



Meeting Minutes

7th FRC, Faculty of Engineering Sciences

September 28, 2018

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1. The 7th meeting of the Faculty Research Committee of the Faculty of Engineering Sciences (FRC-ES) was held on September 28, 2018 in the Video Conference Room, Quaid Block at 1100 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. Khalid Javed HoD CE Dept., IC
 - v. Dr. Faisal Bashir HoD CS Dept., IC
 - vi. Dr. Humera Farooq HoD CS Dept., KC
 - vii. Mr. Farhan Sheerazi HoD, CS Dept., LC
 - viii. Dr. Atif Raza Jafri HoD, EE Dept., IC
 - ix. Dr. Haroon Rasheed HoD EE Dept., KC
 - x. Dr. Awais Majeed HoD SE Dept., IC
 - xi. Dr. Sohaib Ahmad HoD SE Dept., KC
 - xii. Dr. Muhammad Zafar Snr. Professor, EES Dept., IC
 - xiii. Dr. Mehrab Khan Snr. Professor, EES Dept., KC
 - xiv. Dr. Muhammad Ramzan Snr. Professor, CS Dept, IC
 - xv. Dr. Asim Qureshi ASP, CS Dept., LC
 - xvi. 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.

Old Agenda Items

6. There were no old agenda items.

Fresh Agenda Items

Item 7.1 Approval for Supervisors/Co-Supervisors and Advisory Committees for PhD Students – CS Department, KC

Discussion

7. HoD CS, KC presented the case of the following students who have been admitted to the PhD program in the Fall 2018 semester. FRC was requested to appoint the supervisors, co-supervisors and advisory committees of the candidates.

S. No	Name (Enrolment #)	Research Area
1	Ms. Tooba Mehtab	Machine Learning, Image Processing
2	Ms. Mona Leeza	Machine Learning, Image Processing
3	Ms. Syeda Nazia Ashraf	Machine Learning

Decision

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

S. No	Name (Enrolment #)	Supervisor	Co-Supervisor	Advisory Committee
1	Ms. Tooba Mehtab 02-284182003	Dr. Rizwan Iqbal	Dr. Humera Farooq	1) Dr. Rizwan Iqbal 2) Dr. Humera Tariq 3) Dr. Najeed Ahmed Khan
2	Ms. Mona Leeza 02-284182002	Dr. Rizwan Iqbal	Dr. Humera Farooq	1) Dr. Rizwan Iqbal 2) Dr. Hameed Ullah Kazi 3) Dr. Rana Hammad
3	Ms. Syeda Nazia Ashraf 02-284182001	Dr. Raheel Siddiqi		1) Dr. Raheel Siddiqi 2) Dr. Humera Farooq 3) Dr. Najeed Ahmed Khan

Action by: HoD CS, KC



Item 7.2 Appointment of Examiners for MS Thesis Defense – CS Department, KC

Discussion

9. HoD CS, KC, presented the case of MS student Mr. Tarwan Kumar Khatri (02-243162-010) who has completed his MS research work and is ready for the final defense.

SNo.	Name (Enrolment #)	Supervisor	Program	Thesis Title
1	Mr. Tarwan Kumar Khatri 02-243162-010	Dr. Humera Farooq	MS (CS)	A Hybrid Approach for Emergency Feedback System Using Brain Computing Interface

Decision

10. On recommendation of DRC, FRC appointed the following panel for the final defense of Mr. Tarwan Kumar Khatri.

SNo.	Name (Enrolment #)	Thesis Title	Internal Examiner	External Examiner
1	Mr. Tarwan Kumar Khatri 02-243162-010	A Hybrid Approach for Emergency Feedback System Using Brain Computing Interface	Dr. Sohaib Ahmed	Dr. Humera Tariq

Action by: HoD CS, KC

Item 7.3 Inclusion of Experts in the list of Local External Examiners – CS Department, LC

Discussion

11. HoD CS, LC, presented the CVs of local experts for inclusion in the pool of local external examiners to evaluate MS/PhD theses.

Decision

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



No.	Name	Designation	Affiliation	Research Area(s)
1	Dr Sagheer Abbas	HoD	NCBA&E, Lahore.	<ul style="list-style-type: none">• Integrating Intelligent System design with IoT enabled Framework• Adaptive Control Systems• Artificial General Intelligence• Cloud Computing and Emerging technologies• Quantum Intelligence and Quantum Neural network• Intelligent System Design
2	Dr Shahid Naseem	Assistant Professor	University of Sargodha, Lahore Campus, Lahore	<ul style="list-style-type: none">• Artificial Intelligence• Fuzzy Logic
3	Dr Zeeshan Bhatti	Associate Professor	University of Sindh, Jamshoro	<ul style="list-style-type: none">• Multimedia Animation and Graphics
4	Dr Aamir Shahzad	Assistant Professor	The University of Lahore, Lahore.	<ul style="list-style-type: none">• Teleportation and Telecontrol Mobile robotics
5	Dr Adnan Abid	Associate Professor	University of Management and Technology, Lahore	<ul style="list-style-type: none">• Information Retrieval• Semantic Analysis• Computer Science Education• Programming Language Suitability Evaluation
6	Dr Farooq Ahmad	Associate Professor	COMSATS Institute of Information Technology, Lahore	<ul style="list-style-type: none">• Algorithms• Formal methods for Software Engineering• Formal modelling and simulation• Colored Petri nets
7	Dr Amjad Farooq	Associate Professor	University of Engineering & Technology, Lahore	<ul style="list-style-type: none">• Software Engineering• Semantic Web Engineering• Bioinformatics• Image Processing• Cloud Computing
8	Dr Ansar Siddique	Assistant Professor	University of Gujrat	<ul style="list-style-type: none">• Software engineering



9	Dr Abid Sohail	Assistant Professor	COMSATS Institute of Information Technology, Lahore, Pakistan	<ul style="list-style-type: none"> • Databases and Operational • Intelligence Data Warehousing • Business Process Management • Workflow Management Enterprise Modelling
10	Dr Syed Muhammad Ali	Assistant Professor	Punjab University College of Information Technology	<ul style="list-style-type: none"> • Computer Vision • Machine Learning • Artificial Intelligence.
11	Dr Muhammad Kamran Malik	Assistant Professor	Punjab University College of Information Technology (PUCIT), Lahore	<ul style="list-style-type: none"> • Natural Language Processing • Machine Learning • Deep Learning • Data Science
12	Dr Muhammad khurram Shahzad	Assistant Professor	Punjab University College of Information Technology (PUCIT), University of the Punjab, Lahore	<ul style="list-style-type: none"> • Databases • Data Warehousing • Business Process Management.
13	Dr Muhammad Shahid Farid	Assistant Professor	College of Information Technology, University of the Punjab, Lahore	<ul style="list-style-type: none"> • Information Fusion • Blur Segmentation • Gait Biometrics • 3DTV • 3D video representation
14	Dr Shoaib Farooq	Associate Professor	University of management and Technology, Lahore	<ul style="list-style-type: none"> • Programming Language • Design and Evaluation • Pedagogical Issues in Programming Education • Generic Compiler Design • Information retrieval for Decision • Databases and Systems
15	Khawaja Muhammad Fahd	Lecturer	Riphah International University	Theoretical Computer Science
16	Amjad Iqbal	Associate Professor	University of Central Punjab, Lahore	<ul style="list-style-type: none"> • Artificial intelligence • Pattern Recognition • Theoretical Computer Science



17	Dr M.Hasanain Chaudary	Assistant Professor	COMSATS Institute of Information Technology, Lahore	<ul style="list-style-type: none"> • Broadband Wireless Networks & Signal Processing • Cognitive Radio MIMO • Network Coding • Cooperative Systems
18	Dr. Tayyaba Anees	Assistant Professor	School of Systems and Technology, University of Management and Technology, Lahore	<ul style="list-style-type: none"> • SOA • Communications
19	Madiha Khalid	Lecturer	Punjab University College of Information Technology, Lahore	<ul style="list-style-type: none"> • Parallel algorithms • Frameworks for heterogeneous systems • Pattern Matching
20	Mehwish Kayani	Lecturer	Punjab University College of Information Technology (PUCIT), University of Punjab, Lahore	<ul style="list-style-type: none"> • Data Science • Data Analytics • Recommender systems • Open-Source Programming • Web Semantics
21	Muhammad Shahzad	Lecturer	Institute of Education & Research University of the Punjab, Lahore	<ul style="list-style-type: none"> • Natural Language Processing • Machine Learning
22	Muddassira Arshad	Assistant Professor	Punjab University College of Information Technology, Punjab University, Lahore	<ul style="list-style-type: none"> • Human Computer Interaction • Natural Language Processing • Data Science & Visual Analytics • Software Engineering
23	Saadia Shahzad	Assistant Professor	Punjab University College of Information Technology University of the Punjab, Lahore	High Performance Computing and Computer Vision
24	Abdul Karim	Lecturer	University of Central Punjab	<ul style="list-style-type: none"> • Management • Human Resource
25	Ali Saeed	Lecturer CS	University of	<ul style="list-style-type: none"> • Web Programming



		& IT	Lahore	<ul style="list-style-type: none">• Data Mining• Compiler Construction• Databases
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Action by: Sec., FRC

Item 7.4 Appointment of Examiners for MS Thesis Defense - CS Department, LC

Discussion

13. HoD CS, LC, presented the cases of the following MS students who have completed their research work and are ready for the final defense. FRC was requested to nominate the examination panels for the defense.

No.	Name	Thesis Title
1.	Sara Chaudhry 03-243162-020	Utilizing User Centered Design Methodology for E-Health Services: A Case Study of Pakistan
2.	Fakhra Batool 03-243162-018	An AHP based Hierarchical model for enhancing the Quality of e-government website
3.	Abdual Rehman 03-243162-001	Business process Label based matching on user Sentimental feedback using linguistic text technique
4.	Muhammad Umar Hameed 03-243162-014	Urdu text Summarization
5.	Saadia Aslam 03-243162-12	Title Generation for Urdu text
6.	Maira Ali Chaudhry 03-243162-004	Shortlisting of Candidates for Interviewing process
7.	Rana Nomeer Anjum 03-243162-009	Performance base elective based prediction
8.	Awais Rasool 03-243162-017	Multi Robot Surveillance path planning for moving object
9.	Asad Kamal 03-243162-016	Sentiment Analysis at Aspect-Level of Pakistan Universities

**Decision**

14. Based on the recommendations of the DRC, FRC recommended the following internal and external examiners for MS thesis defense of the listed candidates.

