



Meeting Minutes

8th FRC, Faculty of Engineering Sciences

January 29, 2019

Contents

Attendees	4
Opening Remarks	4
Agenda	5
Previous Agenda Items	5
Item 6.40 Policy on Plagiarism – PhD Rules	5
Item 6.41 Mechanism for Utilization of Research Funds	5
ERRATUM: Item 7.11 Transfer of Credits – MS Student M. Haroon Khalid – CS Dept. IC	6
Fresh Agenda Items	6
Item 8.1 Change of Supervisors/Co-Supervisors and Advisory Committees for PhD Students – EE Department, IC	6
Item 8.2 Appointment of Examiners for MS Thesis Defense – EE Department, IC	7
Item 8.3 Extension in Time Bar of PhD Scholar – EE Department, IC	8
Item 8.4 Change of Examiner, PhD Comprehensive Exam - EE Department, IC	9
Item 8.5 Appointment of Examiners for PhD Comprehensive Exam - EE Department, IC	10
Item 8.6 Cancellation of Admission: PhD Candidate - EE Department, IC	10
Item 8.7 Change in Course of PhD Comprehensive Exam - EE Department, IC	11
Item 8.8 Appointment of Examiners for MS Thesis Defense - EES Department, IC	12
Item 8.9 Appointment of Advisory Committees for PhD Geology and PhD Environmental Sciences Candidates -- EES Department, IC	19
Item 8.10 Appointment of Examiners for PhD Proposal Defense – EES Department, IC	20
Item 8.11 SOPs to Prevent Delays in Research Phase of Post-Graduate Students – EES Department, IC	22



Item 8.12 Inclusion of Experts in the pool of Local Examiners – EES Department, IC	22
Item 8.13 Inclusion of Experts in the pool of Local Examiners – CS Department, KC	24
Item 8.14 Appointment of Examiners for MS Thesis Defense - CS Department, KC	25
Item 8.15 Appointment of Examiners: PhD Proposal Re-Defense - CS Department, KC	26
Item 8.16 Appointment of Examiners for PhD Proposal Defense - CS Department, KC	27
Item 8.17 Withdrawal from PhD Program – CS Department, KC	27
Item 8.18 Inclusion of Expert in the List of Foreign Evaluators – EE Department, KC	28
Item 8.19 Inclusion of Expert in the list of Local External Examiners – EE Department, KC	28
Item 8.20 Cancellation of Admission, PhD Candidate – EE Department, KC	29
Item 8.21 Appointment of Advisory Committee, PhD Candidate – EE Department, KC	29
Item 8.22 Extension in Time Bar of PhD Scholar- EE Department, KC	30
Item 8.23 Appointment of Examiners for MS Thesis Defense - EE Department, KC	30
Item 8.24 Change of Supervisor: PhD Scholar- EE Department, KC	32
Item 8.25 Appointment of Examiners for PhD Comprehensive Exam - EE Department, KC	32
Item 8.26 Removal of Names of PhD Scholars from CMS – EE Department, KC	33
Item 8.27 Appointment of Examiners for MS Thesis Defense – SE Department, KC	34
Item 8.28 Appointment of Examiners for PhD Comprehensive Exam - SE Department, KC	34
Item 8.29 Appointment of Examiners for MS Thesis Defense – SE Department, IC	35
Item 8.30 Retake: PhD Comprehensive Exam – SE Department, IC	37
Item 8.31 Withdrawal from the PhD Program - SE Department, IC	38
Item 8.32 Inclusion of Experts in the pool of Local Examiners – SE Department, IC	38
Item 8.33 Appointment of Examiners for MS Thesis Defense – CS Department, IC	39
Item 8.34 Inclusion of Experts in the pool of Local Examiners – CS Department, IC	42
Item 8.35 Change of Supervisors: PhD Candidates - CS Dept., IC	46
Item 8.36 Appointment of Examiners for PhD Comprehensive Exam - CS Department, IC	46
Item 8.37 Inclusion of Expert in the List of Foreign Evaluators – CE Department, IC	47
Item 8.38 Extension in the PhD Program: PhD Candidate – CE Department, IC	48



Item 8.39 Appointment of Examiners for MS Thesis Defense – CE Department, IC.....	48
Item 8.40 Appointment of Examiners for PhD Proposal Defense – CE Department, IC	49
Item 8.41 Unsatisfactory Progress Reports PhD Candidate – CE Department, IC.....	50
Item 8.42 Inclusion of Experts in the pool of Local Examiners – CE Department, IC	50
Item 8.43 Inclusion of Experts in the pool of Local Examiners – CS Department, LC	51
Item 8.44 Appointment of Examiners for MS Thesis Defense – CS Department, LC	51
Item 8.45 Change of PhD research title and Appointment of Supervisor –EES Department, KC..	53
Item 8.46 Appointment of Co-supervisor, PhD Candidate –EES Department, KC	53
Item 8.47 Feedback on Proposal for improving incentives for promotion of research, innovation and commercialization at BU	54
Closing Remarks	55



1. The 8th meeting of the Faculty Research Committee of the Faculty of Engineering Sciences (FRC-ES) was held on January 29, 2019 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 ES, Chair (FRC-ES)
ii.	Dr. Shehzad Khalid	Director ORIC
iii.	Dr. Riaz Ahmad	Director PGP
iv.	Dr. Tahseenullah Khan	HoD EES Dept., IC
v.	Dr. Khalid Javed	HoD CE Dept., IC
vi.	Dr. Faisal Bashir	HoD CS Dept., IC
vii.	Dr. Humera Farooq	HoD CS Dept., KC
viii.	Mr. Farhan Sheerazi	HoD, CS Dept., LC
ix.	Dr. Atif Raza Jafri	HoD, EE Dept., IC
x.	Dr. Haroon Rasheed	HoD EE Dept., KC
xi.	Dr. Awais Majeed	HoD SE Dept., IC
xii.	Dr. Sohaib Ahmad	HoD SE Dept., KC
xiii.	Dr. Muhammad Zafar	Snr. Professor, EES Dept., IC
xiv.	Dr. Mehrab Khan	Snr. Professor, EES Dept., KC
xv.	Dr. Muhammad Ramzan	Snr. Professor, CS Dept, IC
xvi.	Dr. Tamim Ahmed Khan	Snr. Professor, SE Dept, IC
xvii.	Dr. Asim Qureshi	ASP, CS Dept., LC
xviii.	Dr. Imran Siddiqi	Professor CS Dept., IC (Secretary FRC-ES)

Opening Remarks

3. The meeting started with the recitation from the Holy Quran. Chair FRC welcomed the participants at the three campuses.

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.

Previous Agenda Items

Item 6.40 Policy on Plagiarism – PhD Rules

Discussion

6. Secretary FRC, Dr. Imran Siddiqi, recalled the decision on Item 6.40 of the 6th meeting of the FRC-ES. The decision was related to Clause 28.3 of PhD Rules 2017 which needs to be revised in accordance with the HEC guidelines on interpreting the similarity reports.
7. Chair FRC expressed his concerns that the agenda item was still not presented in the HERC for revision of Clause 28.3 which is causing problems for PhD candidates submitting their theses.

Decision

8. In accordance with the decision on agenda item 6.40 of the 6th meeting of FRC-ES, the case will be presented in the forthcoming HERC for revision of Clause 28.3 of PhD Rules 2017 taking into account the guidelines of the HEC.

Action by: Director, PGP

Item 6.41 Mechanism for Utilization of Research Funds

Discussion

9. Secretary FRC recalled the decision on agenda item 6.41 of the 6th meeting of the FRC-ES where the house had agreed that a comprehensive SOP should be prepared for utilization of research funds by UG and PG students. ORIC was assigned the responsibility of preparing the said policy with comments from all stakeholders.
10. The house was informed that no progress was made on the subject so far.



Decision

11. ORIC to prepare the SOP for utilization of research funds by UG and PG Students and present the policy in the next meeting of the FRC-ES.

Action by: Director ORIC

ERRATUM: Item 7.11 Transfer of Credits – MS Student M. Haroon Khalid – CS Dept. IC

Discussion

12. Secretary FRC informed the house in recording the minutes of the 7th meeting of the FRC-ES, the name of candidate Muhammad Haroon Khalid was mistakenly recorded as Muhammad Haroon Khan in agenda item 7.11.

Decision

13. FRC approved the correction of name in agenda item 7.11 in the minutes of the 7th meeting of FRC-ES. **FOR “Muhammad Haroon Khan” READ “Muhammad Haroon Khalid”.**

Action by: HoD CS, IC

Fresh Agenda Items

Item 8.1 Change of Supervisors/Co-Supervisors and Advisory Committees for PhD Students – EE Department, IC

Discussion

14. HoD EE, IC presented the cases of the following PhD students who were being supervised by Dr. Zeeshan Hameed Khan.

S. No	Name Enrolment No	Thesis Title	Supervisor /Co-Supervisor
1	Umair Alam 01-281172-003	Adaptive trajectory planning of robotic arm for levitating elastomers.	Dr. Zeeshan Hameed Khan Dr. Syed Asim Ali Shah
2	Syed Umaid Ali 01-281172-006	Efficient fault diagnosis, prognostic and maintenance algorithm for wind turbines.	Dr. Zeeshan Hameed Khan Dr. Muhammad Aamir
3	Faheem Haroon 01-281172-005	Control strategy for parallel inverter in micro grid.	Dr. Zeeshan Hameed Khan Dr. Muhammad Aamir



15. The house was informed that Dr. Zeeshan Hameed Khan has resigned from the University. Consequently, fresh appointment of supervisor (co-supervisor) and reformulation of advisory committees was required.

Decision

16. Taking into consideration the recommendations of the DRC, FRC appointed the following supervisors, co-supervisors and advisory committees for the listed PhD students.

S. No	Name (Enrolment #)	Supervisor	Co-Supervisor	Advisory Committee
1	Umair Alam 01-281172-003	Dr. Imtiaz Alam	Dr. Syed Asim Ali Shah	Dr. Imtiaz Alam Dr. Syed Asim Ali Shah Dr. Muhammad Aamir
2	Syed Umaid Ali 01-281172-006	Dr. Atif Raza Jafri	Dr. Muhammad Aamir	Dr. Atif Raza Jafri Dr. Muhammad Aamir Dr. Asad Waqar
3	Faheem Haroon 01-281172-005	Dr. Atif Raza Jafri	Dr. Muhammad Aamir	Dr. Atif Raza Jafri Dr. Muhammad Aamir Dr. Asad Waqar

Action by: HoD EE, IC

Item 8.2 Appointment of Examiners for MS Thesis Defense – EE Department, IC

Discussion

17. HoD EE, IC, presented the cases of the following MS students who have completed their research work and submitted their theses for evaluation. FRC was requested to appoint internal and external examiners for the MS thesis defense of the listed candidates.

SNo.	Name (Enrolment #)	Supervisor (Co-Supervisor)	Program	Thesis Title
1	Abdul Aziz Khan 01-244162-027	Dr. Imtiaz Alam	MS(EE)	Fixed frequency slide mode control in parallel inverter of D.E.R's in Microgrid.
2	Rawal Shahbaz 01-244162-015	Dr. Muhammad Aamir	MS(EE)	Selective Harmonic Elimination Pulse-width Modulation (SHEPWM) technique for cascaded multilevel voltage source inverter (MLVSI) using bio-inspired intelligent algorithm (BIA's).
3	Ammar Nazir 01-244161-021	Dr. Muhammad Aamir	MS(EE)	Charging of Electric Vehicles using Parking Lots.



Decision

18. On recommendation of DRC, FRC appointed the following panels for the final MS thesis defense of the listed candidates.

SNo.	Name (Enrolment #)	Thesis Title	Internal Examiner	External Examiner
1	Abdul Aziz Khan 01-244162-027	Fixed frequency slide mode control in parallel inverter of D.E.R's in Microgrid.	Engr. Nadia Imran	Dr. Salman Ahmad
2	Rawal Shahbaz 01-244162-015	Selective Harmonic Elimination Pulse-width Modulation (SHEPWM) technique for cascaded multilevel voltage source inverter (MLVSI) using bio-inspired intelligent algorithm (BIA's).	Dr. Saleem Aslam	Dr. Syed Hayder Abbas
3	Ammar Nazir 01-244161-021	Charging of Electric Vehicles using Parking Lots.	Engr. Jehanzeb Ahmad	Dr. Salman Ahmad

Action by: HoD EE, IC

Item 8.3 Extension in Time Bar of PhD Scholar – EE Department, IC

Discussion

19. HoD EE, IC, presented the case of Mr. Ali Mustafa (Enrolment # 01-281131-002) who is enrolled in the PhD (EE) program and has requested an extension of one year to complete his degree requirements. The particulars of the candidate are listed in the following.

S. No	Name Enrolment No	Thesis Title	Supervisor	Co-Supervisor
1.	Ali Mustafa 01-281131-002	Cooperative Control of Networked Multi Agent Systems	Dr. M Najam-ul-Islam	Dr. Salman Ahmed

20. The house was also informed that the candidate has concluded his research work and submitted the thesis document for internal evaluation. Supervisor of the candidate and DRC have also recommended that the extension may be granted.



Decision

21. Based on the recommendation of DRC and in accordance with Rule 15.3 of PhD Rules 2017, FRC approved an extension of one year in the PhD program duration of Mr. Ali Mustafa (Enrolment # 01-281131-002).

