



FRC Meeting Minutes

13th FRC, Faculty of Engineering Sciences

August 04, 2021

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1. The 13th meeting of the Faculty Research Committee of the Faculty of Engineering Sciences (FRC-ES) was held on August 4th, 2021. The meeting was held online through MS Teams.

Attendees

2. The meeting was attended by the following:
 - i. Dr. Atif Raza Jafri Dean ES, Chair (FRC-ES)
 - ii. Dr. Sohaib Ahmed Principal BSEAS, BUKC
 - iii. Dr. Shahzad Hassan HoD CE Dept., IC
 - iv. Dr. Saba Mehmood (For) HoD CS Dept., IC
 - v. Dr. Ghulam Muhammad (For) HoD CS Dept., KC
 - vi. Dr. Asim Qureshi (For) HoD CS Dept., LC
 - vii. Dr. Junaid Imtiaz HoD, EE Dept., IC
 - viii. Dr. Najam Muhammad Amin HoD EE Dept., KC
 - ix. Dr. Said Akbar Khan HoD EES Dept., IC
 - x. Dr. Aqib Hassan (For) HoD EES Dept., KC
 - xi. Dr. Awais Majeed HoD SE Dept., IC
 - xii. Dr. Osama Rehman HoD SE Dept., KC
 - xiii. Dr. Muhammad Ramzan Snr. Professor, CS Dept, IC
 - xiv. Cdr (Retd) Yasir Sharif Dy. Director, Post-Graduate Programs
 - xv. Dr. Imran Siddiqi Snr. Professor CS Dept., IC (Secretary FRC-ES)
 - xvi. Syed Umaid Ali Faculty Coordinator

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.

Agenda Items

Item 13.1 Appointment of Examiners for MS Thesis Defense

Discussion

6. HoDs from the respective departments of Faculty of Engineering Sciences presented the cases of 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 presented candidates.

Decision

7. On recommendation of the respective DRCs, FRC appointed panels of examiners for the final MS thesis defense of the presented candidates. Details on the candidates and the approved examiners are listed in **Annex-I**.

Action by: Concerned HoDs

Item 13.2 Appointment of Examiners for PhD Proposal Defense

Discussion

8. Candidates listed in **Annex II** and enrolled in PhD programs have cleared their comprehensive exam and are ready to appear for the PhD proposal defense. FRC was requested to appoint appropriate panels of examiners to conduct the PhD proposal defense of the candidates.

Decision

9. On recommendations of the respective DRCs, FRC appointed panels of examiners to conduct the PhD Proposal Defense of the presented candidates. The approved examination panels are listed in **Annex II**. Departments were instructed to ensure that the proposal defense is carried out within the time frame in accordance with the PhD Rules.

Action by: Concerned HoDs



Item 13.3 Inclusion of Experts in the list of Local External Examiners

Discussion

10. Profiles of active researchers in various peer universities/organizations were presented to the FRC for inclusion in the pool of local external examiners to evaluate MS/PhD theses.

Decision

11. FRC approved the examiners listed in **Annex III** for inclusion in the pool of local external examiners.

Action by: Concerned HoDs

Item 13.4 Inclusion of Experts in the List of Foreign Evaluators

Discussion

12. Profiles of various International researchers were presented for recommendation to the HERC to include them in the pool of foreign evaluators to review PhD theses.

Decision

13. FRC approved the profiles of the presented researchers for recommendation to the HERC to include them in the pool of foreign evaluators. Profile summaries of the experts are presented in **Annex IV**.

Action by: Concerned HoDs

Item 13.5 Recommendation of Foreign Evaluators for PhD Candidates

Discussion

14. Cases of PhD scholars listed in **Annex-V** were presented and FRC was requested to provide recommendation of foreign evaluators for subsequent evaluation of the thesis.

Decision

15. On recommendation of the respective DRCs, FRC provided its recommendation for the foreign evaluation of the PhD theses of the presented candidates. Details of candidates and the recommended evaluators are listed in **Annex-V**.

Action by: Concerned HoDs

Item 13.6 Appointment of Examiners for PhD Comprehensive Exam

Discussion

16. HoDs from the respective departments of Faculty of Engineering Sciences presented the cases of students enrolled in the PhD programs (**Annex-VI**). The candidates have completed/are expected to complete, their course work and need to appear for the PhD comprehensive exam. FRC was requested to approve relevant subjects and appoint appropriate examiners for their PhD Comprehensive Exam.

Decision

17. On recommendation of the respective DRCs, FRC approved the subjects and examiners for the PhD Comprehensive Exam of the presented candidates. Details on candidates and approved examiners are



listed in **Annex-VI**.

Action by: Concerned HoDs

Item 13.7 Cancellation of the Candidacy of MS Student

Discussion

18. HoD E&ES, BUIC, presented the case of MS student Sheraz Iqbal (01-262172-026) enrolled in the MS Geo-Physics program. Thesis supervisor of the candidate has submitted three unsatisfactory progress reports to the department. The DRC recommended cancellation of candidacy of the candidate.
19. The case of MS student Muhammad Abdullah Ali (01-262191-031) was presented who is enrolled in the MS (ES) program under the supervision of Dr. Humera Farah. The candidate was given two chances to defend his research proposal, but the candidate could not get his proposal approved. DRC recommended cancellation of candidacy of the candidate.

Decision

20. On recommendation of the DRC and in accordance with paras 25.2 and 24.7.2 of MS/MPhil Rules, FRC approved the cancellation of candidacy of MS students Sheraz Iqbal (01-262172-026) and Muhammad Abdullah Ali (01-262191-031). Subsequent processing is to be carried out by the department in accordance with the MS/MPhil Rules.

Action by: HoD E&ES, BUIC

Item 13.8 Appointment of Co-Supervisor for PhD Student

Discussion

21. HoD CE, BUIC presented the case of PhD candidate Ms. Maria Ahmed (01-281181-003) who is being supervised by Dr. Shahzad Hassan. The title of her research is "Performance Enhancement of HWSN Based on Cognitive Radio". The supervisor of the candidate has requested that Dr. Syed Hashim, Assistant Professor at Comsats, Attock campus, be appointed as the co-supervisor of the candidate.

Decision

22. FRC approved the appointment of Dr. Syed Hashim, Assistant Professor at Comsat, Attock campus, as the co-supervisor of PhD scholar Ms. Maria Ahmed (01-281181-003).

Action by: HoD CE, BUIC



Item 13.9 Appointment of Supervisors and Advisory Committees – PhD Scholar

Discussion

23. HoD EE, IC presented the case of PhD scholar MUHAMMAD YASEEN (01-281201-001) who secured admission in the PhD (EE) program in Spring 2020. FRC was requested to approve the appointment of supervisor, co-supervisor, and advisory committee of the candidate.

Decision

24. On recommendation of the DRC, FRC approved the appointment of supervisor, co-supervisor, and advisory committee of the PhD candidate MUHAMMAD YASEEN (01-281201-001). The details of the appointment are listed in **Annex-VII**.

Action by: HoD EE, IC

Item 13.10 Cancellation of Candidacy PhD Scholars

Discussion

25. HOD CE, IC presented the case of PhD Scholar Qazi Ziaullah (01-281131-007) being supervised by Dr. Shehzad Hassan. The candidate appeared for the PhD Internal Defense (ITD) on April 14, 2021, but he was not able to pass the ITD. The candidate is also time barred and has already availed the 2 extensions. DRC has recommended the cancellation of the candidacy of the scholar.
26. Ms. Shahida Khanum (01-281182-001) enrolled in the PhD (CE) program under the supervision of Dr. Junaid Imtiaz, was granted the approval to start research work in March 2020 and was required to defend her research proposal by March 2021. The scholar could not get her research proposal approved within stipulated time of one year after the comprehensive examination. The supervisor has informed the department that the candidate is non-responsive for the last two quarters and two unsatisfactory progress reports have been submitted. FRC was requested to recommend the cancellation of the candidacy of the PhD scholar.
27. HoD EES, IC presented the case of PhD scholar Muhammad Saqib Ali (01-286172-006) enrolled in the PhD (ES) program under the supervision of Dr. Humera Farah. The candidate did not submit his research proposal to the supervisor within the stipulated time and the DRC has recommended the cancellation of the candidacy of the scholar.

Decision

28. FRC recommended the cancellation of candidacy of the following PhD scholars. Departments to process the cases in accordance with the PhD rules.

S No.	Name (Enrolment #)	Supervisor (Co-Supervisor)	Program	Dept./Campus
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1	Qazi Ziaullah (01-281131-007)	Dr. Shahzad Hassan	PhD CE	CE, BUIC
2	Shahida Khanum (01-281182-001)	Dr. Junaid Imtiaz	PhD CE	CE, BUIC
3	Muhammad Saqib Ali (01-286172-006)	Dr. Humera Farah	PhD ES	EES, BUIC

Action by: Concerned HoDs

Item 13.11 Unsatisfactory Progress Reports – PhD Scholars

Discussion

29. Cases of the following PhD scholars were presented whose supervisors have submitted two unsatisfactory progress reports.

S No.	Name (Enrollment #)	Program	Dept./Campus	Supervisor
1	Muhammad Raiees Amjad (01-286162-001)	PhD Geology	EES, BUIC	Prof. Dr. M. Zafar
2	Saqib Mehmood (01-286162-002)	PhD Geology	EES, BUIC	Prof. Dr. Tahseenullah Khan
3	Masood Anwar (01-286162-003)	PhD Geology	EES, BUIC	Prof. Dr. M. Zafar
4	Adil Naseer (01-286172-004)	PhD Geology	EES, BUIC	Prof. Dr. Tahseenullah Khan
5	Aneela Khan (01-286172-002)	PhD ES	EES, BUIC	Dr. Humera Farah
6	Zainab Wahab (01-286172-008)	PhD ES	EES, BUIC	Dr. Humera Farah
7	Waqar Ali (01-286172-009)	PhD ES	EES, BUIC	Dr. Asma Jamil
8	Shehzad Ahmed 01-281162-003	PhD CE	CE, BUIC	Dr. Saleem Asalm

Decision

30. FRC requested the departments to arrange interviews of the listed candidates with their respective advisory committees. The advisory committees are to find the causes of unsatisfactory performance and guide the students in accordance with Para 27.3 of the PhD Rules.