No.	Name	Thesis Title	Internal Examiner	External Examiner
1.	Sara Chaudhry 03-243162-020	Utilizing User Centered Design Methodology for E-Health Services: A Case Study of Pakistan	Dr. Awais Majeed (BUIC)	Dr. Ansar Siddique University of Gujrat
2.	Fakhra Batool 03-243162-018	An AHP based Hierarchical model for enhancing the Quality of e-government website	Dr. Shahid Nazir Bhatti (BUIC)	Dr. Shahid Naseem University of Sargodha, Lahore Campus
3.	Abdual Rehman 03-243162-001	Business process Label based matching on user Sentimental feedback using linguistic text technique	Dr. Abudl Hafeez	Dr. Khurram Shehzad PUCIT, University of Punjab
4.	Muhammad Umar Hameed 03-243162-014	Urdu text Summarization	Dr. M. Asim Qureshi	Dr. M. Kamran PUCIT, University of Punjab
5.	Saadia Aslam 03-243162-12	Title Generation for Urdu text	Dr. M. Asfand-e-Yar (BUIC)	Dr. M. Kamran PUCIT, University of Punjab
6.	Maira Ali Chaudhry 03-243162-004	Shortlisting of Candidates for Interviewing process	Dr. Sumaira Kausar (BUIC)	Dr. Amjad Iqbal UCP, Lahore
7.	Rana Nomeer Anjum 03-243162-009	Performance based elective course prediction	Dr. Humera Farooqa (BUKC)	Dr. Syed Muhammad Ali, PUICT, University of Punjab
8.	Awais Rasool 03-243162-017	Multi Robot Surveillance path planning for moving object	Dr. Khurram Ehsan	Dr. Farooq Ahmed COMSATS Institute of Information Technology, Lahore
9.	Asad Kamal 03-243162-016	Sentiment Analysis at Aspect-Level of Pakistan Universities	Dr. Shehzad Khalid (BUIC)	Dr. Adnan Abid UMT, Lahore

Action by: HoD CS, LC



Item 7.5 Appointment of Examiners, MS Thesis Defense - CS Department, IC

Discussion

15. HoD CS, IC presented the cases of MS students who have completed the research work and are ready for the final thesis defense. Cases of the following students were presented.

SNo.	Name (Enrollment #)	Program	Thesis Title	Supervisor	Co-Supervisor
1	Muhammad Khan (01-243162-008)	MSCS	Brain tumor detection and classification in MRI images	Dr. Sumaira Kausar	-
2	Muhammad Atif Zaman (01-243262-002)	MSCS	Non-small cell cancer detection in Lungs based on CT scan images	Dr. Sumaira Kausar	--
3	Umar Hayat (01-243162-017)	MSCS	Recognition of Urdu Ligatures in Videos	Dr. Imran Siddiqi	--
4	Muhammad Umar Farooq (01-243161-005)	MSCS	Authorship Detection Model Using Descriptive Analysis	Dr. Arif ur Rehman	--
5	Maryam Aslam (01-243162-007)	MSCS	A dynamic online learning framework using Convolutionary Neural Networks	Dr. Muhammad Muzammal	--
6	Muhammad Taseer-ul-islam (01-245171-012)	MSTN	A novel wireless power technique for wireless rechargeable sensor networks	Dr. Shagufta Henna	--
7	Muhammad Zeshan Qurashi (01-245171-014)	MSTN	A learning-based self adaptive MAC for wireless body area networks	Dr. Shagufta Henna	--
8	Asfand Ganai (01-245171-001)	MSTN	A learning based spectrum utilization in underlay cognitive radio networks	Dr. Shagufta Henna	--



Decision

16. On recommendation of the DRC, FRC appointed the following internal and external examiners for the listed MS students.

SNo.	Name (Enrollment #)	Program	Thesis Title	Internal Examiners	External Examiners
1	Muhammad Khan (01-243162-008)	MSCS	Brain tumor detection and classification in MRI images	Dr. Imran Siddiqi	Dr. Farhan Riaz, CEME-NUST
2	Muhammad Atif Zaman (01-243262-002)	MSCS	Non-small cell cancer detection in Lungs based on CT scan images	Dr. Raja Suleman	Dr. M.Usman Akram , CEME-NUST
3	Umar Hayat (01-243162-017)	MSCS	Recognition of Urdu Ligatures in Videos	Dr. Samabia Tehseen	Dr. Ahmad Salman, SEECs-NUST
4	Muhammad Umar Farooq (01-243161-005)	MSCS	Authorship Detection Model Using Descriptive Analysis	Dr. Sabina Akhtar	Dr. Rashid Ahmad, Comsats
5	Maryam Aslam (01-243162-007)	MSCS	A dynamic online learning framework using Convolutionary Neural Networks	Dr. Awais Ahmed	Dr. Abudl Basit, PINSTECH
6	Muhammad Taseer-ul-islam (01-245171-012)	MSTN	A novel wireless power technique for wireless rechargeable sensor networks	Dr. Faisal Bashir	Dr. Rizwan Ahmed, SEECs-NUST
7	Muhammad Zeshan Qurashi (01-245171-014)	MSTN	A learning-based self adaptive MAC for wireless body area networks	Dr. Moneeb Gohar	Dr. Saleem Iqbal, PMAS-AAUR
8	Asfand Ganai (01-245171-001)	MSTN	A learning based spectrum utilization in underlay cognitive radio networks	Dr. Saleem Aslam	Dr. Adnan Akhunzada, CIIT

Action by: HoD CS, IC

Item 7.6 Inclusion of Experts in the pool of Local Examiners - CS Department, IC**Discussion**

17. HoD CS, IC, presented the CVs of local experts for inclusion in the pool of local external examiners to evaluate MS/PhD theses.

Decision

18. 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. Fawad Hussain	Assoc. Prof.	GIK Institute, Pakistan	Big Data, Machine Learning, Data Mining, Artificial Intelligence, Bioinformatics, Information Retrieval
2.	Dr. Rashid Hussain	CIO&GM (Software Dev)	Fauji Foundation	Image Processing, Computer Vision, Machine Learning, ERP
3.	Dr. Naveed Ejaz	Assoc. Prof.	Iqra University, Pakistan	Digital Contents, Visual attention modeling, Image processing
4.	Dr. Tassawar Iqbal	Assistant Professor	COMSATS University Wah Cantt Campus, Pakistan.	Data Analysis, E-Learning, HCI and Semantics

Action by: Sec., FRC

Item 7.7 Inclusion of expert in the pool of Foreign Evaluators - CS Department, IC**Discussion**

19. HoD CS, IC, presented the CVs of Dr. Muzammil Luqman (France) and Dr. Moises Diaz (Spain), for recommendation to HERC to include them in the pool of foreign evaluators.

Decision

20. Dr. Muzammil Luqman and Dr. Moises Diaz were approved by FRC for recommendation to the HERC to include him in the pool of foreign evaluators. His details are summarized in the following.



SNo.	Name	Designation	Affiliation	Research Area(s)
1.	Dr. Muhammad Muzammil Luqman	Research Engineer	L3i Laboratory, University of La Rochelle, France	Pattern Recognition, Document Analysis and Recognition, Graphics Recognition, Computer Vision, Machine Learning
2.	Dr. Moises Diaz	Associate Professor	Universidad del Atlantico Medio, Spain	Pattern Recognition, Computer Vision, Handwriting Analysis, Biometrics, Document Analysis

21. Chair FRC stressed upon the need to enhance the current pool of foreign evaluators. It was decided that all PhD supervisors will submit the recommendation of three foreign evaluators (with consent letter/email) against each of their enrolled PhD students. HoDs will submit the consolidated list of their respective departments by **1st December 2018** to Sec. FRC for further processing.

Action by: Sec., FRC, Chair, FRC

Item 7.8 Drop from PhD Program – CS Department, IC

Discussion

22. HoD CS, IC presented the case of Mr. Immad Ahmed (01-284162-002) who is enrolled in the PhD(CS) program under the supervision of Dr. Arif ur Rehman. Mr. Immad completed his coursework in Fall 2017 and appeared in comprehensive exam on 9th March, 2018 and on 2nd August, 2018. Mr. Immad was unable to pass the comprehensive exam in both the attempts.
23. In accordance with the PG rules, HoD CS, IC requested the FRC to drop the candidate from the PhD(CS) program.

Decision

24. In accordance with the para 24.6 of PhD Rules, FRC approved the case. The concerned department will move the case on file through PGP Directorate.

Action by: HoD CS, IC



Item 7.9 Appointment of Examiners for PhD Proposal Defense – CS Department, IC

Discussion

25. Following PhD Scholars enrolled in the PhD (CS) program have cleared their comprehensive exams and are ready to appear for the PhD Proposal Defence.

S#	Name	Supervisor	CGPA	Comprehensive Exam Date	Result Notifications & Date
1.	Aliya Amir (01-284162-003)	Dr. Muhammad Muzammil	3.33	02-08-2018	PASS (29-08-2018)
2	Rizwan Aamir (01-284171-001)	Dr. Arif ur Rehman	3.67	02-08-2018	PASS (29-08-2018)

26. HoD CS, IC requested the FRC to appoint the evaluation panels for the PhD proposal defense of Ms. Aliya Amir and Mr. Rizwan Amir.

Decision

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

S#	Name	Title	Internal Examiner	External Examiner
1.	Aliya Amir (01-284162-003)	Transfer learning in NLP	Dr. Raja Suleman	<ul style="list-style-type: none">• Dr Hammad Afzal, MCS-NUST• Dr. Usman Qamar, CEME-NUST
2	Rizwan Aamir (01-284171-001)	Curation, Management and Analysis of Big Data	Dr. Awais Ahmed	<ul style="list-style-type: none">• Dr. Amanullah Yasin, CASE• Dr. Fawad Hussain, GIKI

Action by: HoD CS, IC

Item 7.10 Appointment of Supervisors and Advisory Committees for PhD Students - CS Department, IC

Discussion

28. HoD CS, IC, presented the cases of two PhD students who secured admission in the Fall 2018 semester. The appointment of supervisors/co-supervisors and advisory committees of these



students was requested. The concerned students and their proposed titles of research are listed in the following.