Action by: HoD EE, IC

Item 8.4 Change of Examiner, PhD Comprehensive Exam - EE Department, IC

Discussion

22. HoD EE, IC presented the case of Mr. Umair Alam enrolled in the PhD (EE) program with the following particulars.

SNo.	Name (Enrolment #)	Program	Supervisors	Thesis Title
1	Umair Alam 01-281172-003	PhD EE	Dr. Imtiaz Alam Dr. Syed Asim Ali Shah	Adaptive trajectory planning of robotic arm for levitating elastomers.

23. The candidate failed to clear the comprehensive exam in his first attempt and will appear again to avail the second and last chance. Dr. Zeeshan Hameed was one of the examiners of the comprehensive exam who is no longer a part of Bahria University. Consequently, HoD EE, IC requested FRC to nominate a new examiner replacing Dr. Zeeshan Hameed.

Decision

24. FRC appointed Dr. Asad Waqar to replace Dr. Zeeshan Hameed in the panel of examiners for PhD comprehensive exam of Mr. Umair Alam (01-281172-003). The approved panel is listed in the following.

SNo.	Name (Enrolment #)	Course	Examiner
1	Umair Alam 01-281172-003	Advanced Power Electronics	Dr. Muhammad Aamir
		Optimal Sampled Data Control Systems	Dr. Asif Mehmood
		Smart Grid System Operation	Dr. Asad Waqar
		Modern Control Theory	Dr. Asif Mehmood

Action by: HoD EE, IC



Item 8.5 Appointment of Examiners for PhD Comprehensive Exam - EE Department, IC

Discussion

25. HoD EE, IC presented the case of Mr. Muhammad Hasan Danish Khan enrolled in the PhD (EE) program with the following particulars.

SNo.	Name (Enrolment #)	Program	Supervisor	Thesis Title
1	Muhammad Hasan Danish Khan 01-281172-001	PhD EE	Dr. M Najam-ul-Islam	Cognitive radio wireless sensor network.

26. The candidate has completed his course work and needs to appear for the PhD comprehensive exam. FRC was requested to approve relevant subjects and appoint appropriate examiners for Mr. Muhammad Hasan Danish Khan.

Decision

27. On recommendation of the DRC, FRC approved the following subjects and examiners for the PhD comprehensive exam of Mr. Muhammad Hasan Danish Khan (01-281172-001).

SNo.	Name (Enrolment #)	Course	Examiner
1	Muhammad Hasan Danish Khan 01-281172-001	Advanced Crypt-Analysis Models for IoTs	Dr. M Najam-ul-Islam
		Computer and Network Forensics	Dr. Maleeha (NESCOM)
		Cognitive & Software Defined Radios	Dr. Atif Raza
		Advanced Computer Networks	Dr. Faisal Bashir

Action by: HoD EE, IC

Item 8.6 Cancellation of Admission: PhD Candidate - EE Department, IC

Discussion

28. HoD EE, IC, presented the case of Mr. Ahmed Qaddus (01-281131-001) who is enrolled in the PhD (EE) program. The candidate was previously working under the supervision of Dr. Saleem Aslam who had reported his unsatisfactory progress to the FRC.
29. With reference to decision no item 6.37, in the 6th meeting of the FRC-ES, the candidate was asked to change his research problem and supervisor. The candidate was given a time of 2 months to submit his new research proposal.



30. Dr. Shehzad Hassan had provided his consent to serve as Principal supervisor of the candidate while Dr. Abid Ali Minhas had agreed to serve as co-supervisor. However, the candidate failed to submit his new research proposal within the provided time frame (30/07/2018). The proposal was submitted three months later on October 4, 2018.
31. The maximum duration of six years to complete the degree requirements expires in February 2019. The candidate was asked to submit an application for extension but no such application was received by the department.

Decision

32. Taking into account the recommendations of DRC and the comments of Principal supervisor Dr. Shehzad Hassan, FRC recommended the cancellation of admission of PhD candidate Mr. Ahmed Qaddus (01-281131-001). The case to be processed for approval from the HERC.

Action by: HoD EE, IC

Item 8.7 Change in Course of PhD Comprehensive Exam - EE Department, IC

Discussion

33. Mr. Abdul Rehman (01-281172-004) is a PhD student in the department of Electrical Engineering. His title of research is "Mobility management in VANETs using routing protocol for low power and lossy network" supervised by Dr. Faisal Bashir.
34. The PhD comprehensive examination committee of the candidate was approved in the 6th meeting of the FRC (MoM-FRC-Item 6.16). A conditional approval was given by the FRC based on his registration in different courses before his result declaration. The candidate, however, could not pass one of the courses (Advanced Cryptography and Cryptanalysis).
35. After failing the course, the student registered a new course (Antenna theory design and applications) in the following semester. The failed course is now reflected as an additional course in his transcript. (Approval granted by the Director examination on file).
36. FRC was requested to replace the course "Advanced Cryptography and Cryptanalysis" by "Antenna theory design and applications" for the PhD comprehensive exam of Mr. Abdul Rehman.

Decision

37. On recommendation of DRC, FRC approved the replacement of the course "Advanced Cryptography and Cryptanalysis" by "Antenna theory design and applications" for the PhD



comprehensive exam of Mr. Abdul Rehman (01-281172-004). The updated subjects and the corresponding examiners are listed in the following.

SNo.	Student	Subject	Examiner
1	Abdul Rehman 01-281172-004	Communication Networks Architecture and Protocols	Dr. Junaid Imtiaz
		Advanced Digital Communication Systems	Dr. Saleem Aslam
		Cognitive & Software Defined Radios	Dr. Atif Jaffri
		Antenna theory design and applications	Dr. Imtiaz Alam

Action by: HoD EE, IC

Item 8.8 Appointment of Examiners for MS Thesis Defense - EES Department, IC

Discussion

38. HoD EES, IC, presented the cases of the following MS students who have completed their research work and submitted their theses for evaluation.

S.No.	Name (Enrolment #)	Supervisor (Co-Supervisor)	Program	Thesis Title
1	Abdul Basit 01-263172-001	Dr. Said Akbar Khan	MS (EPM)	Produced water of Salsabil Gas plant (Safed Koh JV) assessment and treatment through coagulation and flocculation
2	Bilal Khan 01-263172-002	Dr. Asma Jamil	MS (EPM)	Evaluation of noise level and possible mitigation measures for the selected areas of Rawalpindi and Islamabad, Pakistan
3	Hafiza Unfal Jamil 01-263172-003	M. Khubaib Abuzar	MS (EPM)	Ground water resource estimation by using Visual MODFLOW: A case study of Islamabad, Pakistan
4	Imtiaz Hussain 01-263172-004	Dr. Said Akbar Khan (Dr. Mohsina Zubair)	MS (EPM)	Vehicular Emission monitoring in selected areas of Islamabad, Pakistan
5	Muhammad Umer 01-263172-006	M. Khubaib Abuzar (Dr. Anjum Rasheed)	MS (EPM)	Assessment of Green House gas (GHG) emission from brick kiln industry of Islamabad, Pakistan
6	Muhammad Zeeshan Khalid 01-263172-007	Dr. Asma Jamil	MS (EPM)	Assessment of textile effluents and ground water quality of adjacent areas in Paharang drain Faisalabad
7	Anum Ramzan 01-263172-008	Fiza Sarwar	MS (EPM)	Process based water footprints assessment in selected leather goods manufacturing industries of Sialkot, Pakistan



8	Muhammad Sumair 01-263172-009	Dr. Humera Farah (Dr. Hamid Iqbal)	MS (EPM)	Role of Solid waste management for reducing the impact of urban flash flood in Nullah Lai, Rawalpindi
9	Omar Afzal Khan 01-263172-010	Fiza Sarwar	MS (EPM)	Assessment of Heavy metals in cosmetic powders and awareness of consumers on product labels in Islamabad, Pakistan
10	Fazal Masood 01-262172-027	M. Khubaib Abuzar (Mr. Salaar Saeed)	MS ES	Land use and land surface temperature estimation from remote sensing data- A case study of Islamabad and Rawalpindi, Pakistan
11	Muhammad Usama Sheikh 01-262172-030	Dr. Said Akbar Khan	MS ES	Performance and wastewater quality assessment of effluent treatment plant of Attock Refinery limited, Rawalpindi
12	Muhammad Usman 01-2621712-031	Dr. Humera Farah	MS ES	Assessment of Variability in fresh water resources under changing climate scenarios: A case study of Soan River Basin, Potwar Region, Pakistan
13	Saira Bano 01-262172-033	Dr. Said Akbar Khan	MS ES	Analysis of organic and inorganic elements in different types of Coal used in cement industry, Brick kilns and common market (used in household) in Pakistan
14	Samiullah 01-262172-035	Dr. Asma Jamil	MS ES	Assessment of Agricultural Vulnerability of farmers along BRB canal at BRBD, Daska, Sialkot
15	Sumbal Riaz 01-262172-036	Syed Umair Ullah Jamil	MS ES	Comparative surveillance of antibiotic resistant genes in hospital and domestic wastewater
16	Syed Mutahir Shah Safi 01-262172-037	Syed Umair Ullah Jamil	MS ES	Isolation and identification of antibiotics and heavy metals resistant bacterial strains from domestic and hospital waste water
17	Hamna Rasool 01-262172-044	M. Khubaib Abuzar (Dr. Shahzada Adnan)	MS ES	Investigation of Smog events over Lahore and adjoining areas during 2012-2017.
18	Kamran Younas 01-262172-046	Dr. Aansa Rukya Saleem	MS ES	Assessment of selected heavy metals in food crops and vegetables irrigated with industrial waste water and their associated health risk around industrial estate hattar.
19	Muhammad Jehanzeb Malik 01-262162-011	Dr. Iqbal Hajana	MS Geophysics	Shale gas evaluation of Lower Cretaceous Talhar Shale, Sinjhor area, Sindh, Pakistan
20	Abdul Rehman 01-262172-014	Mr. Muhammad Raiees Amjad	MS Geophysics	Effect of compaction on the porosity and pressure of the hydrocarbon reservoirs in Balkasar area, Potwar, Pakistan
21	Alina Hayder 01-262172-015	Dr. Abid Ali (Dr. Birkhez Aslam Shami)	MS Geophysics	Fracture analysis of Eocene carbonate reservoirs, Central Salt Range, Potwar, Pakistan
22	Anum Nawaz 01-262172-016	Dr. Iqbal Hajana	MS Geophysics	Seismic characterization of gas hydrated in Indus and Makran offshore area, Pakistan



23	Asad Ali 01-262172-017	Ms. Urooj Shakir (Mr. Waqar Ali Zafar)	MS Geophysics	Spatio Temporal variation of OLR in context of Earthquake prediction
24	Muhammad Arslan 01-262172-022	Dr. Muhsan Ehsan	MS Geophysics	Source rock evaluation of Chichali and Ranikot Formation using seismic and well data, Nandpur gas field, Punjab platform, Pakistan
25	Muhammad Hassan Bhatti 01-262172-023	Mr. Muhammad Fahad Mehmood (Dr. Khalid Ameen)	MS Geophysics	Seismic Data Conditioning for accurate well tie analysis and seismic colored inversion for reservoir properties identification of Kadanwari area, Middle Indus Basin, Pakistan
26	Nisarullah Khan 01-262172-024	Mr. Muhammad Raiees Amjad (Dr. Junaid)	MS Geophysics	Seismicity Analysis of major active faults in Southern, Pakistan
27	Saad Ali Sajid 01-262172-025	Dr. Abid Ali	MS Geophysics	Structural interpretation and reservoir characterization using seismic and well data of Ziarat area, Central Indus Basin, Pakistan
28	Sheraz Iqbal 01-262172-026	Ms. Urooj Shakir (Mr. Tahir Maqsood)	MS Geophysics	Seismic facies analysis and identification of potential targets by using on integrated approach in Kadanwari gas field, Central Indus Basin Pakistan
29	Ali Zulqarnain 01-262172-040	Mr. Muhammad Fahad Mehmood	MS Geophysics	Quantitative interpretation using geochemical analysis, AVO modeling and seismic inversion of Sawan Gas Field, Central Indus Basin, Pakistan
30	Adil Aslam 01-262172-001	Mumtaz Ali Khan	MS Geology	Inter-relation between the Geotechnical and Petrographic properties of Gohati Rhyolite, District Swabi, Pakistan
31	Atif Mehmood 01-262172-003	Dr. Muhsan Ehsan Dr. Anwar Qadir	MS Geology	Hydrogeological studies and Groundwater chemistry of selected areas of District Haripur, KP, Pakistan
32	M Salman Shamim 01-262172-004	Dr M Zafar Dr Samina Jahandad	MS Geology	Source Rock Evaluation and Petrophysical Analysis of Nammal Formation, Potwar Sub Basin, Pakistan
33	M Safeer 01-262172-005	Mumtaz Ali Khan	MS Geology	Investigation of Geotechnical Properties and their dependency on petrographic characteristics of Tanawal Formation District Abbotabad, Pakistan.
34	Saddam Hussain 01-262172-007	Dr M Iqbal Hajana Dr Ali Wahid	MS Geology	Evaluation of Patala and Chorgali Formation for Unconventional Hydrocarbon Potential in Potwar Sub Basin Pakistan
35	Shams ul	Dr Nosheen	MS Geology	Evaluation of Source rock potential of Datta



	Arfeen 01-262172-009	Sahir Dr Samina Jahandad		formation Nashpa field Kohat sub basin Pakistan
36	Sohail Ahmed 01-262172-010	Mumtaz Ali Khan Dr Anwar Qadir	MS Geology	Assessment of Groundwater vulnerability using GIS based drastic model in Haripur Area, KP, Pakistan
36	Syed M Osjja Mehdi 01-262172-011	Dr M Zafar Dr Samina Jahandad	MS Geology	Source Rock evaluation of Datta Formation and oil to source correlation of toot oil field upper Indus Basin.
37	Wajehullah 01-262172-012	Dr Nosheen Sahir	MS Geology	Petrography and Geochemical analysis of late Cretaceous Kawagarh formation Khanpur Dam Section Hazara Pakistan
38	Wazir Zada 01-262172-013	Masood Anwar	MS Geology	Prediction of Mechanical Behaviour from Petrographic characteristics of Lockhart Limestone
39	Umer Jabbar Khan 01-262172-043	Saqib Mehmood	MS Geology	Petrographic control on geochemical characteristics of Nammal formation Salt range, upper indus basin Pakistan

Decision

39. On recommendation of DRC, FRC appointed the following panels for the final MS thesis defense of the listed candidates.

