

Minutes of the Meeting

Special 25th Meeting of Faculty Research Committee (FRC)

held on

**3rd January 2025
Through MS Teams**



Faculty of Engineering Sciences

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Reference Designators & Terms

These designators/terms are meant to introduce clarity, standardization and ease of reference while consulting or referring to this document.

Item Number	<u>Item oo, nn</u> Where oo = ordinal sequence of FRC Meeting nn= serial number of items in that FRC Meeting Example: Item 1712 means Item No. 12 of 17 FRC Meeting
Decision on a New Item	<u>Decision oo, nn</u> Example: Decision 1712 means Decision on Item 1712 Example: Decision 1712.b means Decision 1712, Clause 'b' Example: Decision 1712.b.2 means Decision 1712, Clause 'b', sub-clause '2'
Decision on a Previous Item	<u>Decision o₂(oonn)</u> Example: Decision 17 (1512) means decision taken by 17 FRC Meeting on the prevision review item 1512. Example: Decision 17 (1512) b means decision taken by 17 FRC Meeting on the prevision review item 1512 clause 'b' Example: Decision 17 (1512) b.3 means decision taken by 17 FRC Meeting on the prevision review item 1512 clause 'b' sub clause '3'
Action	Authority, Entity, Official, Person, Unit, Dept, Office, etc. required to implement the decision
Responsibility	The supra single Authority, Entity, Official, Person, etc. required to: <ul style="list-style-type: none">a. Coordinate the actions taken by the Authorities, Entities, Officials, Persons, Units, Depts., Offices listed against the action.b. Report to the Council the progress on the matter, through periodic progress reports and at the meeting of the Council.c. Be overall responsible to the Competent Authority, and the Council, for the case/issue/point/item he or she has been made responsible for.
Deadlines	Any time period deadlines shall count from the date of issue of the minutes. Time period in days shall imply working days.

Attendance:**BUIC**

Prof. Dr. Faisal Bashir Hussain	Dean ES	Chair
Prof. Dr. Shahzad Khalid	Principal BSEAS H-11	Member
Prof Dr Moneeb Gohar	HoD (CS) H-11	Member
Prof. Dr. Imran Fareed	HoD (EE) H-11	Member
Snr Assoc Prof. Dr. Khurram Ehsan	HoD (CS) E-8	Member
Snr. Assoc. Prof. Dr. Adeel Syed	HoD (SE) H-11	Member
Assoc. Prof. Dr. Syed Umair Ullah Jamil	HoD (E&ES) H-11	Member
Snr. Asst. Prof. Syed Khawar	HoD (CE) H-11	Member
Snr. Assoc. Prof. Dr. Muhsan Ehsan	E&ES	Secretary

BUKC

Prof. Dr. Haroon Rasheed	Principal BSEAS BUKC	Member
Assoc. Prof. Dr. Attayab Khab	HoD (EE)	Member
Snr. Assoc. Prof. Dr. Hina Shakir	HoD (SE)	Member
Assoc. Prof. Dr. Talha Ahmed Khan	HoD (CS)	Member
Assoc. Prof. Dr. Shaista Iftikhar	HoD (E&ES)	Member
Snr. Asst. Prof. Dr. Shoaib Mughal	HoD (CE)	Member

BULC

Snr. Asst. Prof. Dr. Khawaja Qasim Maqbool	HOD (CS)	Member
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Proceedings

1. The proceedings commenced at 1200 hrs. on 3rd January 2025 with the recitation of few verses from the Holy Quran and Darood Shareef ﷻ.

Opening Remarks

2. Chair FRC welcomed the participants and advised the participants to have focused and constructive discussion during the session.

Item No. 2501: Appointment of GEC members of PhD Scholars

Sponsor: HoDs

Referral Authority: Respective DRC's

Summary of the Cases:

3. The Guidance and Evaluation Committee (GEC) of PhD Scholars are to be constituted as per the amendments in the PhD Rules 2023 & 2017 promulgated via Registrar letter vide BU-HO/Reg/2024/N/030. The Departmental Research Committee (DRC) of the Faculty of Engineering Sciences departments have recommended GECs of their respective PhD Scholars.