SNo.	Name (Enrollment #)	Program	Research Area
1	Maryam Khalid Multani	PhD (CS)	Wireless Sensor Networks
2	Hina Gul	PhD (Maths)	Fluid Dynamics

Decision

29. FRC approved the following supervisors/co-supervisors and advisory committees.

No.	Name	Supervisor	Co-Supervisor	Advisory Committee
1.	Maryam Khalid Multani	Dr. Moneeb Gohar	Dr. Kashif Naseer	Dr. Moneeb Gohar Dr. Faisal Bashir Dr. Saleem Aslam
2.	Hina Gul	Dr. Muhammad Ramzan	-	Dr. Muhammad Ramzan Dr. Jafar Hasnain Dr. Rizwan ul Haq

Action by: HoD CS, IC

Item 7.11 Transfer of Credits – MS Student M. Haroon Khan – CS Dept. IC

Discussion

30. HoD CS, IC, presented the case of Mr. Muhammad Haroon Khan (01-243152-018) who was enrolled in the MSCS program. The candidate was dropped from the program due to low CGPA.

31. The candidate got admission in the MS (IS) program in the Fall 2018 semester and requested for the transfer of credits of the following four courses taken in the MS (CS) program.

- ESC-501 Research Methodology
- CSC 720 Advanced Operating Systems
- CSC 503 Advanced Theory of Computation
- CSC 521 Advanced Design and Analysis of Algorithms

32. HoD CS, IC shared the findings of the departmental equivalence committee with the house as listed in the following.

- Para 16 of MS/MPhil Rules deals with migration to BU from another University and hence is not applicable to the candidate.



- b. In accordance with the Academic Rule 2.4 of the University, a student dropped from a program, once re-admitted to another academic program (in the same or different department), shall be entitled to full transfer of credits in those common (equivalent) courses in which the student scored minimum of B grade.
- c. Furthermore, in accordance with the Academic Rule 4.4, MS students may be permitted to choose up to two inter-disciplinary electives subject to the approval of the concerned departments.

Decision

33. On recommendation of the departmental equivalence committee, FRC approved the transfer of the following courses for Mr. Muhammad Haroon Khan.

- a. ESC-501 Research Methodology
- b. CSC 720 Advanced Operating Systems
- c. CSC 521 Advanced Design and Analysis of Algorithms (Elective)

34. The course “CSC 503 Advanced Theory of Computation” being a pure Computer Science course, we not approved for transfer to the MS (IS) program.

Action by: HoD CS, IC

Item 7.12 Recommendation of Foreign Evaluators, PhD Candidate - CE Department, IC

Discussion

35. PhD (CE) candidate, Mr. Qazi Ziaullah (Enrolment# 01-281131-007) has submitted his PhD thesis to the department for internal evaluation. HoD CE, IC requested the FRC to provide conditional recommendation of foreign evaluators so that subsequent processing can be carried out in time (in case of successful internal mock defence). HoD CE, IC recommended the following evaluators.

Name	Desig.	Affiliation	Country	Specialization
Prof. Fanggang Wang	Prof.	Beijing Jiaotong University, China	China	Telecommunication
Prof. Pascal Lorenz	Prof.	University of Haute Alsace, Colmar, France	France	Telecommunication
Dr. Shengxiang Yang	Prof.	De Montfort University, UK	UK	Computational Intelligence, Informatics
Dr. Valentina Emilia Balas	Prof.	Aurel Vlaicu University of Arad, Romania	Romania	Biomedical engineering, Intelligent Systems.



Decision

36. It was observed that consent has not been sought from the listed foreign experts. Furthermore, the relevance of the listed experts with the research theme of the candidate was not clear.
37. The agenda item as dropped and it was decided that it will be presented in the next FRC with consent from the recommended evaluators. If relevant evaluators are not available in the current pool, fresh names could be suggested for evaluation as well as inclusion in the pool with approval of the HERC.

Action by: None

Item 7.13 Appointment of Supervisors and Advisory Committees for PhD Students - CE Department, IC

Discussion

38. HoD CE, IC, presented the cases of two PhD students who secured admission in the Fall 2018 semester. The appointment of supervisors and advisory committees of these students was requested. The concerned students and their proposed titles of research are listed in the following.

SNo.	Student	Thesis Title
1.	Shahida Khanam	Zone Based Energy Efficient Hierarchical Clustering protocol
2.	Syed Muhammad Usman	Epileptic Seizures Prediction Using EEG Signals

Decision

39. FRC approved the following supervisors and advisory committees for the list PhD candidates.

SNo.	Student	Supervisor	Advisory Committee
1.	Shahida Khanam	Dr. Junaid Imtiaz	Dr. Junaid Imtiaz Dr. Saleem Aslam Dr. Moneeb Gohar
2.	Syed Muhammad Usman	Dr. Shahzad Khalid	Dr. Shahzad Khalid Dr. Amina Jameel Dr. Samabia Tahsin

Action by: HoD CE, IC



Item 7.14 Final PhD Defense of PhD Candidate Israr Uddin - CE Department, IC

Discussion

40. HoD CE, IC presented the case of Mr. Israr Uddin who is enrolled as PhD scholar in the department of Computer Engineering (Enrollment #01-0128121-005). The candidate submitted his PhD thesis for foreign evaluation and the review reports were received in the beginning of August 2018.

41. The candidate has incorporated the corrections/recommendations of the foreign evaluators and the corrections have been verified by the supervisor and is ready for the final defense.

Decision

42. FRC recommended the following examiners for the final PhD defense of Mr. Israr Uddin (Enrollment #01-0128121-005). The recommendations will be submitted to the honourable Rector for the selection of final panel.

SNo.	Student	Thesis Title	Proposed Examiners
1.	Mr. Israr Uddin (01-0128121-005)	Optical Character Recognition for Printed Urdu Nastaliq Font	Internal Examiners <ul style="list-style-type: none">• Dr.Humera Farooq (BUKC)• Dr.Sumaira Kausar External Examiners <ul style="list-style-type: none">• Dr. Fahim Arif, Professor, College of Signals, NUST• Dr. Abdul Basit, Senior Scientist, PINSTECH• Dr.Khawar Khurshid, Assitant Professor, SEECS-NUST

Action by: HoD CE, IC



Item 7.15 Final PhD Defense of PhD Candidate Uzma Jamil - CE Department, IC

Discussion

43. Ms. Uzma Jamil is enrolled as PhD scholar in the department of Computer Engineering (Enrollment #01-281121-004). The candidate is ready for the final defense and her supervisor has requested for the constitution of panel for the defense.

Decision

44. FRC recommended the following examiners for the final PhD defense of Ms.Uzma Jamil (Enrollment #01-0128121-004). The recommendations will be submitted to the honourable Rector for the selection of final panel.

SNo.	Student	Thesis Title	Proposed Examiners
1.	Uzma Jamil (01-0128121-004)	Melanoma Versus Nevus Lesions Classification Using Dermoscopic Images	Internal Examiners <ul style="list-style-type: none">• Dr. Imran Siddiqi• Dr.Samabia Tehseen External Examiners <ul style="list-style-type: none">• Dr. Asif Ullah, Professor, PIEAS• Dr. Amanullah Yasin, Associate Professor, CASE.• Dr. Syed Muhammad Anwar , Associate Professor, UET Taxila,

Action by: HoD CE, IC

Item 7.16 Appointment of Examiners for MS Thesis Defense – CE Department, IC

Discussion

45. HoD, CE, IC presented the cases of MS (CE) students Mr. Zeeshan Haider (Enrollment No. 01-242161-005) and Mr. Kamran Saeed (Enrollment No. 01-242171-009). Both the students are expected to complete their research work in this semester. HoD CE, IC requested the FRC to appoint the examiners for the MS thesis defense of the two candidates.

Decision

46. FRC appointed the following examiners for the listed MS students.



SNo.	Student	Thesis Title	Internal Examiner	External Examiner
1.	Zeeshan Haider (01-242161-005)	FPGA implementation of PRESENT cipher with self-test ability	Dr. Atif Raza Jafri	Dr.Tassadaq Hussain
2.	Kamran Saeed (01-242171-009)	Modeling Cyber Attacks with Empirical Correlation	Dr. Faisal Bashir	Dr.Abid Khan

Action by: HoD CE, IC

Item 7.17 Appointment of Examiners for PhD Proposal Defense – CE Department, IC

Discussion

47. HoD CE, IC presented the case of PhD candidate, Mr. Shehzad Ahmed, Enrolment# 01-281162-003, who will be submitting his PhD proposal to the department. The title of his research is "Spectrum and energy efficient D2D communication in HetNet". HoD CE, IC requested the FRC to appoint the examination panel for the proposal defense of the candidate.

Decision

48. On recommendation of DRC, FRC appointed the following panel for the PhD proposal defense of Mr. Shehzad Ahmed.

SNo.	Student	Thesis Title	Supervisor	Examiners
1.	Shehzad Ahmed (01-281162-003)	Spectrum and energy efficient D2D communication in HetNet	Dr. Saleem Aslam	Internal: Dr. Shahzad Hassan External: Dr. Sajjad Ahmed Madani Dr. Majid Iqbal Khan

Action by: HoD CE, IC

Item 7.18 Change of Supervisor, PhD Candidate - CE Department, IC

Discussion

49. Ms. Maria Ahmad, Enrolment# 01-281181-003, is enrolled in the PhD (CE) program and was working in the guidance of Dr. Shahzad Hassan. According to HEC rules regarding PhD



supervision, Dr. Shahzad Hassan could not supervise PhD scholars hence Dr. Imtiaz Alam was appointed as the principal supervisor of the candidate.

50. Dr. Shahzad Hassan has now completed the post-PhD duration allowing supervision of PhD scholars. HoD CE, IC requested the FRC to appoint Dr. Shahzad Hassan as the principal supervisor of Ms. Maria Ahmad.

Decision

51. FRC approved Dr. Shahzad Hassan as the principal supervisor of PhD candidate Ms. Maria Ahmad (01-281181-003). Details of appointment are summarized in the following.