S.No.	Name (Enrolment #)	Thesis Title	Internal Examiners	External Examiners
1	Abdul Basit 01-263172-001	Produced water of Salsabil Gas plant (Safed Koh JV) assessment and treatment through coagulation and flocculation	Mr. Asif Javed	Dr. Ashiq Muhammad
2	Bilal Khan 01-263172-002	Evaluation of noise level and possible mitigation measures for the selected areas of Rawalpindi and Islamabad, Pakistan	Dr. Humaira Farah	Dr. Imran Shahid
3	Hafiza Unfal Jamil 01-263172-003	Ground water resource estimation by using Visual MODFLOW: A case study of Islamabad, Pakistan	Dr. Aansa Rukeya	Dr. Shahid Mahmood
4	Imtiaz Hussain 01-263172-004	Vehicular Emission monitoring in selected areas of Islamabad, Pakistan	Syed Umairullah Jamil	Dr. Said Muhammad
5	Muhammad Umer 01-263172-006	Assessment of Green House gas (GHG) emission from brick kiln industry of Islamabad, Pakistan	Dr. Said Akbar Khan	Dr. Imran Shahid



6	Muhammad Zeeshan Khalid 01-263172-007	Assessment of textile effluents and ground water quality of adjacent areas in Paharang drain Faisalabad	Dr. Ansa Rukeya	Dr. Hamid Iqbal
7	Anum Ramzan 01-263172-008	Process based water footprints assessment in selected leather goods manufacturing industries of Sialkot, Pakistan	Mr. Asif Javed	Dr. Azeem Khalid
8	Muhammad Sumair 01-263172-009	Role of Solid waste management for reducing the impact of urban flash flood in Nullah Lai, Rawalpindi	Fiza Sarwar	Dr. Jamshaid Rashid
9	Omar Afzal Khan 01-263172-010	Assessment of Heavy metals in cosmetic powders and awareness of consumers on product labels in Islamabad, Pakistan	Mr. Khubaib Abuzar	Dr. Bashir Ahmad
10	Fazal Masood 01-262172-027	Land use and land surface temperature estimation from remote sensing data- A case study of Islamabad and Rawalpindi, Pakistan	Saima Akbar	Dr. Arshad Ashraf
11	Muhammad Usama Sheikh 01-262172-030	Performance and wastewater quality assessment of effluent treatment plant of Attock Refinery limited, Rawalpindi	Mr. Asif Javed	Dr Jabir Hussain Syed
12	Muhammad Usman 01-2621712-031	Assessment of Variability in fresh water resources under changing climate scenarios: A case study of Soan River Basin, Potwar Region, Pakistan	Mr. Khubaib Abuzar	Dr. Mazhar Iqbal
13	Saira Bano 01-262172-033	Analysis of organic and inorganic elements in different types of Coal used in cement industry, Brick kilns and common market (used in household) in Pakistan	Dr. Asma Jamil	Dr. Said Muhammad
14	Samiullah 01-262172-035	Assessment of Agricultural Vulnerability of farmers along BRB canal at BRBD, Daska, Sialkot	Syed Umairullah Jamil	Dr. Mazhar Iqbal
15	Sumbal Riaz 01-262172-036	Comparative surveillance of antibiotic resistant genes in	Fiza Sarwar	Dr. Arshad Ashraf



		hospital and domestic wastewater		
16	Syed Mutahir Shah Safi 01-262172-037	Isolation and identification of antibiotics and heavy metals resistant bacterial strains from domestic and hospital waste water	Dr. Muhammad Zafar	Dr. Hamid Iqbal
17	Hamna Rasool 01-262172-044	Investigation of Smog events over Lahore and adjoining areas during 2012-2017.	Dr. Asma Jamil	Dr. Imran Shahid
18	Kamran Younas 01-262172-046	Assessment of selected heavy metals in food crops and vegetables irrigated with industrial waste water and their associated health risk around industrial estate hattar.	Dr. Said Akbar Khan	Dr. Abida Farooqi
19	Muhammad Jehanzeb Malik 01-262162-011	Shale gas evaluation of Lower Cretaceous Talhar Shale, Sinjhor area, Sindh, Pakistan	Ms. Urooj Shakir	Mr. Hafiz Shahzad
20	Abdul Rehman 01-262172-014	Effect of compaction on the porosity and pressure of the hydrocarbon reservoirs in Balkasar area, Potwar, Pakistan	Mr. Muhammad Fahad	Muyyassar Hussain
21	Alina Hayder 01-262172-015	Fracture analysis of Eocene carbonate reservoirs, Central Salt Range, Potwar, Pakistan	Mr. Saqib Mehmood	Dr. Shazia
22	Anum Nawaz 01-262172-016	Seismic characterization of gas hydrated in Indus and Makran offshore area, Pakistan	Mr. Adil Naseer Mr. Raiees Amjad	Rana Faisal Shahzad Mr. Muhammad Kamal
23	Asad Ali 01-262172-017	Spatio Temporal variation of OLR in context of Earthquake prediction	Dr. Abid Ali	Dr. S.N. Qureshi
24	Muhammad Arslan 01-262172-022	Source rock evaluation of Chichali and Ranikot Formation using seismic and well data, Nandpur gas field, Punjab platform, Pakistan	Mr. Raiees Amjad	Ammar Yasir
25	Muhammad Hassan Bhatti 01-262172-023	Seismic Data Conditioning for accurate well tie analysis and seismic colored inversion for reservoir properties identification of Kadanwari area, Middle Indus Basin, Pakistan	Dr. Iqbal Hajana	Mr. Maqsood Gilani



26	Nisarullah Khan 01-262172-024	Seismicity Analysis of major active faults in Southern, Pakistan	Mr. Muhammad Fahad	M. Gulraiz Akhtar
27	Saad Ali Sajid 01-262172-025	Structural interpretation and reservoir characterization using seismic and well data of Ziarat area, Central Indus Basin, Pakistan	Mr. Raiees Amjad	Yasir Khan
28	Sheraz Iqbal 01-262172-026	Seismic facies analysis and identification of potential targets by using on integrated approach in Kadanwari gas field, Central Indus Basin Pakistan	Dr. Muhsan Ehsan	Zaheer ud Din Babar
29	Ali Zulqarnain 01-262172-040	Quantitative interpretation using geochemical analysis, AVO modeling and seismic inversion of Sawan Gas Field, Central Indus Basin, Pakistan	Mr. M. Raiees Amjad	Dr. Aamir Ali
30	Adil Aslam 01-262172-001	Inter-relation between the Geotechnical and Petrographic properties of Gohati Rhyolite, District Swabi, Pakistan	Dr Tahseenullah Khan	Mustafa Yar
31	Atif Mehmood 01-262172-003	Hydrogeological studies and Groundwater chemistry of selected areas of District Haripur, KP, Pakistan	M Raiees Amjad	Dr Gulraiz Akhtar
32	M Salman Shamim 01-262172-004	Source Rock Evaluation and Petrophysical Analysis of Nammal Formation, Potwar Sub Basin, Pakistan	Saqib Mehmood	Dr Abbas Ali Naseem
33	M Safeer 01-262172-005	Investigation of Geotechnical Properties and their dependency on petrographic characteristics of Tanawal Formation District Abbotabad, Pakistan.	Masood Anwar	Mustafa Yar
34	Saddam Hussain 01-262172-007	Evaluation of Patala and Chorgali Formation for Unconventional Hydrocarbon Potential in Potwar Sub Basin Pakistan	Dr M Zafar	Dr Lamuail Bashir
35	Shams ul Arfeen 01-262172-009	Evaluation of Source rock potential of Datta formation Nashpa field Kohat sub basin Pakistan	Adeeb Ahmad	Mohsin Munir
36	Sohail Ahmed	Assessment of Groundwater	Khubaib Abuzar	Dr Arshad Ashraf



	01-262172-010	vulnerability using GIS based drastic model in Haripur Area, KP, Pakistan		
36	Syed M Osjja Mehdi 01-262172-011	Source Rock evaluation of Datta Formation and oil to source correlation of toot oil field upper Indus Basin.	Saqib Mehmood	Dr Mujtaba
37	Wajehullah 01-262172-012	Petrography and Geochemical analysis of late Cretaceous Kawagarh formation Khanpur Dam Section Hazara Pakistan	Dr Tahseenullah Khan	Dr Mumtaz Shah
38	Wazir Zada 01-262172-013	Prediction of Mechanical Behaviour from Petrographic characteristics of Lockhart Limestone	Mumtaz Ali Khan	Aqeel Gohar
39	Umer Jabbar Khan 01-262172-043	Petrographic control on geochemical characteristics of Nammal formation Salt range, upper indus basin Pakistan	Maryam Saleem	Shahid Aziz

Action by: HoD EES, IC

Item 8.9 Appointment of Advisory Committees for PhD Geology and PhD Environmental Sciences Candidates -- EES Department, IC

Discussion

40. HoD EES, IC presented the cases of the following candidates of PhD Geology and PhD Environmental Sciences Program of Fall 2018 intake.

SNo.	Name Of Student	Program
1.	Sumera Akram 01-286182-001	PhD ES
2.	ABDUL SHAKOOR 01-286182-003	PhD ES
3.	Hina Wajid Satti 01-286182-002	PhD Geology

41. FRC was requested to approve the advisory committees of the listed candidates.

Decision

42. On recommendation of the DRC, FRC approved the following advisory committees for the listed PhD candidates.



S#	Name Of Student	Advisory Committee Members	Program
1	Sumera Akram 01-286182-001	Dr. Said Akbar Khan Dr. Aansa Rukaya Saleem Dr. Ashiq Muhammad	PhD ES
2	Abdul Shakoor 01-286182-003	Dr. Said Akbar Khan Dr. Asma Jamil Dr. Jabir Hussain Syed	PhD ES
3	Hina Wajid Satti 01-286182-002	Dr. Tahseenullah Khan Dr. M. Zafar Dr. Mumtaz Ali Shah	PhD Geology

Action by: HoD EES, IC

Item 8.10 Appointment of Examiners for PhD Proposal Defense – EES Department, IC

Discussion

43. Following PhD scholars enrolled in the in the department of EES, IC are ready to appear for the PhD Proposal Defence.

SNo.	Name (Enrolment #)	Program	Research Area	Supervisor	Co-Supervisor
1	Muhammad Nofal Munir 01-286172-001	PhD Geology	Petrographic and Petrophysical approach for diagenesis and reservoir quality assessment of deeply buried sandstones lower Indus Basin, Pakistan	Prof. Dr. Muhammad Zafar	
2	Furqan Aftab 01-286172-003	PhD Geology	An Integrated and Comparative Reservoir study for unmasking oil and gas potential of cooper basin, Australia and Lower Indus Basin, Pakistan	Prof. Dr. Muhammad Zafar	Dr. Quaid Khan Jadoon James Cook University, Australia
3	Adil Naseer 01-286172-004	PhD Geology	Hazard Risk assessment with respect to seismic activities and determination of potential of damaging infrastructure, northern areas, Pakistan	Prof. Dr. Tahseenullah Khan	Dr. Abid Ali
4	Adeeb Ahmed 01-286172-005	PhD Geology	Geotechnical Characterization of Sembar Formation, lower Indus Basin Pakistan	Prof. Dr. Tahseenullah Khan	Dr. Samina Jahandad, HDIP Islamabad
5	Muhammad Asif Khan 01-286172-007	PhD Geology	Integrated rock physics and AVO modelling approach for reservoir characterization of tight sands of the later Craterous, Kirthar fold belt,	Prof. Dr. Tahseenullah Khan	Dr. Aamir Ali, QAU, Islamabad



		lower Indus basin, Pakistan .	
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44. FRC was requested to appoint appropriate internal and external examiners for the PhD proposal defense of the listed candidates.