Action by: Concerned HoDs



Item 13.12 Change of Advisory Committee – PhD Scholars SE Dept. BUKC

Discussion

31. HoD SE, BUKC, presented the case of PhD scholar Engr. Bushra Fazal (02-200181-009). Her title of research is “An agile approach for inquiry-based learning in ubiquitous environment”. The following advisory committee was approved for the candidate in the 5th Meeting of the FRC-ES (Agenda Item 5.27).
- Dr. Sohaib Ahmed
 - Dr. Rizwan Iqbal
 - Dr. Kamran Ahsan

32. The principal supervisor of the candidate, Dr. Sohaib Ahmed, requested to replace Dr. Rizwan Iqbal in the advisory committee with Dr. Syed Samar Yazdani (Sr. Assistant Professor, SE, BUKC) due to better relevancy and expertise in Ubiquitous Computing research area which is a major part of student’s research.

Decision

33. FRC approved the replacement of “Dr. Rizwan Iqbal” with “Dr. Syed Samar Yazdani” in the advisory committee of the PhD candidate Engr. Bushra Fazal (02-200181-009).

Action by: HoD SE, KC

Item 13.13 Change of Supervisor and Internal Examiners– MS Students EES Dept. BUIC

Discussion

34. HoD EES, IC informed the house that Dr. Aansa Rukya Saleem, Senior Assistant Professor, was supervising the following students in their MS research. Dr. Aansa Rukya Saleem has been relieved by the University for her post-doctoral program and will not be able to supervise these students. DRC has recommended Ms. Fiza Sarwar as the supervisor of the listed candidate after consent of all stakeholders. Furthermore, DRC recommended that the internal examiners of these students should also be changed to avoid any conflict of interest.

S. No.	Name (Enrolment #)	Supervisor	Program	Thesis Title
1	Hadia Abrar (01-262182-022)	Dr. Aansa Rukya Saleem	MS ES	Effect of Composite Application of Biochar and Plant Growth Promoting Bacteria on Vigor of Maize Saeed Under Saline Stress
2.	Sidrah Ejaz Bokhari (01-262182-027)	Dr. Aansa Rukya Saleem	MS ES	Potential of Biochar to Ameliorate Wheat Physiology under Salinity Stress
3.	Maria Nawaz (01-262182-028)	Dr. Aansa Rukya Saleem	MS ES	Analysis of Heavy metals and Skin Whitening agents in Skincare Products



Decision

35. On recommendation of the DRC, FRC approved the following appointments (supervisor and internal examiners) for the listed MS students.

S. No.	Student Name (Enrolment #)	Supervisor	Thesis Title	Internal Examiner
1.	Hadia Abrar (01-262182-022)	Ms. Fiza Sarwar	Effect of Composite Application of Biochar and Plant Growth Promoting Bacteria on Vigor of Maize Saeed Under Saline Stress	Dr. Asma Jamil
2.	Sidrah Ejaz Bokhari (01-262182-027)	Ms. Fiza Sarwar	Potential of Biochar to Ameliorate Wheat Physiology under Salinity Stress	Dr. Asma Jamil
3.	Maria Nawaz (01-262182-028)	Ms. Fiza Sarwar	Analysis of Heavy metals and Skin Whitening agents in Skincare Products	Dr. Said Akbar Khan

Action by: HoD EES, IC

Item 13.14 Ratification of Recommendation of Foreign Evaluators – PhD Scholar CE Dept. BUIC

Discussion

36. HoD CE, BUIC, presented the case of PhD scholar Syed Muhammad Usman (01-281182-002) enrolled in the PhD (CE) program under the supervision of Dr. Shehzad Khalid. The recommendation of foreign evaluators for the scholar was processed on file to ensure timely evaluation of the thesis. FRC was requested to ratify the recommendation.

Decision

37. FRC ratified the recommendation of the following foreign evaluators for the PhD thesis of Syed Muhammad Usman (01-281182-002).

- i. Dr Imran Khan Niazi
- ii. Dr Constantino Carlos Reyes
- iii. Dr. Mohamed-Chaker Larabi
- iv. Dr Mahmood Akhtar

Action by: None

Item 13.15 Ratification of Approval of Examiners – PhD Proposal Defense CS Dept. BUIC

Discussion

38. Approval of the PhD proposal defense examiners of Ms. Tabinda Sajjad (01-283191-001), enrolled in PhD Mathematics in the department of CS, BUIC, was processed on file. FRC was requested to ratify the appointments.



Decision

39. FRC ratified the approval of the following examiners for the PhD proposal defense of Ms. Tabinda Sajjad (01-283191-001).

- i. Dr. Meraj Mustafa – External Examiner
- ii. Dr. Sohail Nadeem – External Examiner
- iii. Dr. Jaffer Hussnain – Internal Examiner

Action by: None

Item 13.16 Ratification of Approval of Examiners – MS Thesis Defense CS Dept. BULC

Discussion

40. Approval of the MS thesis defense examiners for MSCS candidate Intakhab Alam (03-243191-004) was processed on file. The title of his research was “Comparative Statistical Analysis of Software Development Models with Six-Pointed Star methodology”. FRC was requested to ratify the appointment of internal and external examiners for the candidate.

Decision

41. FRC ratified the approval of the following examiners for the MS thesis defense of Intakhab Alam (03-243191-004).

- i. Dr. Farrukh Zeeshan – External Examiner
- ii. Dr. Ghulam Mustafa – External Examiner

Action by: None

Item 13.17 Change in the Title of PhD Thesis – PhD Scholars SE Dept. BUIC

Discussion

42. HoD SE, BUIC, presented the cases of the following PhD scholars who have broadened their research work and the supervisor has requested a change in the title of PhD research.

SNo.	Name (Enrolment #)	Program	Supervisor (Co-Supervisor)	Title of Thesis
1	Khurram Mustafa Abbasi (01-281152-002)	PhD (SE)	Dr. Tamim A Khan (Dr. Irfan ul Haq)	Existing: Agent-based Model for Integration of Service Oriented Internet of Things Recommended: A Unified Modeling framework for Internet of things (IOT) systems
2	Sadia Ashraf (01-281152-005)	PhD (SE)	Dr. Tamim A Khan (Dr. Raja M Suleman)	Existing:



				Conceptual Framework for Mapping of Learning Theories with e-Learning Theories to Improve Learning Process through e-Learning Systems at Early Education Recommended: E-Learning systems design framework using conceptual mapping between learning and e-learning theories.
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Decision

43. FRC approved the change of title of research for the presented candidates. The approved titles are listed in the following.

SNo.	Name (Enrolment #)	Program	Supervisor (Co-Supervisor)	Title of Thesis
1	Khurram Mustafa Abbasi (01-281152-002)	PhD (SE)	Dr. Tamim A Khan (Dr. Irfan ul Haq)	A Unified Modeling framework for Internet of things (IOT) systems
2	Sadia Ashraf (01-281152-005)	PhD (SE)	Dr. Tamim A Khan (Dr. Raja M Suleman)	E-Learning systems design framework using conceptual mapping between learning and e-learning theories.

Action by: HoD SE, BUIC

Item 13.18 Transfer of Credits: MS Students – SE Dept. BUIC

Discussion

44. HoD SE, BUIC presented the case of Ms. QURAT UL AIN KIANI (01-241211-007) who secured admission in the MSSE program and requested for transfer of credits from COMSATS Islamabad. The departmental committee submitted the following recommendations.

S. No	Courses applied for TOC/Exemption	Name of University	Marls/ Grade	Equivalent Course at BU in MSSE Roadmap	BU Committee Recommendation
1	Advanced Requirements Engineering	COMSATS University, Islamabad	77/B	Advanced Requirements Engineering	Not Recommended
2	Advanced Software Estimation and Costing	COMSATS University, Islamabad	71/B	Software Metrics	Recommended
3	Advanced Software Project Management	COMSATS University, Islamabad	83/A	Advanced Software Project Management	Recommended
4	Advanced Software Quality Assurance	COMSATS University, Islamabad	80/A	Software Testing & Quality Assurance	Recommended
5	Advanced Software and System Architecture	COMSATS University, Islamabad	70/B	Advanced Software System Architecture	Not Recommended
6	Research Methodology in Software Engineering	COMSATS University, Islamabad	75/B	Research Methodology	Not Recommended



	Semantic Web Enabled Software engineering	COMSATS University, Islamabad	86/A	Course outline doesn't match with any existing course	Not Recommended
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Decision

45. On recommendation of the departmental equivalence committee, the FRC approved the transfer of credits of the following courses for MS student Ms. QURAT UL AIN KIANI (01-241211-007).

S. No	Courses applied for TOC	Equivalent Course at BU in MSSE Roadmap
1	Advanced Software Estimation and Costing	Software Metrics
2	Advanced Software Project Management	Advanced Software Project Management
3	Advanced Software Quality Assurance	Software Testing & Quality Assurance

Action by: HoD SE, BUIC

Item 13.19 Recommendation of Examiners for PhD Final Thesis Defense (FTD)

Discussion

46. Cases of PhD scholars listed in **Annex-VIII** were presented and FRC was requested to provide recommendation of examiners for the final thesis defense of the candidates.

Decision

47. On recommendation of the respective DRCs, FRC provided its recommendation of the FTD examiners for PhD theses of the presented candidates. Details of candidates and the recommended examiners are listed in **Annex-VIII**.

Action by: Concerned HoDs

Item 13.20 Corrections in the Minutes of Previous FRC-ES Meetings

Discussion

48. The house was informed that in recording the decision of Agenda Item 11.12 in the 11th meeting of the FRC-ES, the supervisor's name of PhD scholar Muhammad Irfan (02-282142 -003), enrolled in the EES department BUKC, was mistakenly recorded as Dr. Nergis Yasmin. His supervisor is Dr. Mehrab Khan and FRC was requested to record the correction.

49. With reference to the decision on Agenda item 12.1 in the 12th meeting of the FRC-ES, the internal examiner of MS (CS) student Mr. Muhammad Haroon (03-243191-026), enrolled in the CS department at BULC, was recorded as "Dr. Muhammad Asim Qureshi" instead of "Dr. Asim Ali". The correction was already approved by Chair FRC on file and FRC was requested to record the correction.



Decision

50. For “Dr. Nergis Yasmin” read “Dr. Mehrab Khan” as the PhD thesis supervisor of Muhammad Irfan (02-282142 -003) in the decision on Agenda Item 11.12 in the minutes of the 11th meeting of the FRC-ES.
51. For “Dr. Muhammad Asim Qureshi” read “Dr. Asim Ali” as the internal examiner of Mr. Mr. Muhammad Haroon (03-243191-026), in the decision of Agenda item 12.1 in the 12th meeting of the FRC-ES.