SNo.	Student	Thesis Title	Principal Supervisor
1.	Maria Ahmad (01-281181-003)	On lifetime Enhancement of heterogenous wireless sensor network	Dr. Shahzad Hassan

Action by: HoD CE, IC

Item 7.19 Appointment of Examiners for MS Thesis Final Defense - EES Department, IC

Discussion

52. HoD EES, IC presented the cases of the following MS students who will defend their theses in the Fall 2018 semester.

S.No.	Name (Enrolment #)	Supervisor (Co-Supervisor)	Program	Thesis Title
1	Ayaz 01-262171-002	Dr. M. Zafar	MS (Geo)	Petrographic and Geotechnical Characterization of Marbles from Bompohka Group Buner KP, Pakistan
2	Humayun Khalil Khan 01-262171-003	Dr. Muhsan Ehsan	MS (Geo)	Integration of Well logs with Geochemical data to evaluate source rock. A case study from Talhar shale Southern Indus Basin Pakistan.
3	Israr ud Din 01-262171-004	Dr. M. Zafar	MS (Geo)	Identification of Landslide Potential sites along Dir Kohistan Road, Upper Dir, KP. Pakistan



4	Jabir Hussain 01-262171-005	Dr. Tahseenullah Khan (Dr. Birkhez Shami)	MS (Geo)	Facies Analysis and Reservoir Evaluation of Nammal Formation, Salt Range, Upper Indus Basin, Pakistan
5	Sohaib Zia 01-262171-007	Dr. Tahseenullah Khan	MS (Geo)	Sedimentological and Petrophysical Studies of Tobra formation, Potwar Plateau, Upper Indus Basin, Pakistan
6	Ubaid Rafiq 01-262171-008	Masood Anwar (Dr. Waqas)	MS (Geo)	Charecterization of Marble of Mohamand Agency based on petrographic, geochemical and physcio-mechanical properties.
7	Usama Hamid 01-262171-009	Mr. Saqib Mehmood (Dr. Samina Jahandad)	MS (Geo)	Geochemical characterization and source Rock evaluation of PatalaShale Kohat Sub Basin, Pakistan
8	M. Adnan Saleem Afridi 01-262171-026	Mr. Saqib Mehmood	MS (Geo)	Petrography and Reservoir Evaluation of Khewra Sandstone, Upper Indus Basin Pakistan.
9	Asad Jamil 01-262171-029	Mr. Mumtaz Ali Khan	MS (Geo)	Microfacies Analysis and Depositional Environment of Chorgali Formation in Khanpur Dam section, South Eastern Hazara Basin, KP, Pakistan.
10	Haroon Aziz 01-262171-030	Dr. Muhsan Ehsan	MS (Geo)	Estimation of Source rock potential of Sembar Formation by integration of well logs and well cutting data, Southern Indus Basin Pakistan
11	Hira Khan Tariq 01-262171-012	Dr. Said Akbar Khan (Farzana Altaf Shah)	MSES	Determination of waste water quality of selected industries effluents of I-9 Industrial State Islamabad Pakistan
12	Muhammad Usama 01-262171-016	Mr. Asif Javed (Dr. Jamshid Rashid)	MSES	Development of visible light active nano material Photocatalysis for the removal of Phenolic compound in waste water
13	Najeeb Ahmed 01-262171-018	Dr. Ansa Rukiya	MSES	Monitoring of pollutant gases and particulate matter in the vicinity of Wah Industrial Area along their impact of inhabitant health status



14	Rabia Kiran 01-262171-019	Mr. Khubaib Abuzar (Dr. Shiekh Saeed)	MSES	Implications of land use and land covered dynamics on tharparker region sind Using Geospatial Tool
15	Sadia Nawaz 01-262171-020	Dr. Asma Jamil	MSES	Isolation and characterization of potential CholoropyrifosDegrading bacteria from soil
16	Saiqa-tul-Kubra 01-262171-021	Mr. M. Khubaib Abuzar	MSES	Assesment and Spatial clustering of road accident on Rawalpindi Pakistan
17	Shazra Khalid 01-262171-022	Mr. Asif Javed (Dr. Jamshid Rashid)	MSES	Assessment of Indegenous bacterial isolates for Diesel Biodegradation potential
18	Tariq Atta Ur Rehman 01-262171-023	Dr. Asma Jamil	MSES	Surveillance of antibiotic resistant E Coli in Islamabad
19	Zaigham Abbas 01-262171-024	Dr. Said Akbar Khan (Farzana Altaf Shah)	MSES	Quantification of Gaseous Air pollutants concentration in sector I-9 and I 10 and Kahutta Triangle Islamabad Pakistan
20	Zulqarnain Ashraf 01-262171-025	Mr. Asif Javed (Dr. Jamshid Rashid)	MSES	PartheniumHysterophourusBiochar for the removal of Leas from contaminated soil
21	Sadia Manzoor 01-262171-028	Dr. Said Akbar Khan (Farzana Altaf Shah)	MSES	Evaluation of physiochemical and heavy metal concentration in Rawal Lake Islamabad, Pakistan

53. HoD EES, IC requested the FRC to appoint internal and external examiners for the presented candidates.

Decision



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

SNo.	Name (Enrolment#)	Program	Thesis Title	Internal Examiner	External Examiner
1	Ayaz 01-262171-002	MS (Geo)	Petrographic and Geotechnical Characterization of Marbles from Bompohka Group Buner KP, Pakistan	Dr. Abid Ali	Mr. Shahid Aziz
2	Humayun Khalil Khan 01-262171-003	MS (Geo)	Integration of Well logs with Geochemical data to evaluate source rock. A case study from Talhar shale Southern Indus Basin Pakistan.	Dr. M. Zafar	Dr. Samina Jahandad
3	Israr ud Din 01-262171-004	MS (Geo)	Identification of Landslide Potential sites along Dir Kohistan Road, Upper Dir, KP. Pakistan	Mr. Masood Anwar	Mr. Shahid Aziz
4	Jabir Hussain 01-262171-005	MS (Geo)	Facies Analysis and Reservoir Evaluation of Nammal Formation, Salt Range, Upper Indus Basin, Pakistan	Mr. Mumtaz Ali Khan	Hafiz Shahzad Anjum
5	Sohaib Zia 01-262171-007	MS (Geo)	Sedimentological and Petrophysical Studies of Tobra formation, Potwar Plateau, Upper Indus Basin, Pakistan	Mr. Saqib Mehmood	Dr. Birkhez Aslam Shami
6	Ubaid Rafiq 01-262171-008	MS (Geo)	Characterization of Marble of Mohamand Agency based on petrographic, geochemical and physico-mechanical properties.	Dr. Muhsan Ehsan	Mr. Aqeel Gohar
7	Usama Hamid 01-262171-009	MS (Geo)	Geochemical characterization and source Rock evaluation of PatalaShale Kohat Sub Basin, Pakistan	Mr. M. Raiees Amjad	Dr. M. Mujtaba
8	M. Adnan Saleem Afridi 01-262171-026	MS (Geo)	Petrography and Reservoir Evaluation of Khewra Sandstone, Upper Indus Basin Pakistan.	Dr. Nosheen Sahir	Mr. Mustafa Yar
9	Asad Jamil 01-262171-029	MS (Geo)	Microfacies Analysis and Depositional Environment of Chorgali Formation in Khanpur Dam section, South Eastern Hazara Basin, KP, Pakistan.	Dr. Tahseenullah Khan	Dr. Birkhez Aslam Shami
10	Haroon Aziz 01-262171-030	MS (Geo)	Estimation of Source rock potential of Sembar Formation by integration of well logs and well cutting	Dr. M. Zafar	Dr. M. Mujtaba



			data, Southern Indus Basin Pakistan		
11	Hira Khan Tariq 01-262171-012	MSES	Determination of waste water quality of selected industries effluents of I-9 Industrial State Islamabad Pakistan	Dr. M. Zafar	Dr. Said Muhammad
12	Muhammad Usama 01-262171-016	MSES	Development of visible light active nano material Photocatalysis for the removal of Phenolic compound in waste water	Umairullah Jamil	Dr. Abida Farooqi
13	Najeeb Ahmed 01-262171-018	MSES	Monitoring of pollutant gases and particulate matter in the vicinity of Wah Industrial Area along their impact of inhabitant health status	Dr. Said Akbar Khan	Dr. Imran shahid
14	Rabia Kiran 01-262171-019	MSES	Implications of land use and land covered dynamics on tharparker region sind Using Geospatial Tool	Mr. Asif Javed	Dr. Muhammad Bashir
15	Sadia Nawaz 01-262171-020	MSES	Isolation and characterization of potential CholoropyrifosDegrading bacteria from soil	Dr. Humera Farah	Dr. Kifayatullah Khan
16	Saiqa-tul-Kubra 01-262171-021	MSES	Assesment and Spatial clustering of road accident on Rawalpindi Pakistan	Fiza Sarwar	Dr. Waqas Qazi
17	Shazra Khalid 01-262171-022	MSES	Assessment of Indegenous bacterial isolates for Diesel Biodegradation potential	Dr. Asma Jamil	Dr. Tariq Sultan
18	Tariq Atta Ur Rehman 01-262171-023	MSES	Surveillance of antibiotic resistant E Coli in Islamabad	Dr. Ansa Rukiya	Dr. Mazhar Iqbal
19	Zaigham Abbas 01-262171-024	MSES	Quantification of Gaseous Air pollutants concentration in sector I-9 and I 10 and Kahutta Triangle Islamabad Pakistan	Dr. Tahseenullah khan	Dr. Jamshaid Rashid
20	Zulqarnain Ashraf 01-262171-025	MSES	PartheniumHysterophourus Biochar for the removal of Leas from contaminated soil	Umairullah Jamil	Dr. Shahid Mahmood
21	Sadia Manzoor 01-262171-028	MSES	Evaluation of physiochemical and heavy metal concentration in Rawal Lake Islamabad, Pakistan	Dr. Humera Farah	Dr. Asiq Muhammad

Action by: HoD EES, IC



Item 7.20 PhD Comprehensive Examination of PhD Geology and PhD Environmental Sciences students of Fall 2017 Intake – E&ES Department, IC

Discussion

55. The following candidates of PhD Geology and PhD Environmental Sciences Program of Fall 2017 intake have completed their course work and their Comprehensive Exam is pending. HoD EES, IC requested the FRC to approve the subjects and the corresponding panels of examiners for the PhD comprehensive exam.