Decision

45. On recommendation of DRC, FRC appointed the following panels for the PhD proposal defense of the listed candidates.

SNo.	Name (Enrolment #)	Program	Research Area	Internal Examiner	External Examiners
1	Muhammad Nofal Munir 01-286172-001	PhD Geology	Petrographic and Petrophysical approach for diagenesis and reservoir quality assessment of deeply buried sandstones lower Indus Basin, Pakistan	Dr. Tahseenullah Khan	Dr. Matloob Hussain Dr. Muhammad Mujtaba
2	Furqan Aftab 01-286172-003	PhD Geology	An Integrated and Comparative Reservoir study for unmasking oil and gas potential of cooper basin, Australia and Lower Indus Basin, Pakistan	Dr. Iqbal Hajana	Dr. Lamuail Bashir Dr Aamir Ali
3	Adil Naseer 01-286172-004	PhD Geology	Hazard Risk assessment with respect to seismic activities and determination of potential of damaging infrastructure, northern areas, Pakistan	Dr. Nosheen Sahir	Dr. Gulraiz Akhtar Dr. Shazia Asim
4	Adeeb Ahmed 01-286172-005	PhD Geology	Geotechnical Characterization of Sembar Formation, lower Indus Basin Pakistan	Dr. M Zafar	Dr. Abbas Ali Naseem Dr. Birkhez Aslam Shami
5	Muhammad Asif Khan 01-286172-007	PhD Geology	Integrated rock physics and AVO modelling approach for reservoir characterization of tight sands of the later Craterous, Kirthar fold belt, lower Indus basin, Pakistan .	Dr. Muhsan Ehsan	Dr. Mumtaz Shah Dr. Zulfiqar

Action by: HoD EES, IC



Item 8.11 SOPs to Prevent Delays in Research Phase of Post-Graduate Students – EES

Department, IC

Discussion

46. HoD EES, IC, informed the house that in all the MS programs offered by the department, research work is compulsory. Students are advised to submit their thesis proposals in the first two months of 3rd semester (Para 24.1, MS-MPhil. Rules 2017) before conducting research. However, it has been observed with concern that some of the students do not take this deadline seriously, despite continuous reminders from the department.
47. A delay in the submission of research proposal delays the subsequent phases of research and puts the department under tremendous pressure to ensure timely completion of the theses of such students. It also imbalances the supervision load on the faculty supervisors.
48. The item was presented in the FRC for deliberations. The DRC, EES, IC recommended that actions such as warning letters, fines, even terminating the degree programs would help in curbing the problem of delays in proposal presentations.

Decision

49. Members of the house agreed that, in general, delays are observed in proposal defense of MS research students. It was also suggested that registration of Thesis II in the 4th semester of the degree program should be conditioned with clearance of proposal defense.
50. Chair FRC suggested that the departmental DRC can design an SOP in accordance with the MS/MPhil Rules. The SOP may also be presented in FRC for potential implementation across all departments of ES.

Action by: HoD EES, IC

Item 8.12 Inclusion of Experts in the pool of Local Examiners – EES Department, IC

Discussion

51. HoD EES, IC, presented the CVs of local experts for inclusion in the pool of local external examiners to evaluate the post-graduate theses.

Decision

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



SNo.	Name	Designation	Affiliation	Research Area(s)
1.	Dr. Gohar Ali Mahar	Assistant Professor	Federal Urdu University of Arts, Sciences and Technology. Karachi	Geography, GIS and Remote sensing
2.	Dr Anees Ahmed Bangash	Assistant Professor	Quaid e Azam University, Islamabad	Geophysics
3.	Dr. Pervez Khalid	Assistant Professor	Punjab University Lahore	Geophysics
4	Dr. Muhammad Irfan Ehsan	Assistant professor	University of the Punjab Lahore Pakistan	Geophysics
5.	Dr. Qazi Adnan Ahmed	Assistant Professor	Bacha Khan University Charsadda, Charsadda	Geophysics
6	Dr. Tahir Azeem	Assistant Professor	Quaid-i-Azam University, Islamabad	Geophysics
7	Dr. Muhammad Ishtiaq	Associate Professor	Nowshera Medical College, Nowshera	Environmental Health/ Public Health
8	Dr. Syed Aziz ur Rehman	Assistant Professor	COMSATS University Islamabad, Pakistan	Environmental Sciences
9	Mr. Abdul Shakoor Khan	Environmental Engineer	Zeeruk International Pvt Ltd	Environmental Sciences
10	Mr. Abdul Hadi	Environmental Inspector	National Development Consultants (Pvt.) Ltd. (NDC)	Environmental Policy and Management
11	Dr. Sadiqullah Khan	Senior Environmentalist	Elan Partner (Pvt) Limited Islamabad	Environmental Sciences
12	Dr. Jawad Ali	Assistant Professor	Department of Environmental Science FLS&I BUITEMS, Quetta	Environmental Sciences
13	Dr. Khalid Iqbal	Deputy Manager (R&D)	Office of Research, Innovation and Commercialization (ORIC) University of Gujrat	Environmental Engineering
14	Engr. Babar Abbas	Lecturer	University of Engineering & Technology, Taxila	Environmental Engineering
15	Prof. Dr. Shaukat Iqbal Malik	Professor	Capital University of Science & Technology	Biochemistry and Molecular Biology



16	Dr. Rukhsanda Aziz	Assistant Professor	International Islamic University, Islamabad	Environmental Sciences
17	Dr. Sajida Rasheed	Assistant Professor	University of Kotli, Azad Jammu and Kashmir (AJ&K), Pakistan.	Environmental Engineering
18	Dr. Muhammad Saqib Nawaz	Manager Environment & Public Health	Infrastructure Development Authority Government of the Punjab	Environmental Engineering
19	Dr. Muhammed Khurshid	Assistant Professor	Department of Environmental Sciences University of Haripur,	Environmental Sciences
20	Ms. Nazia Rafique	Senior Scientific Officer	Eco-toxicology Research Institute, NARC under PSDP project "National Pesticides Residue Monitoring System in Pakistan	Inorganic/Analytical Chemistry
21	Engr. Zafar Iqbal	Engineer	Punjab Irrigation Department	Environmental Sciences

Action by: HoD EES, IC

Item 8.13 Inclusion of Experts in the pool of Local Examiners – CS Department, KC

Discussion

53. HoD CS, KC, presented the CVs of local experts for inclusion in the pool of local external examiners to evaluate the post-graduate theses.

Decision

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

SNo.	Name	Designation	Affiliation	Research Area(s)
1.	Dr. Syed Abbas Ali	Associate Professor	NED University of Engineering & Technology, Karachi	Machine Learning, Telecommunication and Networking
2.	Dr. Yawar Rehman	Assistant Professor	NED University of Engineering & Technology, Karachi	Computer vision, Feature extraction, Object detection, Occlusion handling, Machine learning,



				Pattern Recognition
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Action by: HoD CS, KC

Item 8.14 Appointment of Examiners for MS Thesis Defense - CS Department, KC

Discussion

55. HoD CS, KC, presented the cases of the following MS students who have completed their research work and submitted their theses for evaluation.

SNo.	Name (Enrolment #)	Supervisor	Program	Thesis Title
1.	Sidra Masood (02-243171-013)	Dr. Humera Farooq	MS(CS)	A study to measure pre and post mental health of drug addicts using EEG
2.	Irfan Mustafa (02-243171-004)	Dr. Humera Farooq	MS(CS)	Task Independent EEG-Based Human Authentication Using Spatial Spectral Analysis
3.	Mr .M. Shahid Khan (02-243162-012)	Dr. Bilal Hameed	MS(CS)	Sentiment analysis & opinion mining: a comparative study of machine learning algorithms

Decision

56. On recommendation of DRC, FRC appointed the following panels for the final MS thesis defense of the listed candidates.

SNo.	Student	Thesis Title	Internal Examiner	External Examiner
1.	Sidra Masood (02-243171-013)	A study to measure pre and post mental health of drug addicts using EEG	Dr. Zainab Bhutto	Dr. Najeed Khan
2.	Irfan Mustafa (02-243171-004)	Task Independent EEG-Based Human Authentication Using Spatial Spectral Analysis	Dr. Usama	Dr. Hammad Raza
3.	Mr .M. Shahid Khan (02-243162-012)	Sentiment analysis & opinion mining: a comparative study of machine learning algorithms	Dr. Sohaib	Dr. Kamran Ahsan

Action by: HoD CS, KC



Item 8.15 Appointment of Examiners: PhD Proposal Re-Defense - CS Department, KC

Discussion

57. HoD CS, KC presented the case of PhD (CS) candidate Mr. Adnan Abdullah (Enrolment number# 02-284162-002). The candidate was working on the problem titled “Wireless Network Virtualization in 5G Networks” and was required to defend his research proposal by December 2018.
58. The panel to conduct the PhD proposal defense of the candidate was approved in the 6th meeting of the FRC (Decision on Agenda Item 6.24).
59. The candidate changed his research problem to the title “Global Positioning System Anti Spoofing and Augmentation Techniques”. Despite a change in research theme, the proposal defense was conducted with the panel approved for the previous title.
60. The case was presented in FRC for further deliberation.

Decision

61. Chair FRC expressed his serious concerns on the fact that the candidate changed his research title and the department conducted his proposal defense with the panel that was approved for a different research title.
62. FRC declared the proposal defense void as the area of research had changed. The department was asked to re-conduct the proposal defense. Furthermore, FRC approved the following panel of examiners for the PhD proposal re-defense of Mr. Adnan Abdullah.
63. FRC also recommended that request for extension in time to defend the PhD research proposal (PhD Rules 2017, Para 25.7) may be initiated on file by the concerned department for approval from the Competent Authority. Chair FRC also stressed that such practices must be avoided in the future.

SNo.	Name	Thesis Title	Supervisor	Internal Examiner	External Examiners
1.	Mr. Adnan Abdullah (02-284162-002)	Global Positioning System Anti Spoofing and Augmentation Techniques	Dr. Safdar Ali	Dr. Moneeb Gohar - BUIC	Dr. Arshad Aziz Dr. Arif Iqbal

Action by: HoD CS, KC

**Item 8.16 Appointment of Examiners for PhD Proposal Defense - CS Department, KC****Discussion**

64. HoD CS, KC presented the cases of the following PhD students who have cleared the PhD comprehensive exam and need to appear for the PhD proposal defense.

S. No	Name	Supervisor (Co-Supervisor)	Thesis Title
1.	Ms. Naureen Farhan 02-284162-001	Dr. Safdar Ali	Radio resource management in 5G by using clustering Techniques
2.	Mr. Muzamil Ahmed Khan (02-284172-001)	Dr. Safdar Ali	A framework for IoT devices for managing cloud based fog interconnected applications
3.	Ms. Fasiha Ikram (02-284171-001)	Dr. Humera Farooq	A Hybrid Recommendation System Considering Visual-Textual Information using ML Techniques

Decision

65. One recommendation of DRC, FRC approved the following examination panels for the PhD proposal defense of the listed candidates.

S. No	Name	Thesis Title	Internal Examiner	External Examiners
1.	Ms. Naureen Farhan 02-284162-001	Radio resource management in 5G by using clustering Techniques	Dr. Moneeb Gohar, BUIC	Dr. Asif Aziz Dr. Ali Abbas
2.	Mr. Muzamil Ahmed Khan (02-284172-001)	A framework for IoT devices for managing cloud based fog interconnected applications	Dr. Saleem Aslam, BUIC	Dr. Jawad Shamsi Dr. Taha Jilani
3.	Ms. Fasiha Ikram (02-284171-001)	A Hybrid Recommendation System Considering Visual-Textual Information using ML Techniques	Dr. Sumaira Kausar, BUIC	Dr. Najeed Ahmed Khan Dr. Aqeel –ur-Rehman

Action by: HoD CS, KC

Item 8.17 Withdrawal from PhD Program – CS Department, KC**Discussion**

66. HoD, CS, KC presented the case of Mr. Adnan Ur Rehman (Enrolment No. 02-284171-002) who is registered in the PhD (CS) program. The candidate has requested the department for withdrawal from the PhD program due his domestic and professional commitments.



Decision

67. The department was instructed to process the case in accordance with the PhD Rules.

Action by: HoD CS, KC

Item 8.18 Inclusion of Expert in the List of Foreign Evaluators – EE Department, KC

Discussion

68. HoD EE, KC, presented the profile of Prof. Wang Zhigong for recommendation to HERC to include him in the pool of foreign evaluators.

Decision

69. FRC approved the Prof. Wang Zhigong for recommendation to the HERC to include him in the pool of foreign PhD evaluators. The particulars of Prof. Wang are summarized in the following.

S No.	Name	Institute /Country	Area of Specialization	Contact Info
1.	Prof. Dr. Wang Zhigong	Southeast University, P. R. China	Circuits & Systems, Biomedical Devices and Systems	zgwang@seu.edu.cn

Action by: HoD EE, KC

Item 8.19 Inclusion of Expert in the list of Local External Examiners – EE Department, KC

Discussion

70. HoD EE, KC, presented the CV Dr. Ali Ahmed for inclusion in the pool of local external examiners to evaluate the post-graduate theses.

Decision

71. FRC approved the inclusion of Dr. Ali Ahmed in the pool of local external examiners. His particulars are summarized in the following.