Action by: None

Closing Remarks

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

Dr. Atif Raza Jaffri

Chair – FRC, Dean ES

September 04, 2021



Annex-I: Appointment of Examiners for MS Thesis Defense

Appointment of Examiners for MS Thesis Defense: CE Department, Islamabad Campus

Sr.	Name (Enrolment #)	Thesis Title	Program	Supervisor (Co-Supervisor)	Internal Examiner	External Examiner
1	S. Mohsin Ali Shah 01-242192-008	Classification of EEG Signals for Neuromarketing applications	MS(CE)	Dr. Shehzad Khalid	Dr. Samabia Tehsin	Dr. Arslan Shaukat



Appointment of Examiners for MS Thesis Defense CS Department, Islamabad Campus

Sr.	Name (Enrolment No.)	Thesis Title	Program	Supervisor (Co-Supervisor)	Internal Examiner	External Examiner
1.	Adil Hussain (01-243192-001)	An Intelligent method for intrusion detection system	MS (CS)	Dr. Kashif Naseer	Dr. Faisal Bashir	Dr. Kashif Kifayat
2.	Ayesha Aslam (01-243192-003)	An effective authentication Scheme for vanet	MS (CS)	Dr. Moazam Ali (Dr. Kashif Naseer)	Dr. Moneeb Gohar	Dr. Khalil Afzal
3	Kashif Aman (01-243192-004)	Enhanced novel architecture of proxy-LMA mobility management scheme for software based smart factory networking	MS (CS)	Dr. Moneeb Gohar	Dr. Kashif Naseer	Dr. Khalil Afzal
4.	Muhammad Anas Baig (01-243192-005)	Consensus in IOT devices: A blockchain based supply chain study	MS (CS)	Dr. Muhammad Muzammil	Dr. Muhammad Najam-ul-Islam	Dr. Majid Iqbal Khan
5.	Muhammad Nauman Khalil (01-243192-006)	Protocol implementation and configuration of network devices through network automation using python modules	MS (CS)	Dr. Moazam Ali	Dr. Moneeb Gohar	Dr. Khalil Afzal
6.	Noman Arshad (01-243192-007)	An enhanced method for intrusion detection system attacks	MS (CS)	Dr. Kashif Naseer	Dr Faisal Bashir	Dr. Majid Iqbal Khan
7.	Saman Yasmin (01-243192-009)	Deep feature learning for visual question answering	MS (CS)	Dr. Imran Siddiqi	Dr. Muhammad Muzzamal	Dr. M. Nadeem
8.	Syeda Iqra Gillani (01-243192-011)	Data placement strategy in cloud computing via edge computing	MS (CS)	Dr. Moazam Ali (Dr. Kashif Naseer)	Dr. Arif-ur-Rehman	Dr. Mansoor
9.	Tajamul Shahzad (01-243192-012)	Secure group mobility management using COAP in internet of things (IoTs)	MS (CS)	Dr. Moneeb Gohar	Dr. Moazzam Ali	Dr. Khalil Afzal



10.	Ubaid Ur Rahman (01-243192-013)	Post-Processing and classification of urdu news ticker text from raw OCR output	MS (CS)	Dr. Imran Siddiqi	Dr. Arif-ur-Rehman	Dr. M. Nadeem
11.	Muhammad Bilal (01-249191-006)	Online content veracity assessment using deep representation learning	MS (DS)	Ds. Momina Moetesum (Dr. Samabia Tehsin)	Dr. Asfand E Yar	Dr. Waseem Shahzad
13.	Waqar Kaleem Khan (01-249191-013)	Predicting chemical interaction using deep learning	MS (DS)	Dr. Asfand E Yar	Dr. Sumaira Kausar	Dr. Tassawar Iqbal
14.	Usama Bin Bilal (01-249191-024)	Drug integration prediction using deep learning	MS (DS)	Dr. Asfand E Yar	Dr. Imran Siddiqi	Dr. Abdul Basit
15.	Abdur Rehman (01-249192-002)	Comparative study of classification techniques in data science	MS (DS)	Dr. Arif Ur Rahman	Dr. Muhammad Muzzamal	Dr. Rabeeh Ayaz Abbasi
16.	Adeel Anwar (01-249192-003)	Identification of autism spectrum disorder through facial morphology	MS (DS)	Dr. Imran Siddiqi	Dr. Sumaira Kausar	Dr. Ayaz
17.	Afan Haidar (01-249192-004)	On the fly object category learning	MS (DS)	Mr. Ghulam Ali Mirza (Co. Dr. Imran Ahmed Siddiqi)	Dr. Arif-ur-Rehman	Dr. Waseem Shahzad
18.	Muhammad Farooq (01-249192-007)	Software requirement classification using NLP Technique	MS (DS)	Dr. Arif Ur Rahman	Dr. Sabina Akhtar	Dr. Khurram Khurshid
19.	Noman Javed (01-249192-012)	Anomalous behavior on vocal data using machine learning techniques	MS (DS)	Dr. Muzammal	Dr. Moazzam Ali	Dr. Tariq Umer
20.	Saman Khawar (01-249192-014)	Feature relevance analysis for handwriting based identification of Parkinson's Disease	MS (DS)	Dr. Imran Siddiqi (Dr. Momina Moetesum)	Dr. Asfand E Yar	Dr. Ayaz



21.	Adnan Younas (01-249192-021)	Autism detection through machine learning	MS (DS)	Dr. Sumaira Kausar	Dr. Imran Siddqi	Dr. Farhan Riaz
22.	Ammara Minhas (01-249192-023)	Prediction of dyslexia using machine learning	MS (DS)	Dr. Sumaira Kausar	Dr. Imran Siddqi	Dr. Farhan Riaz
23.	AizazRaziq (01-247192-002)	Lightweight security mechanism for wireless sensor network using cipher techniques	MS (IS)	Dr. Asfand E Yar (Dr. Kashif Naseer)	Dr. Muhammad Najam-ul-Islam	Dr. Tariq Umer
24.	Aneeqa Ahmed (01-247192-003)	Trust management system for edge based IOT Networks	MS (IS)	Dr. Faisal Bashir (Dr. Kashif Naseer)	Dr. Saba Mahmood	Dr. Saleem Iqbal
25.	EhzazArshid (01-247192-005)	Quic based mobility management and multi streaming support	MS (IS)	Dr. Moneeb Gohar	Dr. Faisal Bashir	Dr. Khalil Afzal
26.	Muhammad Bilal (01-247192-008)	Distributed reputation system based on blockchain technology	MS (IS)	Dr. Moazam Ali (Dr. Ibrahim Tariq)	Dr. Muhammad Muzzamal	Dr. Tariq Umer
27.	Sapfa Edris (01-247192-012)	Real time aggregation of intrusion detection alerts using red, black trees on signature patterns	MS (IS)	Dr. Faisal Bashir	Dr. Moneeb Gohar	Dr. Waseem Shahzad
28.	Haifiz Nouman Jamil Hashmi (01-247192-013)	Deep packet inspection with encrypted traffic analysis	MS (IS)	Dr. Muzammil (Dr. Naveed Riaz)	Dr. Moazzam Ali	Dr. Muazzam Khattak
29.	Bushra Khalid (01-247192-014)	Cryptography based solution for wireless sensor networks	MS (IS)	Dr. Kashif Naseer	Dr. Faisal Bashir	Dr. Naveed Riaz
30.	Muhammad Rehman (01-247192-016)	A secure data management framework for supply chain using blockchain	MS (IS)	Dr. Moazam Ali (Dr. Ibrahim Tariq)	Dr. Saba Mahmood	Dr. Waseem Shahzad



31.	Maisam Ali (01-245191-007)	Decision based data routing for drone-enabled internet of things	MS (TN)	Dr. Moazam (Dr. Kashif Naseer)	Dr. Saleem Aslam	Dr. Muazzam Khattak
	Maham Rahman (01-248192-003)	Hybrid nano fluid squeezing flow with hall current and non uniform source/sink	MS (MATHS)	Dr. Ramzan	Dr. Rizwan Ul Haq	Dr. Sadia Hina
32.	Maryam Afsar (01-248192-004)	Impact of hall current and ion slip on hybrid nanofluid flow with non uniform source/sink	MS (MATHS)	Dr. Ramzan	Dr. Rizwan Ul Haq	Dr. Nasir Rehman
33.	Noor Us Saba (01-248192-005)	Hybrid nano fluid flow with modified Fourier law in a rotating frame	MS (MATHS)	Dr. Ramzan	Dr. Jafar	Dr. Muhammad Qasim
34.	RobashQasim (01-248192-006)	Thermal performance of hybrid nano fluid in a rotating channel	MS (MATHS)	Dr. Rizwan Ul Haq	Dr. Jafar	Dr. Bilal Ashraf
35.	Sana Ullah (01-248192-007)	Reiner philipp off fluid with homogeneous-heterogeneous reactions	MS (MATHS)	Dr. Jafar Hasnain	Dr. Nazia	Dr. Tariq Javed
36.	Syed Muhsin Abbas Naqvi (01-248192-009)	Homogeneous-heterogeneous reactions in flow of pseudo-plastic nano-fluids	MS (MATHS)	Dr. Jafar Hasnain	Dr. Nazia	Dr. Nasir Ali
37.	Zeeshan Zahoor (01-248192-010)	Exact solution of stretching/shrinking sheet with dual availability	MS (MATHS)	Dr. Rizwan Ul Haq	Dr. Ramzan	Dr. Tayyab Hussain