S.No.	Name (Enrolment #)	Program	Supervisor	Thesis Title
1	M. Nofal Munir 01-286172-001	PhD Geology	Prof. Dr. M. Zafar	Pore pressure prediction, geochemical and geomechanical analyses in association with source rock evaluation of early cretaceous shales , Lower Indus Basin, Pakistan
2	Furqan Aftab 01-286172-003	PhD Geology	Prof. Dr. M. Zafar	Quantitative characterization of Sembar Formation as an unconventional reservoir, Lower Indus Basin, Pakistan
3	Adil Naseer 01-286172-004	PhD Geology	Prof. Dr. Tahseenullah Khan	Hazard Risk Assesment w.r.t seismic activities and determination of potential of damaging infrastructure of Northern Areas, Pakistan
4	Adeeb Ahmed 01-286172-005	PhD Geology	Prof. Dr. Tahseenullah Khan	Organic Geochemical Characterization for Source Rock Evaluation of Datta Shale from Upper Indus basin, Pakistan
5	M. Asif Khan 01-286172-007	PhD Geology	Prof. Dr. Tahseenullah Khan	Integrated geological and rock physics approach for reservoir characterization of low porosity tight sandstones of late Cretaceous Kirthar fold belt, Indus Basin Pakistan
6	Aneela Khan 01-286172-002	PhD ES	Dr. Humera Farah	The effect of climate change on cryosphere dynamics and hydrological response in Upper Indus Basin (Gilgit, Shyok and Shigar River basin) Pakistan
7	M. Saqib Ali 01-286172-006	PhD ES	Dr. Humera Farah	Impacts of Climate change on the wheat production pattern in rainfed regions of Punjab
8	Zainab Wahab 01-286172-008	PhD ES	Dr. Humera Farah	Effect of Urbanization on climate change



9	Waqar Ali 01-286172-009	PhD ES	Dr. Said Akbar Khan	Environmental, economic and health impact assessment of waste water reuse in agriculture land, Haripur, Khyber Pahtunkhwa, Pakistan
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Decision

56. Members of the house pointed out that according to the PhD Rules, comprehensive exam of all students completing their coursework in the Spring semester should be conducted by the first week of August.
57. Dean ES and Chair FRC stressed that the PhD comprehensive exam must be conducted timely in accordance with the PhD Rules. The case was approved as a special case in accordance with Para 24.1 of the PhD Rules. The department was also instructed to ensure that the comprehensive exam is conducted by 15th October 2018.
58. On recommendation of the DRC, the following subjects and examiners for the comprehensive exam of the listed candidates of PhD Geology and PhD Environmental Sciences programmes were approved.

SNo.	Name (Enrolment #)	Course	Examiner
1	M. Nofal Munir 01-286172-001	Tectonic Evolution of Pakistan	Prof. Dr. Tahseenullah Khan
		Advanced Petroleum Geology	Dr. Nosheen Sahir
		Hydrocarbon Exploration Techniques	Dr. M. Iqbal Hajana
		Petrophysics	Dr. Muhsan Ehsan
2	Furqan Aftab 01-286172-003	Tectonic Evolution of Pakistan	Prof. Dr. Tahseenullah Khan
		Advanced Petroleum Geology	Dr. Nosheen Sahir
		Hydrocarbon Exploration Techniques	Dr. M. Iqbal Hajana
		Petrophysics	Dr. Muhsan Ehsan
3	Adil Naseer 01-286172-004	Tectonic Evolution of Pakistan	Prof. Dr. Tahseenullah Khan
		Advanced Petroleum Geology	Dr. Nosheen Sahir
		Hydrocarbon Exploration Techniques	Dr. M. Iqbal Hajana
		Advanced Earthquake Seismology	Dr. Abid Ali
4	Adeeb Ahmed	Tectonic Evolution of Pakistan	Prof. Dr. Tahseenullah Khan



	01-286172-005	Advanced Petroleum Geology	Dr. Nosheen Sahir
		Hydrocarbon Exploration Techniques	Dr. M. Iqbal Hajana
		Petrophysics	Dr. Muhsan Ehsan
5	M. Asif Khan 01-286172-007	Tectonic Evolution of Pakistan	Prof. Dr. Tahseenullah Khan
		Advanced Petroleum Geology	Dr. Nosheen Sahir
		Hydrocarbon Exploration Techniques	Dr. M. Iqbal Hajana
		Petrophysics	Dr. Muhsan Ehsan
6	Aneela Khan 01-286172-002	Recent trends in Environmental Sciences	Dr. Said Akbar Khan
		Environmental Health risk Assessment	Dr. Ashiq Muhammad
		Advanced Ecosystem Management	Dr. Aansa Rukiya
		Environmental Pollution and Climate change	Dr. Humera Farah
7	M. Saqib Ali 01-286172-006	Recent trends in Environmental Sciences	Dr. Said Akbar Khan
		Environmental Health risk assessment	Dr. Ashiq Muhammad
		Advanced Ecosystem Management	Dr. Aansa Rukiya
		Environmental Pollution and Climate change	Dr. Humera Farah
8	Zainab Wahab 01-286172-008	Recent trends in Environmental Sciences	Dr. Said Akbar Khan
		Environmental Health risk Assessment	Dr. Ashiq Muhammad
		Advanced Ecosystem Management	Dr. Aansa Rukiya
		Environmental Pollution and Climate change	Dr. Humera Farah
9	Waqar Ali 01-286172-009	Recent trends in Environmental Sciences	Dr. Said Akbar Khan
		Environmental Health risk	Dr. Ashiq Muhammad



		Assessment	
		Advanced Ecosystem Management	Dr. Aansa Rukiya
		Environmental Pollution and Climate change	Dr. Humera Farah

Action by: HoD EES, IC

Item 7.21 Inclusion of Experts in the list of Local External Examiners – EES Department, IC

Discussion

59. 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

60. 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. Jabir H. Syed	Assistant Professor	Department of Meteorology COMSATS Institute of Information Technology (CIIT)	Environmental Monitoring
2	Dr. Wasim Sajjad	Assistant Professor	Department of Multidisciplinary Studies, National University of Medical Sciences, Rawalpindi	Environmental Microbiology
3	Dr. Rukhsanda Aziz	Assistant Professor	Department of Environmental Science, International Islamic University, Islamabad	Environmental Sciences
4	Dr. Muhammad Tariq Rafiq	Assistant Professor	Department of Environmental Science, International Islamic University, Islamabad	Environmental Sciences
5	Dr. Rahmat Ali Gakkhar	Deputy Chief Geologist	Oil & Gas Development Company Limited, Islamabad	Geology
6	Dr. Shamshad Akhtar	Senior Geologist	Oil & Gas Development Company Limited, Islamabad	Geology
7	Dr. Muhammad	Assistant Professor	Department of Geology,	Geology



	Sajid		University of Peshawar	
8	Imran Khan	Senior Lecturer	Iqra National University Peshawar	Environmental Sciences
9	Hafiz Mubasher Anwar	Deputy Director (Exploration)	Directorate General of Petroleum Concessions	Geophysics
10	Mujtaba Mehmood Mongat	Exploration Geophysicist	AEPL, Pakistan	Geophysics
11	Bilal Arshad Mand	Borehole Geophysicist	Weatherford oil & Tool. Islamabad	Geophysics
12	Shahid Aziz	Senior Geologist	Geo Deep Rock Geotech Engineering Services (GDR) Islamabad	Engineering Geology
13	Syed Asad Ali Kazmi	Senior Sub Surface Geoscientist	Weatherford oil & Tool. Islamabad	Geology

Action by: Sec., FRC

Item 7.22 Appointment of Supervisors/Co-Supervisors, PhD Candidates – EES Department,

IC

Discussion

61. HoD EES, IC presented the cases of the following PhD students for appointment of supervisors/co-supervisors.

SNo.	Name (Enrolment #)	Program	Research Area
1	Masood Anwar 01-286162-003	PhD Geology	Physiochemical assessment of selected rocks of northern Pakistan
2	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
3	Furqan Aftab 01-286172-003	PhD Geology	Seismic reservoir characterization studies of Permian reservoirs, Cooper Basin, Australia
4	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
5	Adeeb Ahmed 01-286172-005	PhD Geology	Geotechnical Characterization of Sembar Formation, lower Indus Basin Pakistan
6	Muhammad Asif Khan 01-286172-007	PhD Geology	Integrated rock physics and AVO modeling approach for reservoir characterization of tight sands of the later Craterous, Kirthar fold belt, lower Indus basin, Pakistan



7	Ms. Aneela Khan 01-286172-002	PhD Env. Sciences	The effect of climate change on cryosphere dynamics and hydrological response in Upper Indus Basin (Gilgit, Shyok and Shigar River basin) Pakistan
8	Muhammad Saqib Ali 01-286172-006	PhD Env. Sciences	Impacts of Climate change on the wheat production pattern in rain-fed regions of Punjab
9	Zainab Wahab 01-286172-008	PhD Env. Sciences	Effect of Urbanization on climate change
10	Waqar Ali 01-286172-009	PhD Env. Sciences	Environmental, economic and health impact assessment of waste water reuse in agriculture land, Haripur, Khyber-Pakhtunkhwa, Pakistan
11	Hina Wajid Satti 01-286182-002	PhD Geology	An Integrated, Multi-Disciplinary Approach Utilizing Stratigraphy, Petrophysics and Geophysics to Predict Reservoir Properties of Tight Gas Sandstone in the Lower Indus Basin, Pakistan
12	Sumaira Akram 01-286182-001	PhD Env. Sciences	Evaluation of pesticide residues in honeybee products from various Phytogeographic regions of Pakistan
13	Abdul Shakoor 01-286182-003	PhD Env. Sciences	Climate Change and role of green belts in urban planning (A case study of Islamabad Pakistan)

Decision

62. On recommendation of DRC, FRC approved the following appointments for the listed PhD candidates.

SNo.	Name (Enrolment #)	Program	Supervisor	Co-Supervisor
1	Masood Anwar 01-286162-003	PhD Geology	Prof. Dr. Muhammad Zafar	Dr. Muhammad Sajid, Peshawar University
2	Muhammad Nofal Munir 01-286172-001	PhD Geology	Prof. Dr. Muhammad Zafar	
3	Furqan Aftab 01-286172-003	PhD Geology	Prof. Dr. Muhammad Zafar	Dr. Quaid Khan Jadoon, Department of Geosciences, Economic Geology Research Centre, James Cook University, Townsville, Queensland, Australia
4	Adil Naseer 01-286172-004	PhD Geology	Prof. Dr. Tahseenullah Khan	Dr. Abid Ali, E & ES department Bahria University



5	Adeeb Ahmed 01-286172-005	PhD Geology	Prof. Dr. Tahseenullah Khan	Dr. Samina Jahandad, HDIP Islamabad
6	Muhammad Asif Khan 01-286172-007	PhD Geology	Prof. Dr. Tahseenullah Khan	Dr. Aamir Ali, QAU, Islamabad
7	Ms. Aneela Khan 01-286172-002	PhD Env. Sciences	Dr. Humera Farah	
8	Muhammad Saqib Ali 01-286172-006	PhD Env. Sciences	Dr. Humera Farah	
9	Zainab Wahab 01-286172-008	PhD Env. Sciences	Dr. Humera Farah	
10	Waqar Ali 01-286172-009	PhD Env. Sciences	Dr. Said Akbar Khan	
11	Hina Wajid Satti 01-286182-002	PhD Geology	Prof. Dr. Tahseenullah Khan	
12	Sumaira Akram 01-286182-001	PhD Env. Sciences	Dr. Said Akbar Khan	
13	Abdul Shakoor 01-286182-003	PhD Env. Sciences	Dr. Said Akbar Khan	

Action by: HoD EES, IC

Item 7.23 Appointment of Co-Supervisors for PhD Scholars – EES Department, KC

Discussion

63. HoD EES, KC presented the cases of the following PhD scholars for whom the appointment of appropriate co-supervisors was requested.