S No.	Name	Institute /Country	Area of Specialization	Contact Info
1.	Dr. Ali Ahmed	Usman Institute of Technology, Karachi	Digital Circuit Design, Information Security	aahmed@uit.edu



Action by: HoD EE, KC

Item 8.20 Cancellation of Admission, PhD Candidate – EE Department, KC

Discussion

72. HoD EE, KC presented the case of Engr. Muhammad Tahir Abbasi (Enrolment No. 02-281151-003), PhD Candidate (Spring-2015 intake), who has not been able to present his research proposals till date. The candidate has passed his comprehensive exams on April 21st, 2017. He was given a period of 6-months in FRC-06, held on May 30th, 2018 to prepare and present his proposals.
73. The time period given to him has already passed without any progress. He was intimidated time to time in writing and also verbally to follow the deadline given to him, but he is unwilling to comply.
74. HoD EE, KC requested FRC to recommend cancellation of admission for PhD candidate Engr. Muhammad Tahir Abbasi.

Discussion

75. FRC recommended cancellation of admission of PhD candidate Engr. Muhammad Tahir Abbasi (Enrolment No. 02-281151-003). Department to process the case further.

Action by: HoD EE, KC

Item 8.21 Appointment of Advisory Committee, PhD Candidate – EE Department, KC

Discussion

76. HoD EE, KC presented the case of PhD candidate, Engr. Muhammad Faisal Siddiqui (Enrolment No. 02-281172-002) who successfully passed his comprehensive examination, held on November 9th, 2018. The particulars of the candidate are as follows.

S No.	Name	Supervisor	Thesis Title
1.	Engr. Muhammad Faisal Siddiqui (02-281172-002)	Dr. Najam M. Amin	Ultra-low power receiver design for Bluetooth Low Energy

77. FRC was requested to appoint the advisory committee of the candidate.

Decision

78. On recommendation of DRC, FRC appointed the following the following advisory committee for Engr. Muhammad Faisal Siddiqui.



S No.	Name (Enrolment #)	Principal Supervisor	Advisory Committee
1.	Engr. Muhammad Faisal Siddiqui 02-281172-002	Dr. Najam M. Amin	Dr. Najam M. Amin Dr. Haroon Rasheed Prof. Dr. Zhigong Wang

Action by: HoD EE, KC

Item 8.22 Extension in Time Bar of PhD Scholar- EE Department, KC

Discussion

79. Engr. Naveen Irtiza (02-281131-001) was enrolled in PhD EE program as HEC scholar in Spring 2013 intake. She has completed her PhD course work, cleared comprehensive exam and defended her proposal in 2014. She is working under supervision of Dr. Humera Farooq. She has availed HEC IRSIP program in 2016. She is waiting for her ISI-indexed Impact Factor Journal Publication.
80. The candidate has completed six years from the date of enrolment and has requested FRC for an extension of one year. Her supervisor is satisfied with her progress and is confident that she would be able to complete all the requirements of PhD research within the extended duration.

Decision

81. In accordance with Para 15.3 of PhD Rules 2017, FRC approved an extension of one year for the PhD candidate Engr. Naveen Irtiza (Enrolment number 02-281131-001). Candidate's supervisor to approve and submit the timeline (with milestones) of research during the extended period.

Action by: HoD EE, KC

Item 8.23 Appointment of Examiners for MS Thesis Defense - EE Department, KC

Discussion

82. HoD EE, KC, presented the cases of the following MS students who will be appearing for their final thesis defense in Spring 2019 semester.

S No.	Name	Supervisor/ Co-Supervisor	Thesis Title
1.	Sharjeel Habib 02-244172-007	Dr. Anzar Alam	Acquiring Technique Of 3D Cloud and Comparison with Stereo Vision for the Computation of Object Depth Information from Live Images



2.	Muhammad Qadeer ul Hassan 02-244172-005	Dr. Muhammad Raza	Integration of Renewable Energy into the Distribution Network
3.	Adnan Sharif 02-244172-001	Engr. Yasir Amir	Terminal Sliding Mode Control-based Attitude Control of a 2-DOF Twin Rotor Aero Dynamical System.
4.	Waqar Ahmed 02-244172-006	Dr. Najam M. Amin	2.4 GHz Ultra Low Power VCO
5.	Farhan Ahmed Qureshi 02-244172-012	Engr. Yasir Amir	Robust Integral of sign of Error based Altitude Control of 2-DOF Twin Rotor System.
6.	Sabir Hanif 02-244172-022	Engr. Faraz Humayun / Dr. Muhammad Raza	An Efficient Analysis of Power System Harmonics

83. FRC was requested to appoint internal and external examiners for the presented candidates.

Decision

84. On recommendations of the DRC, FRC appointed the following internal and external examiners for the listed candidates.

S No.	Name	Thesis Title	Internal Examiner	External Examiner
1.	Sharjeel Habib 02-244172-007	Acquiring Technique Of 3D Cloud and Comparison with Stereo Vision for the Computation of Object Depth Information from Live Images	Dr. Aurangzeb Rashid	Dr. Rehan Qureshi
2.	Muhammad Qadeer ul Hassan 02-244172-005	Integration of Renewable Energy into the Distribution Network	Dr. Haroon Rasheed	Dr. Zeeshan Ali
3.	Adnan Sharif 02-244172-001	Terminal Sliding Mode Control-based Attitude Control of a 2-DOF Twin Rotor Aero Dynamical System.	Dr. Abdul Attayab	Dr. Valiuddin
4.	Waqar Ahmed 02-244172-006	2.4 GHz Ultra Low Power VCO	Dr. Khawaja Qasim	Dr. Hashim Raza
5.	Farhan Ahmed Qureshi 02-244172-012	Robust Integral of sign of Error based Altitude Control of 2-DOF Twin Rotor System.	Dr. Abdul Attayab	Dr. Valiuddin
6.	Sabir Hanif 02-244172-022	An efficient analysis of power system harmonics	Dr. Najam Amin	Dr. Ali Ahmed

Action by: HoD EE, KC



Item 8.24 Change of Supervisor: PhD Scholar- EE Department, KC

Discussion

85. HoD EE, KC presented the case for the change of supervisor for PhD (EE) candidate, Mr. Rana Saeed, Enrolment No. 02-281181-001.
86. The current supervisor Dr. Haroon Rasheed and the proposed supervisor Dr. Najam Muhammad Amin, both have provided their consent for the change.

Decision

87. FRC approved the appointment of Dr. Najam M. Amin as principal supervisor of Mr. Rana Saeed (Enrolment No. 02-281181-001). The particulars of the student are summarized in the following.

SNo.	Name (Enrolment #)	Program	Supervisor (Co-Supervisor)	Research Title
1	Rana Saeed 02-281181-001	PhD EE	Dr. Najam M. Amin (Dr. Muhammad Raza)	Power Line Communication (Final title to be provided after comprehensive exam)

Action by: HoD EE, KC

Item 8.25 Appointment of Examiners for PhD Comprehensive Exam - EE Department, KC

Discussion

88. HoD EE, KC presented the case of Mr. Rana Saeed (Enrolment No. 02-281181-001) who is enrolled in the PhD (EE) program. The candidate has completed his course work and needs to appear for the PhD Comprehensive exam. FRC was requested to appoint the panel of examiners and chose appropriate subjects for the comprehensive exam of the candidate.
89. The particulars of the candidate are as follows.

SNo.	Name (Enrolment #)	Program	Supervisor (Co-Supervisor)	Research Title
1	Rana Saeed 02-281181-001	PhD EE	Dr. Najam M. Amin (Dr. Muhammad Raza)	Power Line Communication (Final title to be provided after comprehensive exam)

Decision

90. On recommendation of the DRC, FRC approved the following subjects and examiners for the PhD comprehensive exam of Mr. Rana Saeed (Enrolment No. 02-281181-001).



SNo.	Name (Enrolment #)	Course	Examiner
1	Rana Saeed 02-281181-001	Advanced Power System Analysis	Dr. Muhammad Raza
		Optimization Techniques	Dr. Haroon Rasheed
		Advanced Topics in Renewable Energy	Dr. Ghaus Bux
		Power Awareness in Distribution in Distribution System	Dr. Mohsin Aman

Action by: HoD EE, KC

Item 8.26 Removal of Names of PhD Scholars from CMS – EE Department, KC

Discussion

91. Mr. Usman Seljuq, a Ph.D. candidate of EE department (Enrolment number 02-281141-003) has left Bahria University in 2015 and never registered for any course after that. His name is appearing in CMS which needs to be removed, as he is no longer a student to EE Department.
92. Mr. Aurangzeb Rashid Masud, a PhD scholar and faculty member of EE Department (Enrolment number 02-281142-001) left for Korea under HEC Overseas Scholarship program in 2015. He has joined BUKC after completing his doctoral degree and is working as Sr. Asst. Professor in EE Department. His name is also appearing in CMS which needs to be removed.
93. Mr Suleman Askari, a PhD scholar having Enrolment number 02-281141-002 did not clear his NTS subject test which was a mandatory requirement for PhD admission. He has already availed 3 years without meeting the requirement. His name is also recommended to be removed from the CMS.

Decision

94. FRC approved the removal of the names of Mr. Usman Seljuq (02-281141-003), Mr. Aurangzeb Rashid Masud (02-281142-001) and Mr Suleman Askari (02-281141-002) from the CMS.

Action by: HoD EE, KC



Item 8.27 Appointment of Examiners for MS Thesis Defense – SE Department, KC

Discussion

95. HoD SE, KC presented the case Mr. Moshin Khan (Enrolment No. 02-241171-001) who is enrolled in the MS (SE) program and will be appearing for his final thesis defense. FRC was requested to appoint appropriate examiners for the final defense of the candidate.

S. No.	Name (Enrolment #)	Supervisor (Co-Supervisor)	Program	Thesis Title
1	Moshin Khan (02-241171-001)	Dr Osama Rehman	MS (SE)	Performance analysis of cyber-attacks On SCADA- based systems

Decision

96. On recommendation of the DRC, FRC approved the following internal and external examiners for the final thesis defense of Mr. Moshin Khan (Enrolment No. 02-241171-001).

S. No.	Name (Enrolment #)	Thesis Title	Internal Examiners	External Examiners
1	Moshin Khan (02-241171-001)	Performance analysis of cyber- attacks On SCADA-based systems	Dr. M. Osama	Dr. Arshad Aziz

Action by: HoD SE, KC

Item 8.28 Appointment of Examiners for PhD Comprehensive Exam - SE Department, KC

Discussion

97. HoD SE, KC presented the case of Engr. Bushra Fazal Khan (Enrolment No. 02-200181-009) who is enrolled in the PhD (SE) program. The candidate has completed her course work and needs to appear for the PhD Comprehensive exam. FRC was requested to appoint the panel of examiners and chose appropriate subjects for the comprehensive exam of the candidate.

98. The particulars of the candidate are as follows.

SNo.	Name (Enrolment #)	Program	Supervisor	Thesis Title
1	Engr. Bushra Fazal Khan (02-200181-009)	PhD (SE)	Dr. Sohaib Ahmed	Collaborative and cognitive interactions in ubiquitous learning environment

**Decision**

99. On recommendation of the DRC, FRC approved the following subjects and examiners for the PhD comprehensive exam of Engr. Bushra Fazal Khan (02-200181-009).

SNo.	Name (Enrolment #)	Course	Examiner
1	Engr. Bushra Fazal Khan (02-200181-009)	Semantic Web	Dr. Sohaib Ahmed
		Ubiquitous Computing	Dr. Osama Rehman
		Natural Language Processing	Dr. Rizwan Iqbal
		Advanced Human Computer Interaction	Dr. Raheel Siddiqui

Action by: HoD SE, KC

Item 8.29 Appointment of Examiners for MS Thesis Defense – SE Department, IC**Discussion**

100. HoD SE, IC, presented the cases of the following MS students who have completed their research work and submitted their theses for evaluation. FRC was requested to appoint appropriate internal and external examiners for the MS thesis defense of the listed candidates.

SNo.	Name (Enrolment #)	Supervisor (Co-Supervisor)	Program	Thesis Title
1	Imran Fida (01-241171-011)	Dr. Raja M. Suleman	MS (SE)	A Novel Approach to Generate Knowledge Graphs from Unstructured Text
2	Wasiq Hussain Khan (01-241171-032)	Dr. Tamim Ahmed Khan	MS (SE)	Emotion Extraction From Urdu Speech Using Different Linguistic/Prosodic Features At Early Education
3	Hafiz. M. Ahsan Asim (01-241171-009)	Dr. Tamim Ahmed Khan	MS (SE)	Evaluating e-learning Test Results Through Data bank
4	Junaid Aslam (01-241171-036)	Dr. Awais Ahmad	MS(SE)	Defining Service Oriented Trust Assessment for Social Internet of Things
5	Hassan Gul (01-246162-017)	Dr. Abdul Baseer Qazi	MS (EM)	Cross-border logistics between Pakistan and China: Exploring the potential for Freight Entrepreneurs in CPEC
6	Shumail Zaheer Kayani (01-246171-008)	Dr. Abdul Baseer Qazi	MS (EM)	The role of entrepreneurship education on entrepreneurs
7	Sidra Arif (01-246171-009)	Dr. Abdul Baseer Qazi	MS (EM)	Assessing the Business support provided by business incubators



8	Jasera Basit (01-246172-005)	Dr. Ismail Ramay	MS(EM)	The impact of perceived organizational support on employee commitment and turnover intention with mediating role of employee job satisfaction in engineering firms
9	Sham e Aiman (01-246172-011)	Dr. Ismail Ramay	MS(EM)	Impact of human practices on employees' performance: An empirical study of engineering firms in Islamabad and Rawalpindi.