Appointment of Examiners for MS Thesis Defense EE Department, Islamabad Campus

Sr.	Name (Enrolment #)	Thesis Title	Program	Supervisor (Co-Supervisor)	Internal Examiners	External Examiners
1	CHAUDHARY AHSAN ALI 01-244201-002	Biomimicry in PV Panels (Optimization of Solar Trackers Using Water Flow Double Glazing Technique)	MS (EE)	Dr. Imtiaz Alam	Engr. Mudasser Wahab	Dr. Jawad Ahmad
2	HAJRA KHAN 01-244201-003	Optimal Battery sizing in Micro Grid Using Machine Learning	MS (EE)	Dr. Imran Fareed Nizami	Dr. Saleem Aslam	Dr. Muhammad Zahid
3	IRAJ ILYAS 01-244201-004	Analysis of Integration of Distributed Energy Resources (DERs) in Microgrid under Demand Response Programs	MS (EE)	Dr. Asad Waqar	Engr. Mudasser Wahab	Dr. Muhammad Zahid
4	MUHAMMAD BILAL 01-244201-006	Improved Performance of DFIG based Wind Turbine for Intermittent Wind Profile and Parameter Variation using Non-Classical Control Techniques	MS (EE)	Engr. Shahab Shahid	Dr. Asad Waqar	Dr. Muhammad Aamir
5	MUHAMMAD FARHAN 01-244201-007	Analysis of Multi-criteria Planning of Smart Microgrids for Rural Electrification	MS (EE)	Dr. Junaid Imtiaz	Engr. Faheem Haroon	Dr. Zeeshan Kaleem
6	MUHAMMAD NOMAN 01-244201-008	Investigation and Reliability Analysis of Transmission Grid of Pakistan	MS (EE)	Dr. Asad Waqar	Dr. Imtiaz Alam	Dr. Jawad Ahmad
7	SHAHZAD AHMAD 01-244201-010	Performance Enhancement of Transmission Networks using FACTS Devices' Placement	MS (EE)	Dr. Asad Waqar	Engr. Syed Umaid Ali	Dr. Jawad Ahmad
8	SOHAIL AZIZ 01-244201-011	Model Predictive Control (MPC) of Bidirectional Interlinking Converter in Hybrid Microgrid	MS (EE)	Engr. Faheem Haroon (Engr. Syed Umaid Ali)	Engr. Nadia Imran	Dr. Muhammad Aamir
9	SYED IRTAZA ALI NAQVI 01-244201-012	High Observer-Gain based Model Predictive Control for Inverters	MS (EE)	Engr. Nadia Imran (Engr. Syed Umaid Ali)	Engr. Maryam Iqbal	Dr. Syed Haider
10	MUHAMMAD SHAHID 01-244201-013	Implementation of Voltage and Current Control in DC microgrid through Single Cost Function of Model Predictive Control (MPC)	MS (EE)	Engr. Faheem Haroon (Engr. Syed Umaid Ali)	Dr. Asad Waqar	Dr. M. Shoaib Khalid
11	AMMAR ALI 01-244202-023	States Estimator based Robust Adaptive Nonlinear Control Strategy for Maximum Power Point Tracking of Standalone Wind Power System	MS (EE)	Dr. Asad Waqar (Engr. Maryam Iqbal)	Engr. Nadia Imran	Dr. M. Shoaib Khalid



Appointment of Examiners for MS Thesis Defense EES Department, Islamabad Campus

S No.	Name (Enrolment #)	Thesis Title	Program	Supervisor (Co-Supervisor)	Internal Examiner	External Examiner
1	Anser Ali Khan (01-262192-001)	Assessment And Treatment of Heavy Metals in Produced Water Through <i>Azadirachta Indica</i> (Neem) Leaves, Nashpa Oil And Gas Field, Karak, Pakistan	MS ES	Dr. Said Akbar Khan	Dr. Asma Jamil	Dr. Ashiq Mohammad
2	Arooj Atiq (01-262192-002)	Toxicity Potential of Lead using Fish (Cyprinus Carpio) as Bioindicator	MS ES	Dr. Asma Jamil	Mr. Syed Umair Ullah Jamil	Dr. Sajida Rasheed
3	Bibi Aftab (01-262192-003)	Mapping Agriculture And Meteorological Droughts Using Modis And Chirps Satellite Data; A Case Study of Rainfed Potohar Region, Pakistan	MS ES	Dr. Humera Farah (Muhammad Arif Goheer)	Dr. Asif Javed	Dr. Arshad Ashraf
4	Farrukh Ihsan Baig (01-262192-004)	Assessment of Drinking Water Quality of Selected Sources in Vicinity of Chenab River Gujrat, Pakistan	MS ES	Dr. Said Akbar Khan	Dr. Asma Jamil	Dr. Javed Nawab
5	Iqra Batool (01-262192-005)	Assessment of Drinking Water Quality From Selected Sources of Talagang Punjab, Pakistan	MS ES	Dr. Said Akbar Khan	Dr. Humera Farah	Dr. Said Muhammad
6	Irum Shehzadi (01-262192-006)	Assessment of Biological and Physicochemical Parameters of Drinking Water Quality of Kotli Sattian Punjab Pakistan	MS ES	Dr. Humera Farah	Dr. Said Akbar Khan	Dr. Sher Jamal
7	Kamran Siddique (01-262192-007)	Bioremediation of Crude Oil Contaminated Water Through Floating Treatment Wetlands	MS ES	Syed Umair Ullah Jamil	Dr. Asma Jamil	Dr. Waqar un Nisa
8	Muhammad Faisal Khan (01-262192-008)	Assessment of EIA Efficacy: Comparison of Societies for Selected Environmental Parameters, Islamabad, Pakistan	MS ES	Dr. Said Akbar Khan	Ms. Fiza Sarwar	Dr. Javed Nawab
9	Syeda Laraib Fatima (01-262192-009)	Spatiotemporal Assessment of LULC Change and Carbon Sequestration During Past Three Decades in KPK Using Geo Spatial Techniques	MS ES	Dr. Humera Farah Dr. Sardar Mohazzam	Dr. Asif Javed	Muhammad Fahim Khokhar
10	Afifa Tassaduq (01-262192-011)	Petrophysical analysis and petrographic studies of Tobra Formation, Potwar Sub Basin, Pakistan	MS GEO	Dr. Muhsan Ehsan (Dr. Birkez Aslam Shami)	Mr. Tausif Ahmed	Dr. Abid Ali
11	Ahmad Khan (01-262192-012)	Analysis of Hydrocarbon Resource Potential of Chichali and Samana Suk Formations, Kohat	MS GEO	Mr. M. Raiees Amjad (Mr. Shoiab Amir)	Mr. Tausif Ahmad	Mr. Mujtaba Mehmood Mongat



		Sub-basin, Pakistan		Faheem)		
12	Gohar Hammyun Khan Raja (01-262192-013)	Comparison of surface and sub-surface reservoir (Sakesar Limestone) properties: A case study from Fimkassar Oil Field, Pakistan	MS GEO	Dr. Muhsan Ehsan (Dr. Birkez Aslam Shami)	Dr. M. Fahad Mehmood	Dr. M. Irfan Ehsan
13	Hassan Akhtar (01-262192-014)	Microfacies Analysis And Diagenetic Alteration In Jurassic Chiltan Limestone, Esha Section, Mirali, North Waziristan, Pakistan: Implication On Reservoir Properties	MS GEO	Ms. Maryam Saleem	Prof. Dr. Tahseenullah Khan	Dr. Abbas Ali Naseem
14	Mahmood Nawaz (01-262192-015)	Depositional and Diagenetic Controls effecting Reservoir properties of Jurassic Samana Suk Formation, Tauda China Section, District Kurram Pakistan	MS GEO	Ms. Maryam Saleem	Mr. Mumtaz Ali Khan	Dr. Abbas Ali Naseem
15	Muhammad Abid Ullah (01-262192-016)	Hydrocarbon Potential of Ghazij Formation, North Waziristan, Khyber Pakhtunkhwa, Pakistan	MS GEO	Dr. Muhsan Ehsan (Dr. Samina Jehandad)	Mr. Saqib Mehmood	Dr. Abid Ali
16	Munir Ali (01-262192-017)	Petrography and Geochemistry of Dolomites of Sirban Member, Mirpur Section Hazara Region, NW Himalayas Pakistan.	MS GEO	Ms. Maryam Saleem	Prof. Dr. M. Zafar	Dr. Abbas Ali Naseem
17	Talha Ali (01-262192-019)	Evaluating Datta Formation as Conventional and Unconventional Hydrocarbon Resource in Kohat sub-basin, Pakistan	MS GEO	Mr. M. Raiees Amjad (Mr. Shoiab Amir Faheem)	Dr. Muhsan Ehsan	Mr. Muyyassar Hussain
18	Waqar Ahmad Sheikh (01-262192-020)	Estimation of Unconventional and Conventional Hydrocarbon Potential of Lower Goru Formation using open hole wireline logs in Middle Indus Basin, Pakistan	MS GEO	Mr. Tausif Ahmed	Mr. Saqib Mehmood	Mr. Hafiz M. Shahzad Anjum
19	Aiza Amjad (01-262192-021)	Static Earthquake Triggering And Seismic Hazard Assessment Of Sulaiman Lobe, Central Indus Basin, Pakistan	MS Geophysics	Ms. Urooj Shakir (Dr. Muhammad Shahid Riaz)	Mr. M. Raiees Amjad	Dr. Abid Ali
20	Anum Ashtiaq (01-262192-022)	3D Seismic Inversion And Petrophysical Analysis of Mubarak Area, Central Indus Basin Pakistan	MS Geophysics	Ms. Urooj Shakir	Dr. M. Fahad Mehmood	Dr. Shazia Asim
21	Eisha Fatima Noor (01-262192-023)	Reservoir Characterization of Sands of Lower Goru Formation through Static Reservoir Modeling using well log and 3D seismic data of NIM-TAY Block, Lower Indus Basin, Sindh, Pakistan	MS Geophysics	Dr. M. Iqbal Hajana	Dr. M. Fahad Mehmood	Dr. M. Zahid Afzal Durrani