SNo.	Student	Supervisor
1	Mr. Muhammad Irfan (Registration No. 9904)	Dr. Salma Hamza
2	Ms. Shaista Mehmud (Registration No. 31406)	Dr. Salma Hamza
3	Mr. Muhammad Jahangir Khan (Registration No. 31405)	Dr. Mehrab Khan



4	Mr. Ahsan Majeed Qureshi (Registration No. 31406)	Dr. Mehrab Khan
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Decision

64. On recommendation of the DRC, FRC approved the following co-supervisors for the listed PhD candidates.

SNo.	Student	Supervisor	Co-Supervisor
1	Mr. Muhammad Irfan (Registration No. 9904)	Dr. Salma Hamza	Dr. Anwar Qadir, Head of Department of Geology University of Haripur
2	Ms. Shaista Mehmud (Registration No. 31406)	Dr. Salma Hamza	
3	Mr. Muhammad Jahangir Khan (Registration No. 31405)	Dr. Mehrab Khan	Dr. Haris Ahmed Khan Assistant professor in geophysics department E&ES (BUKC)
4	Mr. Ahsan Majeed Qureshi (Registration No. 31406)	Dr. Mehrab Khan	

Action by: HoD EES, KC

Item 7.24 Continuation of PhD with existing Supervisor – EES Department, KC

Discussion

65. HoD EES, KC presented the case of PhD scholar Mr. Muhammad Irfan who was working under the supervision of Dr. Mubaraik Ali. Dr. Mubarak Ali has retired from Bahria University on January 31, 2018 and left Karachi. He is now residing in Islamabad. Mr. Muhammad Irfan is presently serving in Naval Headquarters at Islamabad and wants to continue his PhD research work under the supervision of Dr. Mubarak Ali.

66. HoD EES, KC pointed out that Dr. Mubarak Ali has provided his consent to continue the supervision. FRC was requested to allow the candidate complete his research under the supervision of Dr. Mubarak Ali.

Decision

67. Members of the house pointed out that according to PhD Rules, the principal supervisor of a PhD candidate must be a regular/adjunct faculty member of BU. It was, however, also observed that the candidate has carried out significant part of his research under the supervision of Dr. Mubarak Ali. Furthermore, no appropriate supervisor is presently available either at Islamabad or Karachi campus.



68. HOD EES, IC informed the house that Dr. Mubarak Ali is presently serving as visiting faculty member in the department.
69. Taking into account the recommendations of the DRC and those of the members of the FRC, the following was decided.
 - a. Case to be initiated to hire Dr. Mubarak Ali as adjunct faculty in the dept. of EES, BUIC.
 - b. Reformulation of the advisory committee of the candidate to include one member from the Islamabad campus. The candidate will provide a time frame of his future work with milestones and expected date of completion and, regularly report his progress on monthly basis at Islamabad campus.
 - c. The DRC at Karachi campus to closely observe the candidate and ensure that his Quarterly Progress reports are submitted regularly.

Action by: HoDs EES, KC/IC

Item 7.25 Change of PhD Research Topic and Supervisor – EES Department, KC

Discussion

70. HoD EES, KC presented the case of Mr. Arjan Das who was enrolled as PhD candidate in the department of environment sciences, Bahria University Karachi campus under the supervision of Dr. Salma Hamza Assistant Professor E&ES, BUKC. The candidate has completed the PhD course work and has passed comprehensive examination. The proposal defence of the candidate is planned to be held in Fall 2018.
71. Mr. Arjan Das has expressed his desire to change his research topic and supervisor. The candidate now intends to work on geophysical approaches on environmental studies.

Decision

72. Chair FRC expressed his concerns on changing the topic once the proposal defense is planned within the current semester. It was also pointed out that the new topic and supervisor should have been recommended by the DRC.
73. It was decided that the matter should be discussed in the DRC and change of supervisor and topic should be carried out with consent from all stakeholders. The recommendations of DRC can then be presented in the next FRC. Department to ensure that timelines are followed in accordance with the PhD Rules.

Action by: HoD EES, KC



Item 7.26 Inclusion of Experts in the list of Local External Examiners – EES Department, KC

Discussion

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

Decision

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

Sno	Name	Research Area	Designation	Affiliation
1	Dr. Aamir Ali	Petroleum Geosciences	Assistant Professor, Earth Sciences Department, Quaid-e-Azam University	Quaid-e-Azam University
2	Dr. Zulfiqar Ahmad	Hydrogeology/Geo physics	Professor (Retd.)	Retired
3	Dr Mubarik Ali	PhD Geophysics	Sr Professor	Bahria University Karachi campus
4	Dr Ali Rashid Tabrez	PhD Geological Oceanography	Project Director	COMSATS
5	Dr Zahid Afzal Durrani	PhD Geophysics	Chief Geophysicist	PPL

Action by: Sec., FRC

Item 7.27 Appointment of Examiners for MS Thesis Final Defense - SE Department, KC

Discussion

76. HoD SE, KC presented the cases of the following MS students who have completed their research work and will be defending their thesis in the Fall 2018 semester. FRC was requested to appoint the internal and external examiners for the candidates.

S. No.	Name (Enrolment #)	Supervisor (Co-Supervisor)	Program	Thesis Title
1	Ali Akhtar (02-241162-001)	Dr Sohaib Ahmed	MS (SE)	A Statistical-based Continuous Automated Urdu Speech Recognition System using Sphinx-4 Framework



2	Sumayya Abid (02-241162-011)	Dr Moazzam Niazi (Dr Sohaib Ahmed)	MS (SE)	Toward Ontology-based Design Framework for On-Chip MPSoC Systems
3	Mobeen Nazar (02-241162-004)	Dr Rizwan Iqbal	MS (SE)	Usability of numeracy based android application for Down syndrome children
4	Misbah Perveen (02-241162-013)	Dr Rizwan Iqbal	MS (SE)	A data mining-based application to detect cyber bullying behavior in children

Discussion

77. On recommendation of DRC, FRC appointed the following internal and external examiners for the listed MS students.

S. No.	Name (Enrolment #)	Thesis Title	Internal Examiner	External Examiner
1	Ali Akhtar (02-241162-001)	A Statistical-based Continuous Automated Urdu Speech Recognition System using Sphinx-4 Framework	Dr Raheel Siddiqui	Dr Muhammad Sarim
2	Sumayya Abid (02-241162-011)	Toward Ontology-based Design Framework for On-Chip MPSoC Systems	Dr Najam Amin	Dr Aqeel ur Rehman
3	Mobeen Nazar (02-241162-004)	Usability of numeracy based android application for Down syndrome children	Dr Bilal Hameed	Dr Jawwad Shamsi (105)
4	Misbah Perveen (02-241162-013)	A data mining-based application to detect cyber bullying behavior in children	Dr Osama Rehman	Dr Waqas Khan (77)

Action by: HoD SE, KC



Item 7.28 Appointment of Supervisor and Advisory Committee, PhD Candidate – SE Department, KC

Discussion

78. HoD SE, KC, presented the case of PhD candidate Ms. Mahawish who was enrolled in the Fall 2018 semester. FRC was requested to approve the appointment of supervisor and advisory committee for the candidate.

Decision

79. FRC approved the following appointments for PhD candidate Ms. Mahawish.

SNo.	Name (Enrolment #)	Research Area	Supervisor	Co-Supervisor	Advisory Committee
1	Mahawish 02-200182-006	Internet-of-Things	Dr Osama Rehman		1. Dr Osama Rehman 2. Dr Moazzam Niazi 3. Dr Arshad Aziz

Action by: HoD SE, KC

Item 7.29 Inclusion of Experts in the pool of Local Examiners – EE Department, IC

Discussion

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

Decision

81. 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. Muhammad Zahid	Assistant Professor	Riphah International University, Lahore, Pakistan.	Power System Stability, Power Flow Analysis, UPFC & FACTS, Power System Optimization, Microgrids.
2	Dr. Intisar Ali Sajjad	Assistant Professor	University of Engineering and Technology, Taxila, Pakistan.	Smart (mini) Grids, Demand Side Management, Smart Buildings, Modeling and Simulation of Power System Components, Distributed Generation.
3	Dr. Ihsan Ullah	Assistant Professor	COMSATS IIT, Abbottabad, Pakistan.	Multisensor-multitarget tracking, estimation theory, multi-source information fusion and



				radar/sonar/image/speech signal processing.
4	Dr. Naveed Riaz	Head Cyber Security	Pakistan Atomic Energy Commission, Pakistan.	Design and Analysis of Algorithms, Cryptography, Model-based Diagnosis, Digital Image Processing, Distributed Computing.

Action by: Sec., FRC

Item 7.30 Appointment of Examiners for MS Thesis Defence – EE Department, IC

Discussion

82. HoD EE, IC presented the case of The following students of the MS program in the department of Electrical Engineering have submitted their final thesis and are ready to defend their final thesis. FRC was requested to appoint the panels of examiners for the candidates.