Decision

101. On recommendation of DRC, FRC appointed the following panels for the final MS thesis defense of the listed candidates.

SNo.	Name (Enrolment #)	Program	Thesis Title	Internal Examiner	External Examiner
1	Imran Fida (01-241171-011)	MS (SE)	A Novel Approach to Generate Knowledge Graphs from Unstructured Text	Dr. Tamim A. Khan	Dr. Arsalan Shaukat
2	Wasiq Hussain Khan (01-241171-032)	MS (SE)	Emotion Extraction From Urdu Speech Using Different Linguistic/Prosodic Features At Early Education	Dr. Raja M. Suleman	Dr. Hammad Afzal
3	Hafiz. M. Ahsan Asim (01-241171-009)	MS (SE)	Evaluating e-learning Test Results Through Data bank	Dr. Shahid Nazir Bhatti	Dr. Iftikhar Azeem
4	Junaid Aslam (01-241171-036)	MS(SE)	Defining Service Oriented Trust Assessment for Social Internet of Things	Dr. Asfand Yar	Dr. Mansoor Ahmed
5	Hassan Gul (01-246162-017)	MS (EM)	Cross-border logistics between Pakistan and China: Exploring the potential for Freight Entrepreneurs in CPEC	Dr. Farrukh Jaleel	Dr. Ansir A. Rajput
6	Shumail Zaheer Kayani (01-246171-008)	MS (EM)	The role of entrepreneurship education on entrepreneurs	Dr. Ismail Ramay	Dr. Tahir Nawaz
7	Sidra Arif (01-246171-009)	MS (EM)	Assessing the Business support provided by business incubators	Dr. Sabeen Bhatti	Dr. Ansir A. Rajput
8	Jasera Basit (01-246172-005)	MS (EM)	The impact of perceived organizational support on employee commitment and turnover intention with mediating role of employee job	Dr. Abdul Baseer	Dr. Faheem Qaiser Jamal



			satisfaction in engineering firms		
9	Sham e Aiman (01-246172-011)	MS (EM)	Impact of human practices on employees' performance: An empirical study of engineering firms in Islamabad and Rawalpindi.	Dr. Farrukh Jaleel	Dr. Syed Muhammad Ali

Action by: HoD SE, IC

Item 8.30 Retake: PhD Comprehensive Exam – SE Department, IC

Discussion

102. HoD SE, IC, presented the case of Mr. Adil Nazir (Enrolment 01-281171-004) who is registered in the PhD (SE) program and is working under the supervision of Dr. Asfand e Yar. Mr. Adil completed his coursework in Spring 2018 and appeared in comprehensive exam on 15th August, 2018. Mr. Adil was unable to pass the comprehensive exam in the first attempt. The candidate will appear for a Re-take in Spring 2019 semester. FRC was requested to approve the subjects and panel of examiners for the retake of the PhD comprehensive exam.

Decision

103. On recommendation of DRC, FRC approved the same subjects and panel of examiners as those of the first chance. The details of subjects and examiners are summarized in the following.

SNo.	Name (Enrolment #)	Course	Examiner
1	Adil Nazir (01-281171-004)	Ontology Engineering	Dr. Muhammad Asfandeyar
		Machine Learning	Dr. Sumaira Kausar
		Information Retrieval Techniques	Dr. Awais Ahmad
		Advanced Natural Language Processing	Dr. Raja Suleman

Action by: HoD SE, IC

Item 8.31 Withdrawal from the PhD Program - SE Department, IC**Discussion**

104. HoD SE, IC presented the case of Mr. Fahad Reyaz (01-281152-001) was registered in the PhD (SE) program under the supervision of Dr. Shahid Nazir Bhatti. The house was informed that the candidate has submitted an application for withdrawal from the PhD program due to personal commitments which do not allow him to continue with his research.

Discussion

105. Application of Mr. Fahad Reyaz (01-281152-001) for withdrawal from the PhD (SE) program to be processed in accordance with the existing policies.

Action by: HoD SE, IC

Item 8.32 Inclusion of Experts in the pool of Local Examiners – SE Department, IC**Discussion**

1. HoD SE, IC, presented the CVs of local experts for inclusion in the pool of local external examiners to evaluate the post-graduate theses.

Decision

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

SNo.	Name	Designation	Affiliation	Research Area(s)
1	Dr. Arshad Awan	Assistant Professor	Department of Computer Science, Allama Iqbal Open University, Islamabad, Pakistan.	Human activity recognition using Smartphone sensors. Context-aware systems for healthcare applications Smart homes/cities based on semantic enabled data/information fusion & integration Ontology based activity recognition and assistive technologies Inference systems that support autonomy, learning and adaptability
2	Dr. Ayyaz Hussain	Associate Professor	Department of Computer Science & Software Engineering, International Islamic University, Islamabad, Pakistan	Pattern Recognition, Machine Intelligence and Data Mining Image Processing Computational Intelligence
3	Dr.	Assistant	Department of	Human Computer Interaction

	Muhammad Noman Malik	Professor	Computer Sciences, Faculty of Engineering and Computer Sciences, National University of Modern Languages (NUML), Islamabad Campus, Pakistan	Software Engineering Management Information System (MIS) Human Resource Management (Technology Management)
4	Dr. Rizwan Bin Faiz	Assistant professor	Faculty of Computing, RIPHAH International University.	Artificial Neural Networks (ANN) Goal Centric Model Base Test Engineering
5	Dr. Huma Hayat Khan	Assistant Professor	National University of Modern Languages, Islamabad	Situational Requirement Engineering model for Global Software Development (GSD)
6	Dr. Basit Shahzad	Assistant Professor	National University of Modern Languages, Islamabad	Software Engineering Block chain
7	Dr. Ali Ahsan	Dean - Faculty of Business and Technology	Foundation University	Engineering Management

Action by: HoD SE, IC

Item 8.33 Appointment of Examiners for MS Thesis Defense – CS Department, IC

Discussion

106. HoD CS, IC, presented the cases of the following MS students who have completed their research work and submitted their theses for evaluation. FRC was requested to appoint appropriate internal and external examiners for the MS thesis defense of the listed candidates.

SNo.	Name (Enrollment #)	Program	Thesis Title	Supervisor (Co-Supervisor)
1	Asim Wadood (01-243171-003)	MSCS	Deep conjunct denoising and demosaicking: A hybrid approach based on deep adaptive residual learning	Dr. Awais Ahmad
2	Asad Saleem (01-243171-002)	MSCS	Demosaicking and Denoising for Big Data using Deep Learning	Dr. Awais Ahmad
3	Emmad Zahid (01-243171-037)	MSCS	Denoising and Demosaicking of Noisy Bayer Image using Specialized Networks	Dr. Awais Ahmad
4	Muhammad Haroon Akram (01-243171-34)	MSCS	Deep Recurrent Computational Model for Feature Extraction on Liver Patient Data based on Internet of Things	Dr. Awais Ahmad
5	Munib ul Hassan	MSCS	Deep Neural Networks against adversarial	Dr. Sumaira



	(01-243162-010)		Attacks	Kausar
6	Maryam Bibi (01-243171-009)	MSCS	Document Forgery Detection using Printer Source Identification	Dr. Imran Siddiqi
7	Anmol Hamid (01-243171-016)	MSCS	Historical Manuscript Dating using Image Analysis Techniques	Dr. Imran Siddiqi
8	Faima Abbasi (01-243171-004)	MSCS	A Decentralized Approach for Negative Link Prediction	Dr. Muhammad Muzammil
9	Sara Abbas (01-243162-014)	MSCS	Test Suite Prioritization using Evolutionary Computing	Dr. Muhammad Muzammil
10	Khadija Khan (01-243162-004)	MSCS	Classification of Bone Marrow Cells Images for Medical Diagnosis of Acute Leukemia	Dr. Samabia Tehsin
11	Muhammad Ahsan Taqi Kazmi (01-243162-021)	MSCS	Distracted Driver Detection	Dr. Samabia Tehsin
12	Muhammad Irfan (01-243171-022)	MSCS	A Topic Extraction Approach for Clustering of Documents	Dr. Arif ur Rehman
13	Muhammad Ansar 01-243171-038	MSCS	A domain based distributed mobility control scheme in LISP Networks	Dr. Moneeb Gohar
14	Tasneem Aslam 01-243171-	MSCS	SDN Based Distributed LISP Mapping System for Next Generation Wireless Networks	Dr. Moneeb Gohar
15	Masooma Zahra 01-243171-010	MSCS	Classifying Sports News to Improve Search Engine using Web Ontology Language (OWL)	Dr. Asfand yar
16	Sajid Anwar 01-245171-017	MSTN	Partial Bicastig with buffering for Proxy Mobile IPV6 Mobility Management in CoAP-Based IoT Networks	Dr. Moneeb Gohar
17	Muhammad mahdi 01-245171-010	MSTN	Distributed Proxy Mobile IPV6 for Group Mobility Management in CoAP-Based IoT Network	Dr. Moneeb Gohar
18	Hafiz Daniyal Aslam 01-245161-005	MSTN	A hashed based distributed mapping control scheme in mobile locator-identifier separation protocol networks	Dr. Moneeb Gohar
19	Raza Hussain 01-245171-022	MSTN	Methodology to Improve Scalability and Quality of Services in Software Defined Networking	Dr. Kashif Naseer
20	Muhammad Umair Bashir 01-245171-013	MSTN	Optimized Cluster based Dynamic Energy-aware Routing Protocol for WSN.	Dr. Kashif Naseer
21	Adeel Pervaiz 01-245162-001	MSTN	Adaptive clustering of low energy Nodes in W-BAN	Dr. Faisal Bashir
22	Syed Waseem Abbas 01-245162-008	MSTN	Interference Migration using co-operative Relay in W-BAN	Dr. Faisal Bashir
23	Farhan Haroon 01-245162-004	MSTN	Contention Reduction by using group based handling of traffic priorities.	Dr. Faisal Bashir

Decision

107. On recommendation of DRC, FRC appointed the following panels for the final MS thesis defense of the listed candidates.

SNo.	Name (Enrollment #)	Program	Thesis Title	Internal Examiners	External Examiners
1	Asim Wadood (01-243171-003)	MSCS	Deep conjunct denoising and demosaicking: A hybrid approach based on deep adaptive residual learning	Dr. Muzammil	Dr. Waseem Shahzad
2	Asad Saleem (01-243171-002)	MSCS	Demosaicking and Denoising for Big Data using Deep Learning	Dr. Imran Siddiqi	Dr. Ayyaz Hussain
3	Emmad Zahid (01-243171-037)	MSCS	Denoising and Demosaicking of Noisy Bayer Image using Specialized Networks	Dr. Imran Siddiqi	Dr. Abdul Basit
4	Muhammad Haroon Akram (01-243171-34)	MSCS	Deep Recurrent Computational Model for Feature Extraction on Liver Patient Data based on Internet of Things	Dr. Raja Suleman	Dr. Amanullah Yasin
5	Munib ul Hassan (01-243162-010)	MSCS	Deep Neural Networks against adversarial Attacks	Dr. Awais Ahmed	Dr. Ahmad Salman
6	Maryam Bibi (01-243171-009)	MSCS	Document Forgery Detection using Printer Source Identification	Dr. Samabia Tehsin	Dr. Khurram Khurshid
7	Anmol Hamid (01-243171-016)	MSCS	Historical Manuscript Dating using Image Analysis Techniques	Dr. Sumaira Kausar	Dr. Farhan Riaz
8	Faima Abbasi (01-243171-004)	MSCS	A Decentralized Approach for Negative Link Prediction	Dr. Arif ur Rahman	Dr. Mansoor Ahmed
9	Sara Abbas (01-243162-014)	MSCS	Test Suite Prioritization using Evolutionary Computing	Dr. Awais Majeed	Dr. Waseem Shehzad
10	Khadija Khan (01-243162-004)	MSCS	Classification of Bone Marrow Cells Images for Medical Diagnosis of Acute Leukemia	Dr. Shehzad Khalid	Dr. Farhan Riaz
11	Muhammad Ahsen Taqi Kazmi (01-243162-021)	MSCS	Distracted Driver Detection	Dr. Amna Jameel	Dr. Khurram Khurshid
12	Muhammad Irfan (01-243171-022)	MSCS	A Topic Extraction Approach for Clustering of Documents	Dr. Sumaira KAusar	Dr. Ayyaz Hussain
13	Muhammad Ansar 01-243171-038	MSCS	A domain based distributed mobility control scheme in LISP Networks	Dr. Faisal Bashir	Dr. Muazzam A. Khan Khattak
14	Tasneem Aslam	MSCS	SDN Based Distributed LISP	Dr. Saleem	Dr. Majid Iqbal



	01-243171-035		Mapping System for Next Generation Wireless Networks	Aslam	Khan
15	Masooma Zahra 01-243171-010	MSCS	Classifying Sports News to Improve Search Engine using Web Ontology Language (OWL)	Dr. Arif ur Rehman	Dr. Mansoor Ahmed
16	Sajid Anwar 01-245171-017	MSTN	Partial Bicast with buffering for Proxy Mobile IPV6 Mobility Management in CoAP-Based IoT networks	Dr. Ibrahim Tariq	Dr. Rizwan Ahmed
17	Muhammad Mahdi 01-245171-010	MSTN	Distributed Proxy Mobile IPv6 for Group Mobility Management in CoAP-Based IoT Network	Dr. Ibrahim Tariq	Dr. Adnan Akhunzada
18	Hafiz Daniyal Aslam 01-245161-005	MSTN	A hashed based distributed mapping control scheme in mobile locator-identifier separation protocol networks	Dr. M. Najam ul Islam	Dr. Muazzam A. Khan Khattak
19	Raza Hussain 01-245171-022	MSTN	Methodology to Improve Scalability and Quality of Services in Software Defined Networking	Dr. Moneeb Gohar	Dr. Saleem Iqbal
20	Muhammad Umair Bashir 01-245171-013	MSTN	Optimized Cluster based Dynamic Energy-aware Routing Protocol for WSN.	Dr. Faisal Bashir	Dr. Majid Iqbal
21	Adeel Pervaiz 01-245162-001	MSTN	Adaptive clustering of low energy Nodes in W-BAN	Dr. Kashif Naseer	Dr. Abid Khan
22	Syed Waseem Abbas 01-245162-008	MSTN	Interference Migration using co-operative Relay in W-BAN	Dr. Kashif Naseer	Dr. Abid Khan
23	Farhan Haroon 01-245162-004	MSTN	Contention Reduction by using group based handling of traffic priorities.	Dr. Najam-ul-Islam	Dr. Rizwan Ahmed

Action by: HoD CS, IC

Item 8.34 Inclusion of Experts in the pool of Local Examiners – CS Department, IC

Discussion

108. HoD CS, IC, presented the CVs of local experts for inclusion in the pool of local external examiners (Mathematics) to evaluate the post-graduate theses.