22	Iqra Khalid (01-262192-024)	Determining Geophysical Engineering Properties In The Vicinity Of Islamabad And Rawalpindi Using Seismic Refraction Surveying	MS Geophysics	Dr. M. Fahad Mehmood (Dr. Khalid Amin Khan)	Dr. Muhsan Ehsan	Dr. Abid Ali
23	Muhammad Muneeb (01-262192-025)	Complex Velocity Model Building of Fimkassar Area, Upper Indus Basin, Pakistan	MS Geophysics	Dr. M. Fahad Mehmood (Dr. Khalid Amin Khan)	Dr. Muhsan Ehsan	Dr. Shazia Asim
24	Naveed Ahmad (01-262192-026)	Estimating the total volume of running water body: a case study of Peshawar Basin, Pakistan	MS Geophysics	Dr. Muhsan Ehsan	Dr. M. Iqbal Hajana	Dr. Munawar Shah
25	Rabia Irshad (01-262192-027)	AVO Forward Modeling and Gassmann fluid substitution Analysis of Bitrism area, Lower Indus basin, Pakistan	MS Geophysics	Dr. M. Fahad Mehmood (Dr. Khalid Amin Khan)	Ms. Urooj Shakir	Dr. Anees Ahmed Bangash
26	Saira Roshan (01-262192-028)	Seismic Inversion and Rock Physics Modelling Of Pab Sandstone, Zamzama Field, Lower Indus Basin, Pakistan	MS Geophysics	Dr. M. Fahad Mehmood	Ms. Urooj Shakir	Dr. Anees Ahmed Bangash
27	Summan Saeed (01-262192-029)	Reservoir Characterization using Geostatistical Inversion Technique, Zamzama Area	MS Geophysics	Dr. M. Fahad Mahmood	Ms. Urooj Shakir	Mr. Yasir Khan
28	Usama Abbas Butt (01-262192-030)	Seismic Refraction Survey To Determine The Geophysical Engineering Properties Of Islamabad	MS Geophysics	Dr. M. Fahad Mehmood (Dr. Khalid Amin Khan)	Dr. M. Iqbal Hajana	Dr. Zulfiqar Ahmad
29	Amna Bakhtiar (01-262201-001)	Biological, Physicochemical Analysis of Drinking Water of Tench Bhata, Rawalpindi District, Pakistan	MS ES	Dr. Asif Javed	Mr. Syed Umair Ullah Jamil	Dr. Hamid Iqbal
30	Gule Laila Khattak (01-262201-003)	Assessment And Impact of Arsenic Contaminated Soil on Rhizobium Growth	MS ES	Mr. Syed Umair Ullah Jamil	Dr. Asma Jamil	Dr. Nazneen Bangash
31	Iqra Azam (01-262201-005)	Vermiremediation of Petroleum Hydrocarbons From Crude Oil Contaminated Soil Using Eisenia Fetidia	MS ES	Dr. Asma Jamil	Mr. Syed Umair Ullah Jamil	Dr. Hamid Iqbal
32	Mahnoor Baloch (01-262201-006)	Assessment of Physical and Inorganic Selected Contaminants in Drinking Water Quality of Bahria Town, Rawalpindi, Pakistan	MS ES	Dr. Said Akbar Khan	Dr. Asma Jamil	Dr. Hidayat Ullah
33	Rida Obaid (01-262201-007)	Analysis Of Agricultural Soil For Pesticides In Selected Areas Of Sialkot	MS ES	Dr. Asma Jamil	Dr. Humera Farah	Dr. Ashiq Mohammad
34	Sajida Hussain (01-262201-008)	Analysis Of Drinking Water Quality Parameters In Selected Villages Of District	MS ES	Dr. Asma Jamil	Dr. Said Akbar Khan	Prof. Dr. Shaukat Iqbal



		Nagar Gilgit Baltistan				
35	Tooba Akbar (01-262201-010)	Arsenic and Cadmium Contamination of Groundwater In Selected Areas of DG Khan Punjab	MS ES	Dr. Asif Javed	Ms. Fiza Sarwar	Dr. Tariq Sultan
36	Akbar Ali (01-262201-011)	Diagenesis and Reservoir Characterization of Eocene Rock Units in Balakot Area, Hazara Division, Khyber Pakhtunkhwa, Pakistan	MS GEO	Mr. Mumtaz Ali Khan	Ms. Maryam Saleem	Dr. Khalid Latif
37	Hassaan Ahmed Khawaja (01-262201-012)	Geo Technical Investigation and Characteristics of Siesmically Induced Botha Landslide, Muzaffarabad, NW Himalaya	MS GEO	Mr. Mumtaz Ali Khan	Prof. Dr. Tahseenullah Khan	Dr. Muhammad Sajid
38	Jazeb Sohail (01-262201-013)	Geochemical Evaluation of Source Rock of Paleocene Age, Kohat sub-basin, Pakistan	MS GEO	Mr. Saqib Mehmood	Dr. Muhsan Ehsan	Dr Abbas Ali Naseem
39	Khalil ur Rahman (01-262201-014)	Diagenesis and Depositional Setting of Middle Jurassic Chiltan Formation Lower Indus Basin, Pakistan	MS GEO	Ms. Maryam Saleem	Mr. Mumtaz Ali Khan	Dr. Abbas Ali Naseem
40	Majeed Ullah (01-262201-015)	Petrology and economic mineral investigation of Kohistan island arc in Kar Gah Valley, Gilgit, Pakistan	MS GEO	Prof. Dr. Tahseenullah Khan	Prof. Dr. Muhammad Zafar	Dr. Abid Ahmad
41	Muhammad Abdullah (01-262201-016)	Dry hole analysis of Khario-01 using Well and Seismic Data, Southern Indus Basin, Pakistan	MS GEO	Mr. Saqib Mehmood	Mr. Raiees Amjad	Mr. Hafiz Shahzad Anjum
42	Muhammad Imran (01-262201-017)	Fossil Wood from Miocene epoch (Manchar Formation, Sindh): Reconstruction of Paleoclimate and Plaeo-ecology with the help of morphological and Stable Carbon ($\delta^{13}C$) Isotopic studies	MS GEO	Dr. Muhammad Iqbal Hajana	Prof. Dr. Tahseenullah Khan	Dr. Birkez Aslam Shami
43	Muhammad Iqbal (01-262201-018)	Provenance, Distribution, Correlation and Hydrocarbon Potential of Paleocene Sequence of Kirther and Sulaiman Province, Pakistan	MS GEO	Mr. Saqib Mehmood	Ms. Maryam Saleem	Mr. Rana Imran
44	Syed Kamran Ali Sherazi (01-262201-019)	Reservoir Characterization of Pab Sandstone by Petrophysical Analysis Well Data of Bhit-02, Bhit-03, Bhit-04 and Bhit-05, Lower Indus Basin, Pakistan	MS GEO	Dr. Muhammad Iqbal Hajana	Mr. M Raiees Amjad	Mr. Syed Asad Ali Kazmi



45	Syed Moneeb Akhter Gardazi (01-262201-020)	Reservoir Characterization of Sands of Lower Goru Formation by Petrophysical Analysis of Well Data of Baz-01, Beghari-01 Jabo-01, and Jabo-05, Lower Indus Basin, Pakistan.	MS GEO	Dr. Muhammad Iqbal Hajana	Mr. M Raiees Amjad	Mr. Syed Asad Ali Kazmi
46	Bilal Ahmed (01-262201-021)	Integrating Geophysical Studies with Engineering Parameters for Seismic Microsonation	MS Geophysics	Dr. M. Fahad Mahmood	Dr. Muhsan Ehsan	Dr. Zulfiqar Ahmed
47	Manzoor Khan (01-262201-022)	Model Based Inversion to Evaluate Eocene Carbonate Reservoirs of Rajian Area, Upper Indus Basin, Pakistan	MS Geophysics	Mr. M Raiees Amjad (Mr. Muyyassar Hussain)	Dr. M. Fahad Mehmood	Mr. Zahid Ullah Khan
48	Muhammad Hashim Ali (01-262201-023)	Porosity Distribution and Differentiation Of Different Types Of Fluids In Reservoir Of Panjpir Field, Central Indus Basin, Pakistan	MS Geophysics	Dr. Muhsan Ehsan (Dr. M. Fahad Mahmood)	Dr. M. Iqbal Hajana	Dr. Anees Ahmed Bangash
49	Muhammad Nauman Ejaz (01-262201-024)	Litho-fluid identification and quantification of reservoir Using Gassmann Fluid Substitution and Convolutional Neural Network of Balkasar Area, Upper Indus Basin, Pakistan	MS Geophysics	Dr. M. Fahad Mahmood	Mr. M. Raiees Amjad	Dr. Shazia Asim
50	Muhammad Saqib Qureshi (01-262201-025)	Total organic carbon content and total porosity estimation in unconventional resource play using integrated approach	MS Geophysics	Dr. M. Fahad Mahmood	Dr. Muhsan Ehsan	Dr. Anees Ahmed Bangash
51	Niaz Ali (01-262201-026)	Source rock evaluation and reservoir characterization of Dhulian Oil Field, Upper Indus Basin, Pakistan	MS Geophysics	Muhammad Raiees Amjad	Dr. Muhsan Ehsan	Mr. Hafiz Mubasher Anwar
52	Urooj Sikandar (01-262201-027)	An Integrated Approach of Petrophysics and Rock Physics Modelling Using 3D Seismic Data of Duljan Area, Lower Indus Basin, Pakistan	MS Geophysics	Ms. Urooj Shakir	Dr. Muhsan Ehsan	Mr. Muhammad Kamal
53	Usman Zaib (01-262201-028)	Fracture Characterization of Eocene Carbonates using Seismic and Well Data of X field, Potwar Sub Basin, Pakistan	MS Geophysics	Mr. Muhammad Raiees Amjad (Ms. Urooj Shakir)	Dr. M. Iqbal Hajana	Dr. Anees Ahmed Bangash
54	Uswa Shafaqat (01-262201-029)	Reservoir Characterization of Sawan Field using 3D Seismic and Well Log Data, Lower Indus Basin, Pakistan	MS Geophysics	Dr. Muhammad Iqbal Hajana	Dr. Muhsan Ehsan	Mr. M. Maas Siddiqui
55	Zohaib Naseer (01-262201-030)	Comparing Bayesian and Neural Network Supported Litho-Fluid Prediction from Seismic Data of Mehar Block Middle Indus Basin Pakistan.	MS Geophysics	Dr. M. Fahad Mahmood	Dr. Muhsan Ehsan	Dr. Anees Ahmed Bangash



56	Muhammad Ahsan Khan (01-262182-033)	Solid Waste Generation, Categorization And Calculation of Its Recycling Potential In Bahria Town Phase 1-8, Islamabad	MS ES	Ms. Fiza Sarwar	Dr. Asma Jamil	Dr. Waqar un Nisa
57	Sadaqat Ali (01-262182-010)	Comparison of Seismic Inversion Techniques, Mehar Block, Lower Indus Basin, Pakistan	MS Geophysics	Ms. Urooj Shakir	Dr. M. Iqbal Hajana	Dr. Aamir Ali
58	Iqra Fayyaz (01-263182-001)	Awareness And Practices on Hospital Waste Management In Polyclinic Hospital, Islamabad	MS EPM	Dr. Asif Javed	Mr. Syed Umair Ullah Jamil	Dr. Ashiq Mohammad
59	Hammad Khalid 01-263182-008	Critical Review on National Environmental Quality Standards of Pakistan	MS EPM	Dr. Said Akbar Khan	Dr. Asif Javed	Dr. Sadiquallah khan