SNo.	Name (Enrolment #)	Supervisor (Co-Supervisor)	Program	Thesis Title
1.	Aasim Wakeel 01-244161-013	Dr. Atif Raza Jafri	MS(EE)	Hardware Implementation of forward error Correction (FEC) for Machine Type Communication (MTC).
2.	Adil Qadeer 01-244162-001	Dr. Asad Waqar	MS(EE)	Assessing the Renewable Energy Sources Integration through a series of Technical Performance Indices.
3.	Ahsan Iqbal 01-244162-003	Dr. Asad Waqar	MS(EE)	Design of an Improved Control Strategy Based Unified Power Quality Conditioner for Power Quality enhancement in Microgrid.
4.	Muhammad Bilal 01-244162-009	Dr. Asad Waqar	MS(EE)	Multi Objective dynamic Economic Dispatch of Microgrid Involving Vehicle to grid Bidirectional power Flow.
5.	Muhammad Shahzad Nawaz 01-244161-017	Dr. Asad Waqar	MS(EE)	Multi-Objective Optimization of Microgrid With the Intermittent Sources.
6.	Muhammad Majid Farooq 01-244162-011	Dr. Asad Waqar	MS(EE)	Sizing Combined heat and Power units and domestic building energy cost optimization.
7.	Haji Ahmed 01-244161-003	Dr. Asad Waqar	MS(EE)	Improved Control Strategy For V2G Integrated Micro Grid For Transient Stability Enhancement



8.	Umer Azhar 01-244162-021	Dr. Asad Waqar	MS(EE)	Active and reactive power regulation of a V2G integrated distribution system in 24 hour horizon.
9.	Noor Aziz 01-244162-014	Dr. Asad Waqar	MS(EE)	Optimal Sizing of Fixed battery storage in V2G integrated microgrid under uncertain conditions.
10.	Muhammad Ali 01-244162-024	Dr. Muhammad Aamir	MS(EE)	Slide mode control for parallel inverters of distributive energy resources in microgrid.
11.	Mazhar Fida 01-244161-016	Dr. Muhammad Aamir	MS(EE)	Improvement of Power quality of a smart house using hybrid active power filters.
12.	Ali Rahman 01-244162-004	Dr. Muhammad Aamir	MS(EE)	Design And Analysis of Efficient battery charging/discharging For V2G And G2V Application.
13.	Mubashir Ahmad 01-244162-007	Dr. Muhammad Aamir	MS(EE)	Two-stage highly efficient online ups with PFC for high Power Application.
14.	Hussain Sarwar Khan 01-244162-025	Dr. Muhammad Aamir	MS(EE)	Model predictive Control For parallel inverters of distributive energy resources in microgrid
15.	Muhammad Amjad Farooq 01-244161-007	Dr. Muhammad Aamir	MS(EE)	Design And Analysis of photovoltaic system using Z-source Inverter.
16.	Mohsin Mumtaz 01-244162-022	Dr. Muhammad Aamir	MS(EE)	Generation Optimization For Microgrids Using ETAP
17.	Syed Murtaza Ali Shah Bukhari 01-244162-020	Dr. Imtiaz Alam	MS(EE)	Automobile battery life & health estimation using experimental data Analysis.
18.	Purva Bashir 01-244152-025	Dr. Saleem Alam	MS(EE)	Optimal Channel Allocation for CR Based IOTs Network Empowered Through REFH.

Decision

83. On recommendation of DRC, FRC approved the following examiners for the listed MS candidates.



SNo.	Name (Enrolment #)	Thesis Title	Internal Examiner	External Examiner
1.	Aasim Wakeel 01-244161-013	Hardware Implementation of forward error Correction (FEC) for Machine Type Communication (MTC).	Dr. Khawaja Qasim Maqbool	Dr. Ihsan Ullah
2.	Adil Qadeer 01-244162-001	Assessing the Renewable Energy Sources Integration through a series of Technical Performance Indices.	Dr. Imtiaz Alam	Dr. Wajahat Ullah Khan Tareen
3.	Ahsan Iqbal 01-244162-003	Design of an Improved Control Strategy Based Unified Power Quality Conditioner for Power Quality enhancement in Microgrid.	Dr. M Najam Ul Islam	Dr. Azhar ul Haq
4.	Muhammad Bilal 01-244162-009	Multi Objective dynamic Economic Dispatch of Microgrid Involving Vehicle to grid Bidirectional power Flow.	Dr. Muhammad Aamir	Dr. Shahid Mahmood Khan
5.	Muhammad Shahzad Nawaz 01-244161-017	Multi-Objective Optimization of Microgrid With the Intermittent Sources.	Dr. Muhammad Aamir	Dr. Saqib Haroon
6.	Muhammad Majid Farooq 01-244162-011	Sizing Combined heat and Power units and domestic building energy cost optimization.	Dr. Haroon Rasheed (BUKC)	Dr. Saqib Haroon
7.	Haji Ahmed 01-244161-003	Improved Control Strategy For V2G	Dr. M Najam Ul Islam	Dr. M. Shoaib Khalid

		Integrated Micro Grid For Transient Stability Enhancement		
8.	Umer Azhar 01-244162-021	Active and reactive power regulation of a V2G integrated distribution system in 24 hour horizon.	Dr. M. Raza (BUKC)	Dr. Fida Muhammad Khan
9.	Noor Aziz 01-244162-014	Optimal Sizing of Fixed battery storage in V2G integrated microgrid under uncertain conditions.	Dr. Haroon Rasheed (BUKC)	Dr. M. Shoaib Khalid
10.	Muhammad Ali 01-244162-024	Slide mode control for parallel inverters of distributive energy resources in microgrid.	Dr. M. Raza (BUKC)	Dr. Shahid Mahmood Khan
11.	Mazhar Fida 01-244161-016	Improvement of Power quality of a smart house using hybrid active power filters.	Dr. Asad Waqar	Dr. Intisar Ali Sajjad
12.	Ali Rahman 01-244162-004	Design And Analysis of Efficient battery charging/discharging For V2G And G2V Application.	Dr. Imtiaz Alam	Dr. Syed Hayder Abbas
13.	Mubashir Ahmad 01-244162-007	Two-stage highly efficient online ups with PFC for high Power Application.	Engr. Jehanzeb Ahmad	Dr. Hassan Abdullah Khalid
14.	Hussain Sarwar Khan 01-244162-025	Model predictive Control For parallel inverters of distributive energy resources in microgrid	Dr. Atif Raza Jaffri	Dr. Intisar Ali Sajjad
15.	Muhammad Amjad Farooq	Design And Analysis of photovoltaic system	Engr. Jehanzeb Ahmad	Dr. Salman Amin

	01-244161-007	using Z-source Inverter.		
16.	Mohsin Mumtaz 01-244162-022	Generation Optimization For Microgrids Using ETAP	Dr. Asad Waqar	Dr. Muhammad Seyab Khan
17.	Syed Murtaza Ali Shah Bukhari 01-244162-020	Automobile battery life & health estimation using experimental data Analysis.	Engr. Nadia Sultan	Dr. Syed Hayder Abbas
18.	Purva Bashir 01-244152-025	Optimal Channel Allocation for CR Based IOTs Network Empowered Through REFH.	Dr. Juanid Imtiaz	Dr. Rizwan Ahmed

84. Chair FRC expressed his concerns that few of the thesis topics seem to be similar to one another. HoD/PG Coordinator were requested to ensure presence in the final defense of such theses.

85. Chair FRC also stressed that the departments must ensure that the maximum supervision load for MS theses should not exceed 7 students while that of PhD students should not exceed 5 students. Only in special circumstances where no appropriate supervisor is available, the number of MS students can be increased beyond 7 (provided the total number of students under supervision does not exceed $7+5=12$) with the approval of FRC/Dean.

Action by: HoD EE, IC

Item 7.31 Appointment of Examiners for PhD Proposal Defense - EE Dept., BUIC

Discussion

86. HoD EE, IC presented the case of Ms. Madiha Khalid (01-281162-002) who is enrolled in the PhD (EE) program. The candidate has completed his course work and has passed the comprehensive exam. The candidate will now appear for the PhD proposal defense. FRC was requested to appoint the panel of examiners for the PhD proposal defense of the candidate.

Decision

87. FRC approved the following panel for the PhD proposal defense of Ms. Madiha Khalid.



SNo.	Name (Enrolment #)	Supervisor (Co-Supervisor)	Program	Thesis Title	Internal Examiner	External Examiners
1.	Madiha Khalid 01-281162-002	Dr. M Najam UI Islam (Dr. Umer Mujahid)	PhD (EE)	Security model for structural cryptanalysis.	Dr. Khalid Javed	Dr. Naveed Riaz Dr. Ihsan Ullah Dr. Abid Khan*

*In case any of the first two examiners is not available

Action by: HoD EE, IC

Item 7.32 Change of Nomenclature of Research Groups - EE Dept., BUIC

Discussion

88. HoD EE, IC, presented an overview of the active research groups in the department as listed in the following.

- a. High Speed Digital System Design
- b. Control and communication
- c. Renewable Energy

89. On the recommendation of DRC, it was requested that the nomenclature of the research group at serial number (a) may be changed to 'Circuits and signal processing'.

Decision

90. FRC approved changing the nomenclature of the research group "High Speed Digital System Design" to "Circuits and Signal Processing".

91. Director ORIC informed the house that efforts are being to consolidate the research groups across different departments and campuses.

92. Chair FRC constituted two committees to explore the possibilities of merging different research groups with common or overlapping research interests. The following committees were constituted.

- a. Research Groups Related to Computing
 - i. Dr. Arif-ur-Rehman (CS Dept., BUIC)
 - ii. Dr. Sohaib Ahmed (SE Dept., BUKC)
 - iii. Dr. Abdul Hafeez (CS Dept., BULC)
- b. Research Groups Related to Hardware/Electronics
 - i. Dr. Haroon Rasheed (EE Dept., BUKC)
 - ii. Dr. Saleem Aslam (EE Dept., BUIC)



93. The committees will report their recommendations to Dean ES by 1st of November 2018.

Action by: Chair, FRC

Item 7.33 Inclusion of Experts in the pool of Local Examiners, SE Dept., BUIC

Discussion

94. HoD SE, IC presented the CVs of local experts to add them to the pool of external examiners.

Decision

95. The following experts were added to the pool of local external examiners.

SNo.	Name	Designation	Affiliation	Research Area(s)
1	Dr. Adeel Akram	Professor	Electrical Engineering Department, UET Taxila, Pakistan	Telecommunication Engineering
2	Dr Mohsin Raza	Assistant Professor	Centre for Climate Research & Development (CCRD), COMSATS Institute of Information Technology, Islamabad, Pakistan	Climate Change, Renewable/alternative Energy Policy
3	Dr. Asim Nisar	Associate Professor	CASE, Islamabad	Engineering management

Action by: Sec., FRC

Item 7.34 Appointment of Examiners for MS Thesis Defense – SE Department, IC

Discussion

96. HoD SE, IC presented the case of following MS students who have completed their research work and are ready for the final defense. FRC was requested to appoint the examination panels for these students.