Decision

109. The following list of examiners was approved for inclusion in the pool of local external examiners (Mathematics).



SNo.	Name	Designation	Affiliation	Research Area(s)
1	Dr. Shamsul Qamar	Professor	Comsats, Islamabad.	Computational Fluid Dynamics
2	Dr. Shams Ul Islam	Associate Professor	Comsats, Islamabad.	Computational Fluid Dynamics
3	Dr. Muhammad Qasim	Assistant Professor	Comsats, Islamabad.	Fluid mechanics
4	Dr. Umer Farooq	Assistant Professor	Comsats, Islamabad.	Fluid mechaics
5	Dr. Salman Amin Malik	Assistant Professor	Comsats, Islamabad.	Fractional differential equations
6	Dr. Manshoor Ahmed	Assistant Professor	Comsats, Islamabad.	Computational Fluid Dynamics
7	Dr. Saqib Zia	Assistant Professor	Comsats, Islamabad.	Computational Fluid Dynamics
8	Dr Akbar Azam	Professor	Comsats, Islamabad.	Fuzzy set theory
9	Dr. Saqlain Raza	Assistant Professor	Comsats, Islamabad.	Statistics
10	Dr. Fahad Munir Abbasi	Assistant Professor	Comsats, Islamabad	Fluid Mechanics
11	Dr. Muhammad Suleman	Assistant Professor	Comsats, Islamabad	Computational Mathematics
12	Dr. Rab Nawaz	Assistant Professor	Comsats, Islamabad	Wave Mechanics
13	Dr. Sabir Ali Shahzad	Assistant Professor	Comsats, Sahiwal	Fluid Mechanics
14	Dr. Muhammad Bilal Ashraf	Assistant Professor	Comsats, Wah.	Fluid Mechanics
15	Dr. Babar Ahmad	Assistant Professor	Comsats, Wah.	Computational Fluid Dynamics
16	Dr. Adnan Jahangir	Assistant Professor	Comsats, Wah.	Wave Propagation
17	Dr. Muhammad Sabeel Khan	Assistant Professor	IST, Islamabad	Computational Fluid Dynamics
18	Dr. Danish Ali Sunny	Assistant Professor	IST, Islamabad	Nonlinear Partial Differential Equations
19	Dr. Muhammad Nawaz	Assistant Professor	IST, Islamabad	Applied Mathematics
20	Dr. Waqas Sarwar Abbasi	Assistant Professor	AIR, Islamabad.	Computational Fluid Dynamics
21	Dr. Farman Ullah Khan	Assistant Professor	HITEC, Wah	Computational Mathematics
22	Dr. Ehnber Naheed	Assistant Professor	HITEC, Wah	Fluid Mechanics, Peristaltic Transport
23	Dr. Rashid Mehmood	Assistant Professor	HITEC, Wah	Numerical and Series Solutions
24	Dr. Shagufta Ijaz	Assistant Professor	HITEC, Wah	Fluid Mechanics
25	Dr. Naveed Ahmed	Assistant Professor	HITEC, Wah	Fluid Mechanics, Numerical and Series Solutions
26	Dr. Muhammad	Associate	RIPHAH, Islamabad.	Functional Analysis,



	Asad Zaighum	Professor		Harmonic Analysis
27	Dr. Muhammad Yaqub Khan	Associate Professor	RIPHAH, Islamabad.	Applied Mathematics
28	Dr. Muhammad Sajid	Professor	IIU, Islamabad.	Applied Mathematics
29	Dr. Khadija Maqbool	Assistant Professor	IIU, Islamabad.	Fluid Mechanics
30	Dr. Muhammad Kamran	Associate Professor	Comsats, Wah.	Fluid Mechanics
31	Dr. Azad Akhter Siddiqui	Professor	NUST (SNS), Islamabad.	Mathematical Physics
32	Dr. Rashid Farooq	Assistant Professor	NUST (SNS), Islamabad.	Combinatorial Optimization, Spectral Graph Theory
33	Dr. Tooba Siddiqui	Associate Professor	NUST (SNS), Islamabad.	Mathematics
34	Dr. Mubasher Jamil	Assistant Professor	NUST (SNS), Islamabad.	Mathematical Physics
35	Dr. Muhammad Asif Farooq	Assistant Professor	NUST (SNS), Islamabad.	Computational Mathematics
36	Dr. Mujeeb-ur-Rehman	Associate Professor	NUST (SNS), Islamabad.	Differential Equations
37	Dr. Asim Aziz	Assistant Professor	NUST (EME), Islamabad.	Applied Mathematics, Fluid Mechanics
38	Dr. Noreen Sher Akbar	Assistant Professor	NUST (EME), Islamabad.	Fluid Dynamics
39	Dr. Ahmad Zeeshan	Assistant Professor	IIU, Islamabad.	Fluid Mechanics
40	Dr. Maliha Rashid	Assistant Professor	IIU, Islamabad.	Functional Analysis, Topology
41	Dr. Nasir Ali	Associate Professor	IIU, Islamabad.	Fluid Mechanics
42	Dr. Tariq Javed	Associate Professor	IIU, Islamabad.	Applied Mathematics
43	Dr. Muhammad Naveed	Assistant Professor	KFUEIT, Rahim Yar Khan	Fluid Mechanics
44	Dr. Abdul Ghaffar	Associate Professor	BUIITEMS, Quetta	Computational Mathematics
45	Dr. Masood Khan	Professor	QAU, Islamabad	Fluid Mechanics
46	Dr. Tasawar Hayat	Professor	QAU, Islamabad	Fluid Mechanics
47	Dr. Muhammad Shabir	Professor	QAU, Islamabad	Pure Mathematics
48	Dr. Asif Ali	Associate Professor	QAU, Islamabad	Group Theory
49	Dr. Tariq Shah	Professor	QAU, Islamabad	Cryptography
50	Dr. Sohail Nadeem	Professor	QAU, Islamabad	Applied Mathematics
51	Dr. Muhammad Ayub	Professor	QAU, Islamabad	Wave motion



52	Dr. Tayyab Kamran	Associate Professor	QAU, Islamabad	Pure Mathematics
53	Dr. Umar Hayat	Assistant Professor	QAU, Islamabad	Algebraic Geometry
54	Dr. Amjad Hussain	Assistant Professor	QAU, Islamabad	Harmonic Analysis
55	Dr. Zaheer Abbas	Assistant Professor	IUB, Bahawalpur	Fluid Mechanics
56	Dr. Syed Tayyab Hussain	Assistant Professor	Nust(EME), Islamabad	Fluid Mechanics
57	Dr. Irfan Mustafa	Assistant Professor	AIOU, Islamabad	Fluid Mechanics
58	Dr. Nasir Rehman	Associate Professor	AIOU, Islamabad	Financial Mathematics
59	Dr. Abdul Qayyum	Assistant Professor	Urdu University, Islamabad	Fluid Mechanics
60	Dr. Amer Bilal Mann	Assistant Professor	Urdu University, Islamabad	Fluid Mechanics
61	Dr. Mariam Sheikh	Assistant Professor	University of Sialkot	Fluid Mechanics
62	Dr. Taseer Muhammad	Assistant Professor	GCWUS, Sialkot	Fluid Mechanics
63	Dr. Abuzar Ghaffari	Assistant Professor	U o E, Attock Campus	Fluid Mechanics
64	Dr. Muhammad Mushtaq	Assistant Professor	Comsats, Islamabad.	Computational Fluid Dynamics
65	Dr. Muhammad Aslam Noor	Professor	Comsats, Islamabad.	Variational Inequalities
66	Dr. Muhammad Bilal	Assistant Professor	U o L, Chenab Campus	Fluid Mechanics
67	Dr. Aftab Khan	Professor	Comsats, Islamabad.	Wave Motion
68	Dr. Rashid Farooq	Assistant Professor	NUST	Game Theory
69	Dr. Umar Khan	Assistant Professor	Comsats, Islamabad.	Fluid Mechanics
70	Dr. Yasir Ali	Assistant Professor	NUST	Combinatorial Optimization
71	Dr. Abdullah Shoaib	Assistant Professor	RIPHAH, Islamabad.	Pure Mathematics
72	Dr. Muhammad Ikram Ullah	Assoc. Prof.	Department of Computer Science, University of Gujrat, Pakistan.	Formal Design and Verifications, Machine Learning, Social Network Analysis
73	Dr. Tariq Umer	Assistant Professor	Department of Computer Science COMSATS University Islamabad, Wah Campus, Pakistan	Vehicular Ad-hoc Networks, Internet of Things, Intelligent Transport system, Self-organizing networks

Action by: HoD CS, IC

Item 8.35 Change of Supervisors: PhD Candidates - CS Dept., IC**Discussion**

110. Ms. Romana Talat (01-284181-001) was admitted in the PhD (Computer Science) in Spring 2018. Currently she is doing her course work. She is intending to do her research with Dr. Muhammad Muzammil. Dr. Muzammil was on study leave when she started her PhD and Dr. Sumaira Kausar was appointed as her supervisor.
111. Saneeha Khalid (01-284172-002) is a PhD (CS) scholar and completed her course work in Fall 2018. She had started her PhD under the supervision of Dr. Shagufta Henna. Currently, Dr. Shagufta Henna is on study leave for one year. Ms. Saneeha requested to appoint Dr. Faisal Bashir as her new supervisor. Dr. Shagufta has provided her consent while Dr. Faisal has also accepted the proposition to supervise Ms. Saneeha.
112. FRC was requested to approve the change in the supervisors of Ms. Romana Talat and Ms. Saneeha Khalid.

Decision

113. FRC approved the following appointments of principal supervisors.

SNo.	Scholar's Name	Approved Supervisor
1	Romana Talat (01-284181-001)	Dr. Muhammad Muzammil
2	Saneeha Khalid (01-284172-002)	Dr. Faisal Bashir

Action by: HoD CS, IC

Item 8.36 Appointment of Examiners for PhD Comprehensive Exam - CS Department, IC**Discussion**

114. HoD CS, IC presented the cases of the following PhD students who have completed their course work and need to appear for the PhD comprehensive exam.

SNo.	Name (Enrolment #)	Program	Supervisor	Research Area
1	Saneeha Khalid (01-284172-002)	PhD CS	Dr. Faisal Bashir	Network Security
2	Shahela Saif (01-284181-002)	PhD CS	Dr. Samabia Tehsin	Classification of Human Actions from Visual Data



115. FRC was requested to appoint the panel of examiners and chose appropriate subjects for the comprehensive exam of the listed candidates.

Decision

116. On recommendation of the DRC, FRC approved the following subjects and examiners for the PhD comprehensive exam of the listed candidates.

SNo.	Name (Enrolment #)	Course	Examiner
1	Saneeha Khalid (01-284172-002)	Machine Learning	Dr. Sumaira Kausar
		Pattern Recognition	Dr. Imran Siddiqi
		Advanced Artificial Intelligence	Dr. Sumaira Kausar
		Computer and Network Forensics	Dr. Maleeha (NESCOM)
2	Shahela Saif (01-284181-002)	Machine Learning	Dr. Sumaira Kausar
		Pattern Recognition	Dr. Imran Siddiqi
		Advanced Artificial Intelligence	Dr. Sumaira Kausar
		Advanced Digital Image Processing	Dr. Samabia Tehsin

Action by: HoD CS, IC

Item 8.37 Inclusion of Expert in the List of Foreign Evaluators – CE Department, IC

Discussion

117. HoD CE, IC, presented the CVs of Dr.Fabrizio Granelli, Dr. Raj Kumar Buyya and Dr. Meikang Qiu for recommendation to HERC to include them in the pool of foreign evaluators.