Appointment of Examiners for MS Thesis Defense SE Department, Islamabad Campus

SNo.	Name (Enrolment #)	Thesis Title	Program	Supervisor (Co-Supervisor)	Internal Examiner	External Examiner
1	Asma Farooq (01-241192-003)	Contract Enabled Testing of Microservice	MS(SE)	Dr. Tamim Ahmed Khan	Dr. Awais Majeed	Dr. Huma Hayat Khan
2	Laraib Shams (01-241192-010)	Self-Attention Model for Predicting Student's Future Interaction	MS(SE)	Dr. Kashif Sultan	Dr. Adeel M Syed	Dr. Hammad Afzal
3	Urooj Sajjad (01-241192-015)	Fault Model Based Testing Approach for Web Systems Using Composite Finite State Machines	MS(SE)	Dr. Tamim Ahmed Khan	Dr. Sabina Akhtar	Dr. Muddassar Azam Sindhu
4	Muqadas Kalsoom (01-241192-019)	Usability Evaluation Framework for Mobile Games for Elderly People	MS(SE)	Dr. Awais Majeed	Dr. Raja Suleman	Dr. Irum inayat
5	Muhammad Sajjad (01-246192-009)	Implementing Positive Lean Manufacturing in Automotive Industry of Pakistan	MS(EM)	Dr. Sheikh Zahoor	Mr. Bilal Ashraf	Dr. Ansar A Rajput
6	Samia Aslam (01-246192-013)	Identification Of the Organizational Factors Promoting Glass Ceiling Practices in Engineering Organizations of Pakistan	MS(EM)	Dr. Sheikh Zahoor	Mr. Bilal Ashraf	Dr. Ansar A Rajput



Appointment of Examiners for MS Thesis Defense CS Department, Karachi Campus

Sr.	Name (Enrolment #)	Thesis Title	Program	Supervisor (Co-Supervisor)	Internal Examiners	External Examiners
1	Sania Urooj (02-243191-012)	Classification of Cardiovascular disease using deep learning	MS CS	Dr. Humera Farooq	Dr. Samabia Tehsin	Dr. Nadeem Mehmood
2	Kashmala Jamshaid Akhter (02-243192-003)	An Analytic study of the impact of using Latent Dirichlet Allocation (LDA) for the topic modelling of Quranic verses	MS CS	Dr. Humera Farooq	Dr. Kashif Hussain	Dr. Syed Akhter Raza
3	Renson Isaac Sandhu (02-243192-004)	Improving ranking in SERPs using SEO Framework by understanding consumer behaviour using EEG Technique	MS CS	Dr. Humera Farooq	Dr. Samabia Tehsin	Dr. Najeed Ahmed Khan
4	Tahreem Fatima (02-243192-006)	Comorbid Neudrodevelopmental disorder of ASD & ADHD using Non-Invasive Technique	MS CS	Dr. Humera Farooq	Dr. Sadique	Dr. Kamran Ahsan
5	Hina Irfan (02-243192-009)	Human Error Prediction using Gaze Estimator and Facial Features with CNN Architecture	MS CS	Dr. Humera Farooq	Dr. Raheel Siddiqi	Dr. Nadeem Mehmood
6	Ramsha Shakeel (02-243192-016)	Improve Cloud Servers Load Based On Best Algorithms: Comparative Analysis	MS CS	Dr. Ghulam Muhammad	Dr. Osama Rehman	Prof. Dr. Muhammad Malook Rind



Appointment of Examiners for MS Thesis Defense EE Department, Karachi Campus

S. No.	Student Name (Enrolment #)	Thesis Title	Program	Supervisor (Co-Supervisor)	Internal Examiners	External Examiners
1	Jaweria Iqbal (02-244201-005)	Malicious User Detection in Cognitive Radio based IoT	MS EE	Prof. Dr. Haroon Rasheed	Dr. Mukesh Kumar	Dr. Arshad Aziz
2	Muhammad Muzammil (02-244201-002)	Analysis of Colored noise for Narrow Band PLC in Smart Grid Communications	MS EE	Engr. M. Khalid	Dr. Haroon Rasheed	Dr. Tariq Miraj
3	Sheikh Junaid Yawar (02-244201-009)	Islanding Detection and Control of Voltage Source Converter in Microgrid	MS EE	Engr. Dr. Muhammad Raza	Dr. Anzar Alam	Dr. Raja Masood Larik



Appointment of Examiners for MS Thesis Defense SE Department, Karachi Campus

S. No.	Student Name (Enrolment #)	Thesis Title	Program	Supervisor (Co-Supervisor)	Internal Examiners	External Examiners
1	RIFA ASHRAF (02-241192-011)	Aerophobia Therapy using Virtual Reality Environment	MS (SE)	Dr. Sohaib Ahmed	Dr. Amina Jamil	Dr. M. Sarim
2	SHAHID MUHAMMAD (02-241192-020)	Scalability Analysis of Blockchain based Systems	MS (SE)	Dr. Osama Rehman	Dr. Muhammad Muzammal	Dr. Rehan Qureshi



Appointment of Examiners for MS Thesis Defense CS Department, Lahore Campus

Sr.	Name (Enrolment #)	Thesis Title	Program	Supervisor (Co-Supervisor)	Internal Examiner	External Examiner
1	MUHAMMAD HASHIM SAFDER (03-243182-012)	Capturing Moving Target with Minimum Robots in Multi-Robot Surveillance	MSCS	Dr. Muhammad Asim Qureshi (Mr. Asad Kamal)	Dr. Asim Ali	Dr. Farooq Ahmad
2	FARWA KHALID (03-243191-003)	Automatic Cyberbullying Detection Through Machine Learning Techniques	MSCS	Dr Ghulam Mustafa (Mr. Zia ur Rehman)	Dr Iram Noreen	Dr. Adnan Nabeel Qureshi
3	ASAD JAVED (03-243192-002)	Quality Education of E-Wallet Mobile Application using Hybrid Approach	MSCS	Dr. Abdul Hafeez (Mr. Fakhra)	Dr. Saira Gillani	Dr. Farrukh Zeeshan
4	MUHAMMAD SHAHID MUNEER (03-243192-009)	Deepfake Prevention for Videos Using Deep Learning and Encryption Techniques	MSCS	Dr. Iram Noreen	Dr. Muhammad Aasim Qureshi	Dr. Muhammad Hamid
5	USAMA NAEEM (03-243192-015)	Aspect based Sentiment Analysis for Roman Urdu	MSCS	Dr. Asim Ali	Dr. Muhammad Aasim Qureshi	Dr. Muhammad Kamran Malik
6	MUHAMMAD OWAIS KHAN (03-243192-022)	Detection of Acral Lentiginous Melanoma using Dermoscopic Images	MSCS	Dr. Muhammad Asim Qureshi	Dr. Ghulam Mustafa	Dr. Adnan Abid
7	ADNAN HABIB (03-243192-023)	A Novel System for the Detection of Spam in Online Reviews	MSCS	Mr. Tahir Iqbal (Mr. Numan Aslam)	Dr. Khawaja Qasim	Dr. Amjad Farooq
8	AYESHA SEHER (03-243192-027)	A Comparative Study of Code Based Mutation Testing and Model Based Mutation Testing	MSCS	Dr Saira Gillani (Dr. Khawaja Qasim)	Dr. Abdul Hafeez	Dr. Amjad Farooq
9	DANIAL NOOR (03-243192-028)	A Machine Learning Framework for Identification of Methylation in Gene Sequences to Detect Cancer	MSCS	Mr. Asghar Ali Shah	Dr. Ghulam Mustafa	Dr. Sheraz Naseer
10	MUHAMMAD MUBASHIR SAEED (03-243192-029)	Comparative Analysis of SDLC based on Critical Success Factor	MSCS	Dr . Abdul Hafeez (Mr. Junaid Nasir Qureshi)	Dr. Saira Gillani	Dr. Ansar Siddique
11	BURHAN UL HAQQ ZAHIR (03-243192-031)	Symptoms Based Intelligent System for Liver Disorder Prediction - A Case Study of Pakistan	MSCS	Dr. Muhammad Asim Qureshi (Mr. Muhammad Asif)	Dr. Khurram Ehsan	Dr. Adnan Abid



12	HOOR FATIMA YOUSAF (03-243192-034)	Enhancing the Quality of Learning Management System	MSCS	Dr. Abdul Hafeez (Ms. Sara Ch)	Dr. Saira Gillani	Dr. Ansar Siddique
13	USMAN MEHMOOD (03-243192-035)	An Interactive UI Model for Web Applications: User's Perspective	MSCS	Dr. Abdul Hafeez (Mr. Junaid Nasir Qureshi)	Dr. Saira Gillani	Dr. Farrukh Zeeshan



Annex-II: Appointment of Examiners for PhD Proposal Defense

SNo.	Name (Enrolment #)	Program	Research Title	Supervisor (Co-Supervisor)	Internal Examiner	External Examiner
1	Syed Maqsood Ali Gilani (01-286202-001)	PhD Geophysics (EES, IC)	Frontier basin exploration	Dr. M. Iqbal Hajana	Dr. Muhsan Ehsan	Dr. Shahid Nadeem Qureshi Dr. Shazia Asim
2	Umar Manzoor (01-286202-002)	PhD Geophysics (EES, IC)	Frontier basin exploration	Dr. Muhsan Ehsan	Dr. M. Iqbal Hajana	Dr. Zulfiqar Ahmad Dr. Anees Ahmed Bangash
3	Kamran Younas (01-286202-004)	PhD ES (EES, IC)	Waste and pesticide soil contamination	Dr. Asma Jamil	Dr. Said Akbar Khan	Dr. Mazhar Iqbal Dr. Ashiq Muhammad
4	ADNAN YAQOOB SALIK (01-281192-001)	PhD EE (EE, IC)	Efficient Hardware Architecture for Real Time AI Implementation	Dr. Atif Raza Jafri (Dr. Imran Siddiqi)	Dr. Imran Fareed Nizami	Dr. Saadia Shakil Dr. Muhammad Awais