Discussion:

4. HoDs/PG Coordinators from the respective Departments of the Faculty of Engineering Sciences presented the cases of PhD Scholars whose GEC committee should be appointed.
5. A total of 44 cases were presented from EE Dept BUIC H-11, SE Dept BUIC H-11, E&ES Dept H-11, CE Dept BUIC H-11, CS Dept BUIC E-8, EE Dept BUKC, CS Dept BUKC, and SE Dept BUKC.

Decision 2501:

6. FRC recommended the following GEC's for the PhD Scholars of Faculty of Engineering Sciences:

S. No.	Scholar Name (Enrolment #)	Program	Supervisor (Co-supervisor)	Research Title	GEC Member (Affiliation)
1.	Ms. Sumaira Akram (01-286182-001)	PhD ES, BUIC-H-11	Dr. Said Akbar Khan (Dr. Syed Jabir Hussain)	Biomonitoring of Hazardous Substances in Workers Associated with Electronic Waste Processing Facilities in Selected Cities of Pakistan	1. Dr. Said Muhammad (NCEG, University of Peshawar) 2. Dr. Ashiq Muhammad (CEO, Environmental Management System Pvt. Ltd Islamabad). 3. Dr. Aansa Rukaya Saleem (BUIC, H-11 campus) 4. Dr. Humera Farah (BUIC, H-11 campus)
2.	Mr. Abdul Shakoor (01-286182-003)	PhD ES, BUIC-H-11	Dr. Said Akbar Khan (Dr. Syed Jabir Hussain)	Estimation and Analysis of Atmospheric Emissions from Ship Breaking Industry in Gadani Ship Breaking Yard Balochistan, Pakistan	1. Dr. Said Muhammad (NCEG, University of Peshawar) 2. Dr. Ashiq Muhammad (CEO, Environmental management System Pvt. Ltd Islamabad) 3. Dr. Asma Jamil (BUIC, H-11 campus) 4. Dr. Humera Farah (BUIC, H-11 campus)

3.	Mr. Waqar Ahmad (01-286192-001)	PhD Geology, BUIC-H-11	Dr. Mumtaz Ali Khan (Dr. Muhammad Raiees Amjad)	Integrated Diagenetic Modeling and Its Impact on the Reservoir Quality of Chiltan Limestone and Samana Suk Formation, Foreland Sedimentary Fold- Belt, Pakistan	1. Prof. Dr. Khalid Latif (NCEG, University of Peshawar) 2. Dr. Ali Wahid (Institute of Geology, University of Azad Jammu and Kashmir, Muzairabad) 3. Dr. Muhammad Iqbal Hajana (BUIC, H-11 campus) 4. Dr. Muhsan Ehsan (BUIC, H-11 campus)
4.	Mr. Umair Rashad (01-286192-003)	PhD ES, BUIC, H-11	Dr. Aansa Rukya Saleem	Impact of Seasonal and Spatial Variation of Inorganic Pollutants in Air and Vegetation of Rawalpindi	1. Dr. Mazhar Iqbal (Department of Environmental Sciences QAU, Islamabad) 2. Dr. Audil Rashid (Department of Environmental Sciences, Gujrat University) 3. Dr. Asma Jamil (BUIC, H-11 campus) 4. Dr. Fiza Sarwar (BUIC, H-11 campus)
5.	Mr. Qadeer Ahmed (01-286192-004)	PhD Geophysics, BUIC-H11	Dr. Muhammad Iqbal Hajana	Hydrocarbon Exploration Risk Mitigation Through Mapping Petroleum Migration Pathways Using Seismic and Geochemistry Data, Punjab Platform, Pakistan	1. Prof. Dr. Aamir Ali (Department of Earth Sciences QAU, Islamabad) 2. Dr. Rahmat Ali Gakkhar (Deputy Chief, OGDCL, Islamabad) 3. Dr. Muhsan Ehsan (BUIC, H-11 campus) 4. Dr. M. Fahad Mehmood (BUIC, H-11 campus)
6.	Mr. Maqsood Gillani (01-286202-001)	PhD Geophysics, BUIC-H11	Dr. Muhammad Iqbal Hajana	A sequence stratigraphic model for Lower Cretaceous reservoir sands distribution in Tando Allah Yar Area, Lower Indus Basin, Pakistan	1. Dr. Syed Haroon Shah (Department of Geology, Sargodha University) 2. Dr. Matloob Hussain (Associate Professor, Department of Earth Sciences, QAU, Islamabad) 3. Dr. M. Fahad Mehmood (BUIC, H-11 campus) 4. Dr. Urooj Shakir (BUIC, H- 11 campus)
7.	Mr. Kamran Younas (01-286202-004)	PhD ES, BUIC- H-11	Dr. Asma Jamil (Dr. Mahtab Ahmad, QAU Islamabad)	Management of noxious weed (Parthenium Hysterophorus) through biochar and remediation of selected organic and inorganic pollutants in synthetic and	1. Dr. Sajida Rasheed (University of Kotli, AJK) 2. Dr. Aashiq Muhammad (CEO, Environmental management System Pvt. Ltd Islamabad) 3. Dr. Humera Farah (BUIC, H-11 campus) 4. Dr. Said Akbar Khan (BUIC, H-11 campus)