Decision

118. FRC approved the following experts for recommendation to the HERC to include him in the pool of foreign PhD evaluators.

S. No.	Name	Designation/Affiliation	Specialization	Experience
1	Dr.Fabrizio Granelli	Associate Professor/ DISI, Trento	Telecommunication	17 years
2	Dr. Raj Kumar Buyya	Redmond Barry Distinguished Professor / The University of Melbourne, Australia	Cloud Computing and Distributed Systems	16 years
3	Dr. Meikang Qiu	Professor / Pace University New York https://csis.pace.edu/~mqiu/	Machine Learning, Big Data, Cyber Security, Cloud Computing, IoT, CPS, Smart Computing, and Embedded Systems	15 years

Action by: HoD CE, IC

Item 8.38 Extension in the PhD Program: PhD Candidate – CE Department, IC**Discussion**

119. HoD CE, IC presented the case of Mr. Qazi Zia Ullah (Enrolment# 01-281131-007) who is enrolled in the PhD (CE) program. The candidate has submitted his PhD thesis to the department for internal evaluation and currently he is working on the concerns raised by the internal evaluation committee. The candidate has requested an extension of one year in the program duration to complete the degree requirements.

Decision

120. It was pointed out that serious concerns were raised by the evaluation panel during the internal defense of the candidate. The department was instructed to ensure that the concerns of the evaluation panel are timely addressed to ensure the completion of degree requirements within the extended period.
121. In accordance with Para 15.3 of PhD Rules 2017, FRC approved an extension of one year for the PhD candidate Mr. Qazi Zia Ullah (Enrolment# 01-281131-007).

Action by: HoD CE, IC

Item 8.39 Appointment of Examiners for MS Thesis Defense – CE Department, IC**Discussion**

122. HoD CE, IC, presented the cases of the following MS students who have completed their research work and submitted their theses for evaluation. FRC was requested to appoint appropriate internal and external examiners for the MS thesis defense of the listed candidates.

SNo.	Student	Program	Thesis Title	Supervisor
1.	Adnan Azeem (01-242162-001)	MS(CE)	Zone Based Energy Efficient Hierarchical Clustering Protocol	Dr. Shahzad Hassan
2.	Ramsha Baig (01-242162-006)	MS(CE)	Skin Lesion Classification From Dermoscopic Images Using Deep Convolutional Neural Network	Dr. Shehzad Khalid

Discussion

123. On recommendation of DRC, FRC appointed the following panels for the final MS thesis defense of the listed candidates.



SNo.	Student	Program	Thesis Title	Internal Examiner	External Examiner
1.	Adnan Azeem (01-242162-001)	MS(CE)	Zone Based Energy Efficient Hierarchical Clustering Protocol	Dr. Shujaat Khan	Dr. Saleem Iqbal
2.	Ramsha Baig (01-242162-006)	MS(CE)	Skin Lesion Classification From Dermoscopic Images Using Deep Convolutional Neural Network	Dr. Samabia Tehsin	Dr. Mohammad Anwar

Action by: HoD CE, IC

Item 8.40 Appointment of Examiners for PhD Proposal Defense – CE Department, IC

Discussion

124. HoD CE, IC, presented the case of PhD (CE) candidate, Mr. Shehzad Ahmed, Enrolment# 01-281162-003, who was working on the problem titled “Spectrum and energy efficient D2D communication in HetNet”. The candidate has changed his research problem and submitted a fresh research proposal to the department on 22nd January 2019 with the title “Optimal Resource Management in Fog Computing Based Internet of Things”.

125. FRC was requested to appoint a panel of examiners for the PhD proposal defense of the candidate.

Decision

126. On recommendation of DRC, the following panel was appointed for the PhD proposal defense of Mr. Shehzad Ahmed (Enrolment# 01-281162-003).

S No.	Name (Enrolment No.)	Research Problem	Principal Supervisor	Examiners
1.	Mr. Shehzad Ahmed	Optimal Resource Management in Fog Computing Based Internet of Things	Dr. Saleem Aslam	Internal: Dr. Moneeb Gohar External: Dr. Sajjad Ahmad Madani Dr. Jawad Hussain

Action by: HoD CE, IC



Item 8.41 Unsatisfactory Progress Reports PhD Candidate – CE Department, IC

Discussion

127. HoD CE, IC, presented the case of PhD candidate Mr. Waqas Ahmed, Enrolment# 01-281142-004, who is enrolled in the PhD (CE) program under the supervision of Dr. Shehzad Khalid. The candidate received two unsatisfactory progress reports from the supervisor and was repeatedly asked to appear for an interview with the advisory committee. The candidate, however, did not respond to any of the correspondences from the department.
128. The candidate has now received the third unsatisfactory report and is still not reachable. FRC was requested to suggest to future course of action for the concerned PhD candidate.

Decision

129. FRC recommended that a final warning letter should be issued to the candidate to appear before the advisory committee and clear his situation. In case of no show, case for cancellation of admission of Mr. Waqas Ahmed (01-281142-004) may be processed in accordance with the PhD Rules.

Action by: HoD CE, IC

Item 8.42 Inclusion of Experts in the pool of Local Examiners – CE Department, IC

Discussion

130. HoD CE, IC, presented the CVs of local experts for inclusion in the pool of local external examiners to evaluate the post-graduate theses.

Decision

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

S. No.	Name	Designation/Affiliation	Research Area(s)
1	Dr. Syed Hashim Raza Bukhari	Assistant Professor COMSATS University Attock, Pakistan	Wireless Sensor Networks, Cognitive Networks, Wireless Networks
2	Dr. Tausif Zahid	HOD/Riphah College of Science and Technology, Riphah International University, Lahore	SDN, Ad HOC Networks
3	Dr. Munam Ali Shah	Assistant Professor COMSATS University Islamabad, Pakistan	IoT, Smart Infrastructures, VANETs, Network Performance



Action by: HoD CE, IC

Item 8.43 Inclusion of Experts in the pool of Local Examiners – CS Department, LC

Discussion

132. HoD CS, LC, presented the CV of Dr. Muhammad Naveed Yasir for inclusion in the pool of local external examiners to evaluate the post-graduate theses.

Decision

133. Dr. Muhammad Naveed Yasir was approved for inclusion in the pool of local external examiners. His particulars are summarized in the following.

S. No.	Name	Designation/Affiliation	Research Area(s)
1	Dr. Muhammad Naveed Yasir	Assistant Professor, University of Lahore, Lahore	Data Decomposition Techniques, Signal Processing and Decomposition

Action by: HoD CS, LC

Item 8.44 Appointment of Examiners for MS Thesis Defense – CS Department, LC

Discussion

134. HoD CS, LC, presented the cases of the following MS students who have completed their research work and submitted their theses for evaluation. FRC was requested to appoint appropriate internal and external examiners for the MS thesis defense of the listed candidates.

SNo.	Name (Enrolment No.)	Program	Title of thesis	Supervisor (Co-Supervisor)
1	Ayesha Aslam 03-243171-001	MS (CS)	Resolving Security issues in IOT using Blockchain	Mr. Asghar Ali Shah / Dr. Khuram Ehsan
2	Nazia Yameen 03-243171-007	MS (CS)	Amended SQA Practices in Agile	Dr. Muhammad Aasim Qureshi
3	Usman Saleem 03-243171-010	MS (CS)	A Study to investigate And Classify CSF of software project: Software Engineer's Perspective	Dr. Abdul Hafeez
4	Ammar Azeem 03-243171-011	MS (CS)	Brain Computer Interface (BCI) based classification of Electroencephalogram (ECG) using Machine Learning Framework	Dr. Muhammad Aasim Qureshi
5	Muhammad Shujaat	MS (CS)	Detection of Exudates from Fundus Images Using Image Processing Techniques	Dr. Khuram Ehsan / Mr. Nauman Aslam



	03-243162-021			
6	Muhammad Sajid 03-243162-019	MS (CS)	Traffic Modeling for CR Systems in ISM Band	Dr Khurram Ehsan
7	Tahir Zahoor 03-243162-007	MS (CS)	Detecting the Plants Leaf Disease with Image Processing	Mr. Aasim Ali
8	Abrar Saeed 03-243162-015	MS (CS)	Moving object Detection and Tracking in Multiple Cameras	Mr. Asghar Ali Shah

Discussion

135. On recommendation of DRC, FRC appointed the following panels for the final MS thesis defense of the listed candidates.

SNo.	Student	Program	Thesis Title	Internal Examiner	External Examiner
1	Ayesha Aslam 03-243171-001	MS (CS)	Resolving Security issues in IOT using Blockchain	Dr. Abdul Hafeez	Dr. Sagheer Abbas
2	Nazia Yameen 03-243171-007	MS (CS)	Amended SQA Practices in Agile	Dr. Awais Majeed – BUIC	Dr. Tayyaba Anees
3	Usman Saleem 03-243171-010	MS (CS)	A Study to investigate And Classify CSF of software project: Software Engineer's Perspective	Dr. Aasim Qurehsi	Dr. Ansar Siddique
4	Ammar Azeem 03-243171-011	MS (CS)	Brain Computer Interface (BCI) based classification of Electroencephalogram (ECG) using Machine Learning Framework	Dr. Sumaira Kausar - BUIC	Dr. Aamir Shahzad
5	Muhammad Shujaat 03-243162-021	MS (CS)	Detection of Exudates from Fundus Images Using Image Processing Techniques	Dr. Samabia Tehseen - BUIC	Dr. Muhammad Shoaib Farooq
6	Muhammad Sajid 03-243162-019	MS (CS)	Traffic Modeling for CR Systems in ISM Band	Dr. Imtiaz Alam - BUIC	Dr. Muhammad Naveed Yasir
7	Tahir Zahoor 03-243162-007	MS (CS)	Detecting the Plants Leaf Disease with Image Processing	Dr. Imran Siddiqi - BUIC	Dr. Muhammad Shoaib Farooq
8	Abrar Saeed 03-243162-015	MS (CS)	Moving object Detection and Tracking in Multiple Cameras	Dr. Aasim Qureshi	Dr. Muhammad Shahid Fareed

Action by: HoD CS, LC



Item 8.45 Change of PhD research title and Appointment of Supervisor –EES Department, KC

Discussion

136. HoD E&ES, KC presented the case of PhD scholar Mr Arjand Das (Registration No. 48396). The candidate completed his course work in January 2018 and appeared in the PhD comprehensive exam on 30th March 2018. The candidate intends to change his research title and Prof. Dr. Yasmin Nergis has shown her interest in supervision. DRC approved the research title “Recent evaluation of Air pollution in Karachi and its impacts” under supervision of Dr. Yasmin Nergis.
137. FRC was requested to approve the revised research title and appointment of supervisor for PhD candidate Mr. Arjan Das.

Decision

138. It was observed with concern that the candidate has requested for a change of research title when the deadline to defend the proposal is approaching. In accordance with para 25.7 of PhD Rules 2017, the PhD proposal defense must be carried out within one year from passing the comprehensive exam.
139. FRC recommended the change of research title and appointment of Prof. Dr. Yasmin Nergis as supervisor of Mr. Arjan Das. However, considering the fact that the deadline of proposal defense is approaching, final approval of the case along with the request for extension in time to defend the PhD research proposal may be initiated on file by the concerned department for approval from the Competent Authority.

Action by: HoD EES, KC

Item 8.46 Appointment of Co-supervisor, PhD Candidate –EES Department, KC

Discussion

140. HoD E&ES, KC presented the case of PhD scholar Muhammad Jahangir Khan (Registration No. 31405) for appointment of Co-supervisor. Prof. Dr. Mubarik Ali has shown his willingness to co-supervise the scholar.
141. FRC was requested to approve the appointment of Prof. Dr. Mubarik Ali as co-supervisor of Mr. Jahangir Khan.

Decision

142. FRC approved the appointment of Prof. Dr. Mubarik Ali as co-supervisor of Mr. Jahangir Khan (Registration No. 31405).



Action by: HoD EES, KC

Item 8.47 Feedback on Proposal for improving incentives for promotion of research, innovation and commercialization at BU

Discussion

143. Director ORIC informed the house that a proposal for improving the incentives for promotion of research, innovation and commercialization was shared with the departments. The proposal was discussed in the respective DRCs and consolidated recommendations from various departments were invited to be discussed in the FRC.
144. Members of the house appreciated these efforts and supported most of the recommendations in the proposal. The discussion revolved primarily around two points, 5-a and 5-e.
145. A significant proportion of FRC members pointed out that rather than an additional annual increment, the incentive should be linked with the course load. Departments with a standard teaching load of three courses should also have the option to reduce the course load of faculty members as a function of performance in research activities.
146. Members of the house agreed with the importance of funded projects and consultancy services. However, concerns were expressed on recommendations in para 5-e of the proposal. It was pointed out that terms like “Mandatory Requirement” and “Negative Impact on AER” should not be a part of recommendation in an explicit manner.

Decision

147. Para 5-a and 5-e to be revised in the light of comments of the members of FRC-ES. The revised proposal can be presented in the HERC for approval.

Action by: Director ORIC



Closing Remarks

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

A handwritten signature in black ink, consisting of stylized letters and a long horizontal stroke.

March 25, 2019

Prof. Dr. M. Najam-ul-Islam

Chair – FRC, Dean ES