Annex-III: Inclusion of Experts in the list of Local External Examiners

SNo.	Name	Designation	Affiliation	Research Area(s)	Sponsored By
1	Dr. Humaira Ashraf	Assistant Professor	International Islamic University Islamabad	Information Security, Mobile Communication	CS, BUIC
2	Dr. Kifayat Ullah Khan	Associate Professor	FAST- NUCES, Islamabad	Data Science, Business Intelligence, Artificial Intelligence, Data Science in Health care, Data Science in Social Networks Analysis	CS, BUIC
5	Dr. Fahad Tahir	Assistant Professor	Air University Islamabad	Image Processing, Pattern Recognition	CS, BUIC
6	Dr. Rashid Mahmood	Associate Professor	Air University Islamabad	Computational Mathematics	CS, BUIC
7	Dr. Zahid Iqbal	Associate Professor	HITECH Taxila	Fluid Mechanics	CS, BUIC
8	Dr. Ahsan Ali	Associate Professor	UET Taxila	Linear systems, LPV control and identification, Robust control, Optimal control and its connections with reinforcement learning	EE, BUIC
9	Dr. Shariq Hussain	Associate Professor	Foundation University, Rawalpindi Campus (FURC)	Web Services, IoT, Context Awareness, E-learning, Multimedia	SE, BUIC
10	Dr. Khalid Iqbal	Assistant Professor	COMSATS University, Attock Campus	Data Mining, Data Science, Machine Learning, Information Retrieval, Social Networks	SE, BUIC
11	Dr. Muhammad Sheraz Arshad	Assistant Professor	Government College University, Faisalabad	Human Computer Interaction, Big data Analysis, Machine Learning, Deep learning,	SE, BUIC
12	Dr. Muhammad Sajid	Assistant Professor	University of Engineering and Technology, Taxila	Engineering management, Cost engineering, Lean thinking, Manufacturing	SE, BUIC
13	Dr. Adnan Sohail	Associate Professor	Iqra University, Islamabad	Communication Networks, Cloud Computing, Performance modeling, Optimization	SE, BUIC
14	Dr. Naveed Ahmad	Professor	FAST-NU, Islamabad	Process/change Management, Information Systems, , Software Engineering, Simulation and Modelling	SE, BUIC
15	Dr. Ali Javed	Associate Professor	University of Engineering and Technology, Taxila	Video Content Analysis, Image Processing, Multimedia Forensics, Medical Image Processing, Computer Vision, Machine Learning, Software Quality Assurance & Testing	SE, BUIC



16	Dr. Muhammad Abid	Associate Professor	PIEAS, Islamabad	Cyber Security, Detection and Prevention of malware, Security in IoTs, High Performance Computing Using GPUs and Multicore Processors	SE, BUIC
17	Dr. Ali Wahid	Assistant Professor	Institute of Geology, University of Azad Jammu and Kashmir, Muzaffarabad	Structural Geology, Seismic Interpretation, Basin Modelling, Pore Pressure Prediction, Petrophysical Interpretation, Conventional Reservoir Modelling, Unconventional Reservoir Studies.	EES, BUIC
18	Mr. Umar Manzoor	Chief Geophysicist	GSS (Geoscience Services), LMKR, Islamabad	Reservoir Characterization	EES, BUIC
19	Mr. Muhammad Khizer Iftikhar	BD Manager - Senior Geoscientist	GSS (Geoscience Services), LMKR, Islamabad	Exploration Geophysics	EES, BUIC
20	Mr. Qadeer Ahmad	Senior Geophysicist	Exploration, Oil and Gas Development Company Limited (OGDCL), Islamabad	Seismic interpretation, exploration and development	EES, BUIC
21	Dr. Khalid Amin Khan	Manager Exploration	Oil & Gas Development Company Ltd., Islamabad	Seismic data processing, 3D seismic planning, seismic refraction & field statics, geodetic mapping, quantitative interpretation, rock physics analysis, seismic interpretation and prospect evaluation	EES, BUIC
22	Dr. Shabeer Ahmed	Geophysicist	Oil & Gas Development Company Ltd., Islamabad	Seismic data acquisition, processing and interpretation.	EES, BUIC
23	Ms. Hira Amjad	Assistant Professor	Institute of Environmental Sciences & Engineering, National University of Sciences & Technology, Islamabad Campus	Environmental Engineering	EES, BUIC
24	Dr. Shaheen Begum	Associate Professor	Fatima Jinnah Women University	Environmental Sciences	EES, BUIC
25	Dr. Liaqat Ali	Associate Professor	National Centre of Excellence in Geology, University of Peshawar	Mineral Exploration	EES, BUIC
26	Dr. Nosheen Sabahat	Assistant Professor	Forman Christian College university	Software engineering, Quality Assurance	CS, BULC
27	Dr. Tariq Umer	Assistant Professor	Department of Computer Science, Comsats	Computer Network, Communication systems, IoTs, IoVs, Wireless Communication, Data Driven Networks	CS, BULC



28	Dr. Moazzam Ali Khan	Professor	Institute of Environmental Studies University of Karachi, Pakistan	Wastewater Treatment Technology, Environmental Economics, Climate Change	EES, BUKC
29	Dr. Maria Kaleem	Assistant Professor	Department of Geology, University of Karachi	Geology and hydrochemistry, Environmental Geology, Hydrogeology	EES, BUKC
30	Dr. Bushra Shahab	Assistant Professor	Department of Geology, University of Karachi	Economic, Mineralogical and Geochemical Studies, Environmental Geology, Hydrogeology, Geophysical Methods for Water exploration	EES, BUKC
31	Dr. Noushaba Hisam	Deputy Chief Geophysicist	Pakistan Petroleum Limited	Hydrogeophysics, petrology, ground water exploration	EES, BUKC
32	Dr. Adnan Khan	Assistant Professor	Department of Geology, University of Karachi	Mineralogy, Petrology, Engineering Geology, Geomorphology, Soil and Rock Mechanics, Environmental Geology, Hydrogeology, Geophysical Methods for Water exploration	EES, BUKC



Annex-IV: Inclusion of Experts in the List of Foreign Evaluators

SNo.	Name	Designation	Affiliation	Post-PhD Experience	Research Area(s)	Sponsored By
1	Prof. J. M. Floryan	Professor	The University of Western Ontario London, Ontario, Canada	41 Years	Computational Fluid Dynamics	CS, BUIC
2	Prof. Ran Zhang	Professor	Jilin University, Changchun 130012, China	17 Years	Computational Mathematics	CS, BUIC
3	Prof. Huseyin Demir	Professor	University of Samsun, Turkey	25 Years	Computational Fluid Dynamics	CS, BUIC
4	Dr. M. Reza Safaei	Assistant Professor	Florida International University (FIU), USA	6 Years	Computational Mathematics	CS, BUIC
5	Prof. Mustafa BAYRAM	Professor	Biruni University Istanbul, Turkey	28 Years	Applied Mathematics	CS, BUIC
6	Prof. Dr. Ishak Hashim	Professor	Universiti Kebangsaan Malaysia	23 Years	Applied Mathematics	CS, BUIC
7	Dr. Anum Shafiq	Assistant Professor	Nanjing University of Informatin Science and Technology, China	5 Years	Computational Fluid Dynamics	CS, BUIC
8	Dr. Noor Fadiya Mohd Noor	Assistant Professor	Universiti Malaya, Malaysia	11 Years	Computational Fluid Dynamics	CS, BUIC
9	Prof. Grecov Dana	Associate Professor	University of British Columbia, Canada	21 Years	Computational Fluid Dynamics	CS, BUIC
10	Prof. O. D. Makinde	Professor	Stellenbosch University, South Africa	25 Years	Computational Fluid Dynamics	CS, BUIC
11	Prof. Francisco Ortégón Gallego	Professor	Universidad de Cádiz, Spain	33 Years	Applied Mathematics	CS, BUIC
12	Prof. Hakan F. ÖZTOP	Professor	Firat University, Dept. Mech.Eng., Elazığ, Turkey	18 Years	Computational Fluid Dynamics	CS, BUIC



13	Prof. Sharidan Bin Shafie	Professor	UTM JB, Malaysia	16 Years	Computational Fluid Dynamics	CS, BUIC
14	Prof. Dr. Yan Zhang	Professor	Beijing University of Civil Engineering and Architecture, China	15 Years	Computational Fluid Dynamics	CS, BUIC
15	Dr. Yu Bai	Associate Professor	Beijing University of Civil Engineering and Architecture, China	10 Years	Computational Mathematics	CS, BUIC
16	Prof. Dianchen Lu	Professor	Jiangsu university, China	13 Years	Computational Fluid Dynamics	CS, BUIC
17	Dr. Mohammad Rahimi-Gorji	Associate Professor	Ghent University, Ghent, Belgium	11 Years	Computational Fluid Dynamics	CS, BUIC
18	Prof. Seifedine Kadry	Professor	Noroff University College, Kristiansand, Norway	14 Years	Computational Mathematics	CS, BUIC
19	Prof. Jae Dong Chung	Professor	Sejong University, South Korea	25 Years	Computational Fluid Dynamics	CS, BUIC
20	Dr. Chengxi Liu	Professor	Wuhan University, China	8 Years	Power system stability and control, Power system simulation and optimization, Integration of renewable energies, multi-energy systems, Big data analysis and AI applied on power systems.	EE, BUIC
21	Dr. Eklas Hossain	Associate Professor	Oregon Institute of Technology (OIT), Oregon, USA	5 Years	Renewable Energy, Energy System, Power System, Advanced Control System, Power Electronics and Drives, Grid Economics and Optimization, Cyber Security and Green Healthcare.	EE, BUIC
22	Dr. Kimmo Tapio Kauhaniemi	Professor	University of Vaasa, School of Technology and Innovations, Finland	28 Years	Power systems, Relay protection, Distributed generation, Microgrids, Model predictive control, Power electronics, Renewable energy.	EE, BUIC
23	Dr. Muhammad Faisal Aftab	Associate Professor	University of Ager (UiA), Norway.	3 Years	Performance monitoring, Autonomous systems, Control systems, Machine Learning, Fault diagnostics	EE, BUIC
24	Dr. Omer Rana	Professor	School of Computer Science and Informatics, Cardiff University, United Kingdom	21 Years	Computer science, Cloud computing, big data. Machine learning.	SE, BUIC

