence – SE Department, IC

Discussion

54. HoD SE, IC, presented the case for approval of Examiners (Internal and External) for MS (EM) students, who have submitted their theses for final defence or will be doing so within the next few weeks.

Decision

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

No	Name Enrolment No.	Supervisor	Thesis Title	Internal Examiner	External Examiner
1	Syed Faisal Anwar 01-246161-009	Dr. Muhammad Ismail Ramay/Dr Zahoor Sarwar	Green Supply Chain Management in Manufacturing Organizations of Pakistan: Practices and Performance	Dr. Abdul Baseer Qazi	Dr. Sabeen Hussain Bhatti
2	Maria Asghar 01-246161-006	Dr Tamim A Khan/ Dr Zahoor Sarwar	Effect of Gender on Creative Climate of an Organization	Dr. Hafiz Mushtaq	Dr. Sabeen Hussain Bhatti
3	Hafza Zaman 01-246161-011	Dr Tamim A Khan Dr Zahoor Sarwar	Risk Assessment in Oil & Gas Industry	Bilal Ashraf Awan	Dr Syed Muhammad Ali
4	Muhammad Haris Naseer Khan 01-246161-008	Dr Sheikh Zahoor Sarwar	Impact of Pricing Strategies on New Product of Engineering Sector	Dr. Ismail Ramay	Dr Ansar Rajput
5	Mehak Asghar 01-246161-007	Dr Sheikh Zahoor Sarwar	Challenges and Issues in IoT Adoption in Healthcare	Dr Najam-ul-Islam	Dr Irfan ul Haq
6	Maham Khalid (01-246161-005)	Dr Sheikh Zahoor Sarwar	Impact of Change Management in an Engineering Organization	Dr Ismail Ramay	Dr Ansar Rajput
7	Faisal Ayaz (01-246161-003)	Dr Abdul Baseer Qazi	Conflict Management Approaches for Team Effectiveness and Innovation: A Study of Pakistan's ICT Firms	Dr Tamim A Khan	Dr. Tahir

Action by: HoD SE, IC

Item 4.22 Appointment of Examiners for MS Thesis Defence – CS Department, KC**Discussion**

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

Decision

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

No.	Name / Enrolment No.	Supervisor	Thesis Title	Internal Examiner	External Examiner
1	Muhammad Talha Alam	Dr. Humera Farooq	Exploration of Outdoor Corporeal Events with Mobile EEG	Dr. Rizwan	Dr. Nadeem Mehmood
2	Muhammad Noman Khalid	Dr. Humera Farooq	Comparison and Effective Penetration Testing Approach For WEB Vulnerabilities Detection Based on Machine Learning	Dr. Tamim A Khan	Dr. Sufian Hameed

Action by: HoD CS, KC

Item 4.23 Cancellation of Admission PhD Scholar – CS Department, KC**Discussion**

58. HoD CS, KC, presented the case of PhD student Mr. Bilal M. Iqbal (Enrollment No. 02-284151-001) who has requested cancellation of his PhD admission due to domestic issues.

Decision

59. FRC suggested that the student should initiate withdrawal request rather than cancellation of admission. The request will be processed by the department as per existing policies.

Action by: HoD CS, KC

Item 4.24 Appointment of Supervisors/Co-Supervisors and Advisory Committees for PhD Scholars – CS Department, KC**Discussion**

HoD CS, KC, presented the case for the approval of supervisors/Co-supervisors and advisory committees of PhD scholars enrolled in the Fall 2017 semester.

Decision

60. The following supervisors and advisory committees, recommended by the DRC, were approved by FRC.

No.	Student Name	Supervisor	Co-Supervisor	Advisory Committee
1	Mr. Muzammil Ahmed 02-284172-001	Dr. Syed. Safdar Rizvi	-	1. Dr. S. Safdar 2. Dr. Ghulam 3. Dr. Taha Jilani (External)
2	Ms. Samina Javiad 02-284172-002	Dr. Syed. Safdar Rizvi	Dr. Humera Farooq	1. Dr. Humera Farooq 2. Dr. Raheel Siddiqi 3. Dr. Hameed-ullah Kazi (External)

Action by: HoD CS, KC

Item 4.25 Appointment of Examiners for MS (EE) These Defence – EE Department, KC

Discussion

61. HoD EE, KC, presented the case for approval of Examiners (Internal and External) for an MS (EE) student who has submitted his thesis for final defence.

Decision

62. FRC approved the following examination committee for the student.

No	Name Enrolment No.	Supervisor	Thesis Title	Internal Examiner	External Examiner
1	Ayaz Hussain 02-244152-001	Dr. Haroon Rasheed	Performance Analysis of Indoor Power Line Communication	Dr. Naveed Ali Khan	Dr. Sajjad Zaidi

Action by: HoD EE, KC

Item 4.26 Appointment of Advisory Committees for PhD Scholars – EE Department, KC

Discussion

HoD EE, KC presented the case for the approval of advisory committees of PhD scholars enrolled in the Fall 2017 semester.

Decision

63. The following supervisors and advisory committees, recommended by the DRC, were approved by FRC.



No.	Student Name	Supervisor	Advisory Committee
1	Atazaz Hussain 02-281172-001	Dr Najam Amin	1. Dr. Haroon Rasheed 2. Dr. Naveed Ali Khan 3. Dr. Safdar
2	M Faisal Siddiqui 02-281172-002	Dr Najam Amin	1. Dr. Haroon Rasheed 2. Dr. Naveed Ali Khan 3. Dr. Anzar Alam

Action by: HoD EE, KC

Closing Remarks

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

December 26, 2017

Prof. Dr. M. Najam-ul-Islam

Chair – FRC, Dean ES