SNo.	Name (Enrolment #)	Supervisor (Co-Supervisor)	Program	Thesis Title
1	Abdullah Yousaf (01-241162-030)	Dr. Tamim Ahmad Khan	MS (SE)	Fault Model Proposal for Service Oriented System Testing
2	Kashif Khan (01-241162-010)	Dr. Sheikh Zahoor Sarwar	MS (SE)	Mapping of Software Engineering Education to Software Industry
3	M Yasir Siddique (01-241162-011)	Dr. Awais Majeed	MS (SE)	A Reference Architecture for Personalization of User Interfaces in Mobile Apps
4	Maryam Liaqat (01-246162-006)	Dr. Sheikh Zahoor Sarwar	MS (EM)	Determining Innovation Policy Blemishes and Developing Framework for Innovation Policy Improvement
5	Syed Mujtaba Hassan (01-246162-018)	Dr. Abdul Baseer Qazi	MS (EM)	Redefining global governance - A theoretical framework for global visa processing
6	Arshman Zahid (01-246162-001)	Dr. Abdul Baseer Qazi	MS (EM)	The impact of social media and social media mobile application usage in replacing traditional media and creating brand equity
7	Usman Ali Butt (01-246162-013)	Dr. Abuld Baseer Qazi	MS (EM)	Determinants of Green Practice Adoption by Pakistani Manufacturing Firms
8	Rida Zahra Hashmi (01-246162-010)	Dr. Tamim Ahmad Khan/ Dr. Sheikh Zahoor Sarwar	MS (EM)	Social Media Impact on the Admission of Higher Education Institutes
9	Khurram Mahmood (01-246162-004)	Dr. Taqadus Bashir	MS (EM)	Analyzing Road Accidents: Contribution of Driver Behaviours
10	Zainub Nayyer (01-246162-015)	Dr. Taqadus Bashir	MS (EM)	Impacts of Weather Change on Road Accidents in Pakistan



11	Pervaiz Akhtar	Dr. Ismail Ramay	MS (EM)	The Impact of Emotional Intelligence on Job Performance: A gender Based Comparison of Software Houses
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Decision

97. On recommendation of DRC, FRC appointed the following internal and external examiners for the final thesis defense of the listed MS candidates.

SNo.	Name (Enrolment #)	Program	Thesis Title	Internal Examiner	External Examiner
1	Abdullah Yousaf (01-241162-030)	MS (SE)	Fault Model Proposal for Service Oriented System Testing	Dr. Awais Majeed	Dr. Mudassar Azam Sindhu
2	Kashif Khan (01-241162-010)	MS (SE)	Mapping of Software Engineering Education to Software Industry	Dr. Raja M Suleman	Dr. Asim Nisar
3	M Yasir Siddique (01-241162-011)	MS (SE)	A Reference Architecture for Personalization of User Interfaces in Mobile Apps	Dr. Shahid Nazir Bhatti	Dr. Hammad Afzal
4	Maryam Liaqat (01-246162-006)	MS (EM)	Determining Innovation Policy Blemishes and Developing Framework for Innovation Policy Improvement	Dr. Farrukh Jaleel	Dr. Tahir Nawaz
5	Syed Mujtaba Hassan (01-246162-018)	MS (EM)	Redefining global governance - A theoretical framework for global visa	Dr. Sabeen Bhatti	Dr. Muhammad Irfanullah Arfeen



			processing		
6	Arshman Zahid (01-246162-001)	MS (EM)	The impact of social media and social media mobile application usage in replacing traditional media and creating brand equity	Dr Ismail Ramay	Dr. Rabeeh Ayaz Abbasi
7	Usman Ali Butt (01-246162-013)	MS (EM)	Determinants of Green Practice Adoption by Pakistani Manufacturing Firms	Dr Ismail Ramay	Dr. Mohsin Raza
8	Rida Zahra Hashmi (01-246162-010)	MS (EM)	Social Media Impact on the Admission of Higher Education Institutes	Dr. Raja M Suleman	Dr Tahir Nawaz
9	Khurram Mahmood (01-246162-004)	MS (EM)	Analyzing Road Accidents: Contribution of Driver Behaviours	Dr. Abdul Baseer Qazi	Dr. Yasir Ahmad
10	Zainub Nayyer (01-246162-015)	MS (EM)	Impacts of Weather Change on Road Accidents in Pakistan	Dr. Shiekh Zahoor Sarwar	Dr. Mohsin Raza
11	Pervaiz Akhtar	MS (EM)	The Impact of Emotional Intelligence on Job Performance: A gender Based Comparison of Software Houses	Dr. Raja Suleman	Dr. Faheem Qaiser Jamal

Action by: HoD SE, IC



Item 7.35 Unsatisfactory Progress Reports, PhD Candidate– SE Department, IC

Discussion

98. HoD SE, IC, presented the case of PhD candidate Mr. Fahad Reyaz (Enrol No: 01-281152-001) who is registered in the PhD (SE) program.
99. Mr. Fahad Reyaz is working under the supervision of Dr. Shahid Nazir Bhatti. The house was informed that the progress of the candidate has been reported unsatisfactory for the 2nd time by his supervisor. The student was informed about this situation through email and a call from the HoD office. The student promised to submit update on his work within a week (latest by 30 August, 2018), however he again failed to do so. Furthermore, the student has failed to contact the Department to date.
100. FRC was requested to suggest the future course of action regarding the aforementioned candidates.

Decision

101. It was observed that the student was enrolled in the program in the Fall 2015 semester and according to the rules applicable to the candidate, three consecutive unsatisfactory reports will lead to termination of the degree program.
102. It was decided that the advisory committee of the candidate will closely observe him and report the progress to the DRC. In case of third unsatisfactory report, the case will be presented again in the FRC.

Action by: HoD SE, IC

Item 7.36 Proposal Defense of PhD Candidate – EE Department, KC

Discussion

103. HoD EE, KC, presented the case of PhD candidate Engr. Arshee Ahmed who has cleared her comprehensive examination in Spring 2018 and needs to appear for the proposal defense. HoD EE, KC requested the FRC to appoint the panel of examiners for the candidate.

Decision

104. On recommendation of DRC, the following panel was appointed for the PhD proposal defense of the candidate.



S No.	Candidate Name	Dissertation Title	Principal Supervisor	Examiners
1.	Engr. Arshee Ahmed (02-281171-001)	Millimetre Wave for VANET using Efficient Coding Techniques	Dr. Haroon Rasheed	a. Dr. Mukesh Kumar (Internal) b. Dr. Hashim Raza (External) NED UET c. Dr. Imran Majid (External)

Action by: HoD EE, KC

Item 7.37 Impending Status of PhD Candidate – EE Department, KC

Discussion

105. HoD EE, KC, presented the case of PhD candidate Engr. Shah Najamus Saqib (Enrolment number 02-281151-002) who completed his course work and cleared his comprehensive exams in Spring 2016. However, due to domestic issues and leaving of his supervisors (First Dr. Murtaza Ali left for Post Doc to UK and second Dr. Naveed Ali left BUKC and joined Fed Urdu University). His Ph.D. proposal defence is still in pending. Dr. Najam Amin was requested to become his supervisor and showed his willingness to supervise him.

106. Dr. Najam Amin asked the candidates written letter, emails and verbally several time to prepare the proposal before the end of spring semester 2018, but the candidate has been unsuccessful to do the same. Furthermore, HOD EE asked him to withdraw the program but he did not reply.

107. FRC was requested to suggest to future course of action of the concerned PhD candidate.

Decision

108. FRC expressed its concerns on the fact that proposal defense of a candidate enrolled in the Spring 2015 semester is still pending.



109. The department was requested to observe the student and issue a warning letter as he has already been issued with two unsatisfactory reports. In case the progress is reported unsatisfactory for the third time by the supervisor, the case should be processed as per policy.

Action by: HoD EE, KC

Item 7.38 Comprehensive Exam of PhD Candidates – EE Department, KC

Discussion

110. HoD EE, KC presented the cases of two PhD candidate, Engr. Muhammad Faisal Siddiqui (Enrolment number 02-281172-002) and Atazaz Hassan (Enrolment number 02-281172-001) who have completed their course work and have to appear for the Ph.D. comprehensive examination. FRC was requested to approve the subjects and examiners for the mentioned PhD candidates.

S.No.	Name (Enrolment #)	Program	Supervisor	Thesis Title
1	Engr. Muhammad Faisal Siddiqui (02-281172-002)	PhD (EE)	Dr. Najam Amin	Ultra low power receiver front end for IoT applications
2	Atazaz Hassan (02-281172-001)	PhD (EE)	Dr. Najam Amin	Inband full duplex transceiver front end for 5G systems

Decision

111. On recommendation of DRC, FRC approved the following subjects and examiners for the listed Phd candidates.

SNo.	Name (Enrolment #)	Course	Examiner
1	Engr. Muhammad Faisal Siddiqui (02-281172-002)	Smart Grid System Operation	Dr. Muhammad Raza
		Electronic Design And Analysis	Dr. Najam Amin
		Stochastic Systems	Dr. Farah Haroon
		Optimization Techniques	Dr. Haroon Rasheed
2	Atazaz Hassan (02-281172-001)	Smart Grid System Operation	Dr. Muhammad Raza
		Electronic Design And Analysis	Dr. Najam Amin



		Stochastic Systems	Dr. Farah Haroon
		Optimization Techniques	Dr. Haroon Rasheed

Action by: HoD EE, KC

Item 7.39 Inclusion of Experts in the List of Foreign Evaluators – EE Department, KC

Discussion

112. HoD EE, KC, presented the CVs of Prof. Ekram Hossain and Prof. Baher Abdulhai for recommendation to HERC to include them in the pool of foreign evaluators.

Decision

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

SNo.	Name	Designation	Affiliation	Research Area(s)
1	Prof. Ekram Hossain	Professor	Electrical and Computer Engineering Department University of Manitoba Canada	Cellular wireless networks, Smart Grid Networks
2	Prof. Baher Abdulhai	Professor	Department of Civil & Mineral Engineering University of Toronto 35 St. George St. Toronto, Ontario Canada, M5S 1A4	Intelligent Transportation Systems, Advanced traffic management and information systems Modelling and simulation for dynamic transportation networks

Action by: Sec., FRC



Closing Remarks

114. 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.

October 2, 2018

Prof. Dr. M. Najam-ul-Islam

Chair – FRC, Dean ES