25	Dr. Adwoa Donyina	Assistant Professor	University of New Haven, West Haven Connecticut, United States	10 Years	Socio-technical Systems, Stochastic simulation, Graph Transformation Systems, Rule-based approaches, Role-based access control, Business process modelling, Meta-modelling, Domain specific languages and Model driven development.	SE, BUIC
26	Dr. Mohsin Raza	Senior lecturer (Associate Professor)	Department of Computer Science, Edge Hill University Ormskirk Lancashire, UK	3 Years	Internet of Things (IoT); Sensor Networks; Machine Learning; Mobile and Wireless Networks; Autonomous Transportation Systems; Industry 4.0; Digital Twins.	SE, BUIC
27	Dr. Lei Zhang	Senior Lecturer (Associate Professor)	School of Engineering, University of Glasgow, UK	10 Years	Distributed Consensus, Distributed Ledger, Technology (DLT) and Blockchain, Data Privacy and Security, Radio Access Layer Network Slicing, Waveform and Mixed numerology for 5G/B5G, Multi-antenna Signal Processing, MIMO, Intelligent Reflecting Surface, Communications for Internet of Things (IoT), Connected Autonomous Systems etc.	SE, BUIC
28	Dr. Masaki Onozaki	Senior Fellow	The Institute of Applied Energy, Japan	21 Years	Chemical Engineering, Analysis of strategy towards Carbon Neutral and Carbon Recycle, Analysis of energy strategy, estimation of power generation cost and carbon dioxide separation / recovery cost, evaluation of carbon dioxide utilization and hydrogen carrier	EES, BUKC
29	Dr. Heekwan Lee	Professor	Incheon National University, South Korea	28 Years	Atmospheric environment, Indoor air quality, Climate change / International cooperation	EES, BUKC
30	Dr Nordiana Mohd Muztaza	Associate Professor	School Physics, Universiti Sains, Malaysia.	7 years	2-D electrical resistivity, seismic refraction, geotechnical investigations, Seismic refraction tomography	EES, BUKC



Annex-V: Recommendation of Foreign Evaluators for PhD Candidates

SNo.	Name	Dept.	Program	Supervisor	Theis Title	Recommended Foreign Evaluators
1.	Ikram-ul Haq (01-281142-002)	SE, BUIC	PhD (SE)	Dr. Tamim A Khan	Secure Model Based Penetration Framework for Android native Applications	Dr. Omair Shafiq Dr. Valentina Emilia Balas Dr. Mohsin Raza Dr. Naeem Ramzan
2.	Khurram Mustafa Abbasi (01-281152-002)	SE, BUIC	PhD (SE)	Dr. Tamim A Khan (Dr. Irfan ul Haq)	A Unified Modeling framework for Internet of things (IOT) systems	Dr. Eric Schecuta Dr. Valentina Emilia Balas Dr. Reiko Heckel Dr. Lei Zhang
3.	Taimoor Zafar (02-281142-002)	EE, BUKC	PhD (EE)	Dr. Anzar Alam (Dr. Tariq Mairaj)	Prognostic Algorithm for Condition Monitoring and Estimation of Remaining Useful life of Critical Electric Infrastructure	Dr. Malek Mouhoub Dr. Yiming Deng Dr. Imran Khan Niazi Dr. Valentina E. Balas



Annex-VI: Appointment of Examiners for PhD Comprehensive Exams

Sr.	Name (Enrolment #)	Dept., Campus	Program	Supervisor (Co-Supervisor)	Research Theme	Course	Examiner
1	Waqar Khalid (01-281202-001)	CE, BUIC	PhD (CE)	Dr. Shehzad Khalid	Image fusion, surveillance tracking and pattern recognition	Data Visualization	Dr. Sumaira Kausar
						Machine learning	Dr. Samabia Tehsin
						Advanced Digital Image Processing	Dr. Imran Fareed Nizami
						Deep Learning	Dr. Imran Siddiqi
2	Abeer Iftikhar (01-284202-001)	CS, BUIC	PhD (CS)	Dr. Kashif Naseer	Information Security	Advanced Network Security	Dr. Faisal Bashir
						Cloud Computing Security	Dr. Moazzam Ali
						Computer and Network Forensics	Dr. Faisal Bashir
						Network Planning and Evaluation	Dr. Moneeb Gohar
3	Amir Ali (01-284202-002)	CS, BUIC	PhD (CS)	Dr. Sumaira Kausar	Digital Image Processing	Advanced Digital Image Processing	Dr. Samabia Tehsin
						Data Visualization	Dr. Sumaira Kausar
						Deep Learning	Dr. Imran Siddiqi
						Machine Learning	Dr. Samabia Tehsin
4.	Faisal Asad ur Rehman (01-284202-003)	CS, BUIC	PhD (CS)	Dr. Muhammad Muzammal	Data Science	Machine Learning	Dr. Samabia Tehsin
						Deep Learning	Dr. Imran Siddiqi



						Data Visualization	Dr. Sumaira Kausar
						Big Data Analytics	Dr. Sumaira Kausar
5.	MUHAMMAD YASEEN (01-281201-001)	EE, BUIC	PhD (EE)	Dr. Asad Waqar (Dr. Muhammad Amin)	Long Term Comparative Analysis of EPDM Composite Insulations for High Voltage	Advanced Topics in Power System Engineering	Dr. Imtiaz Alam
						Smart Grid System Operation	Dr. Imtiaz Alam
						Advanced Power Electronics	Dr. Asad Waqar
						Advanced Power System Planning	Dr. Asad Waqar
6.	Syed Maqsood Ali Gilani (01-286202-001)	EES, BUIC	PhD Geophysics	Dr. Muhammad Iqbal Hajana	Frontier basin exploration	3D Seismic Attributes for Reservoir Characterization	Dr. Muhammad Iqbal Hajana
						Tectonic Evolution of Pakistan	Prof. Dr. Tahseenullah khan
						Hydrocarbon Exploration Techniques	Dr. Muhsan Ehsan
						Seismic Imaging Techniques	Dr. Muhammad Fahad Mehmood
7.	Umar Manzoor (01-286202-002)	EES, BUIC	PhD Geophysics	Dr. Muhsan Ehsan	Frontier basin exploration	3D Seismic Attributes for Reservoir Characterization	Dr. Muhammad Iqbal Hajana
						Tectonic Evolution of Pakistan	Prof. Dr. Tahseenullah khan
						Hydrocarbon Exploration Techniques	Dr. Muhsan Ehsan
						Seismic Imaging Techniques	Dr. Muhammad Fahad Mehmood
8.	Kamran Younas (01-286202-004)	EES, BUIC	PhD ES	Dr. Asma Jamil	Waste and pesticide soil contamination	Recent Trends in Environmental Sciences	Dr. Said Akbar Khan
						Hazardous Solid Waste Management	Dr. Asma Jamil
						Environmental Monitoring, Sampling and Analysis	Dr Said Akbar Khan



						Natural Resources and Associated Hazards	Dr. Humera Farah
9.	Sidra Siddiqui (01-281202-002)	SE, BUIC	PhD (SE)	Dr. Tamim A. Khan	Intelligent software testing techniques for security quality testing	Pattern Recognition	Dr. Kashif Sultan
						Deep Learning	Dr. Imran Siddiqi
						Machine Learning	Dr. Samabia Tehsin
						Advanced Big Data Analytics	Dr. Raja Suleman



Annex-VII: Appointment of Supervisors & Advisory Committees

SNo.	Name (Enrollment #)	Program	Dept. / Campus	Supervisor (Co-Supervisor)	Advisory Committee
1	MUHAMMAD YASEEN (01-281201-001)	PhD EE	EE, BUIC	Dr. Asad Waqar (Dr. Muhammad Amin)	1. Dr. Asad Waqar 2. Dr. Muhammad Amin 3. Dr. Imtiaz Alam



Annex-VIII: Recommendation of Examiners for PhD Final Thesis Defnese (FTD)

SNo.	Name (Enrolment #)	Dept./Campus	Program	Supervisor (Co-Supervisor)	Thesis Title	Recommended Examiners ¹
1	Syed Rashid Aziz (01-281152-004)	SE, BUIC	PhD (SE)	Dr. Tamim A Khan (Dr. Aamir Nadeem)	Software Fault Prediction for Object-Oriented Programs	External Examiners: 1. Dr. Onaiza Maqbool 2. Dr. Usman Qamar 3. Dr. Mudasir Azam Sindu 4. Dr. Sohail Asghar Internal Examiners: 1. Dr. Arif ur Rehman 2. Dr. Sohaib Ahmed
2	Ms. Hina Shakir (02-281141-001)	EE, BUKC	PhD (EE)	Dr. Haroon Rasheed (Dr. Tariq Mairaj)	3D Image Analysis Techniques for Lung Cancer Detection on Computed Tomography (CT) Scans	External Examiners: 1. Dr. Najeed Ahmed Khan 2. Dr. Imran Naseem 3. Dr. Farah Haroon 4. Dr. Yawar Rehman Internal Examiners: 1. Dr. Samabia Tehseen 2. Dr. Ghulam Mustafa
3	Syed Muhammad Usman (01-281182-002)	CE, BUIC	PhD (CE)	Dr. Shehzad Khalid	A Deep Learning Approach for Prediction of Epileptic Seizures using EEG Signals	External Examiners: 1. Dr. Asifullah Khan 2. Dr. Amanullah Yasin 3. Dr. Noman Naseer 4. Dr. Farhan Hussain

¹ Subject to clearance of foreign evaluation where applicable



						<p>Internal Examiners:</p> <ol style="list-style-type: none"> 1. Dr. Imran Siddiqi 2. Dr. Imran Fareed Nizami
4	Muhammad Jahangir Khan (02-283161-002)	EES, BUKC	PhD (Geo-Physics)	Dr. Mehrab Khan (Dr. Mubarak Ali)	Integrated Study on Seismicity of Southern Pakistan	<p>External Examiners:</p> <ol style="list-style-type: none"> 1. Dr. Shahid Nadeem Qureshi 2. Dr. Anees Ahmed Bangash 3. Dr. Abdul Salam Khan 4. Dr. Din Muhammad Kakar <p>Internal Examiners:</p> <ol style="list-style-type: none"> 1. Dr. Asif Inam 2. Dr. Muhsan Ehsan
5	Engr. Taimoor Zafar (02-281142-002)	EE, BUKC	PhD (EE)	Dr. Anzar Alam (Dr. Tariq Mairaj)	Prognostic Algorithm for Condition Monitoring and Estimation of Remaining Useful Life of Critical Electrical Infrastructure	<p>External Examiners:</p> <ol style="list-style-type: none"> 1. Dr. Yawar Rehman 2. Dr. Faisal Amir 3. Dr. Najeed Ahmed Khan 4. Dr. Farah Haroon <p>Internal Examiners:</p> <ol style="list-style-type: none"> 1. Dr. Amna Jameel 2. Dr. Imran Fareed Nizami