				industrial effluents	
8.	Mr. Haider Shabbir (01-286212-001)	PhD Geophysics, BUIC-H11	Dr. Muhsan Ehsan	Landslide risk assessment for Jhelum Basin, Pakistan using a global hydro-climatic dataset	1. Dr. Zulfiqar Ahmad (Director, Hydro- geophysical Environmental & Science Consultant, Islamabad) 2. Dr. Shahzada Adnan (Pakistan Meteorological Department Islamabad) 3. Dr. Muhammad Iqbal Hajana (BUIC, H-11 campus) 4. Dr. M. Fahad Mehmood (BUIC, H-11 campus)
9.	Mr. Rana Faisal Shahzad (01-286212-002)	PhD Geophysics, BUIC-H11	Dr. Muhammad Iqbal Hajana (Dr. Atif Nawaz)	Enhancing Reservoir Characterization Through a Machine Learning Approach Utilizing Sequence Stratigraphy Model for Cretaceous Sands, Lower Indus Basin, Pakistan	1. Dr. Zulfiqar Ahmed (Director, Hydro- geophysical Environmental & Science Consultant, Islamabad) 2. Dr. Tahir Azeem (Department of Earth Sciences QAU, Islamabad) 3. Dr. Muhsan Ehsan (BUIC, H-11 campus) 4. Dr. M Fahad Mehmood (BUIC, H-11 campus)
10.	Ms. Saima Nazir 01-286212-003	PhD ES, BUIC- H-11	Dr. Said Akbar Khan (Dr. Said Muhammad)	Assessment of Particulate Matter, Gaseous and Volatile Organic Compound Emissions in Selected cities of Pakistan	1. Dr. Anwar Zeb (Environmental Science Dept, University of Swat) 2. Dr. Sheikh Saeed Ahmad (Environmental Science Dept, Fatima Jinna University, Rawalpindi) 3. Dr. Asma Jamil (BUIC, H-11 campus) 4. Dr. Aansa Rukiya Saleem (BUIC, H-11 campus)
11.	Ms. Aisha Khaled Chaudhri (01-286222- 001)	PhD ES, BUIC- H-11	Dr. Aansa Rukya Saleem (Dr. Nazneen Bangash)	Mitigating Soil Pollution: Harnessing the Synergistic Potential of Coconut Biochar Nanocomposites with Zinc and Plant Growth-Promoting Rhizobacteria (PGPR) for Phthalate Remediation	1. Dr. Tahir Hayat Malik (Department of environmental Sciences, COMSAT Abbottabad) 2. Dr. Shahid Mehmood (Institute of Soil & Environmental Sciences, PMAS-AAUR) 3. Dr. Umair Ullah Jamil (BUIC, H-11 campus) 4. Asma Jamil (BUIC, H-11 campus)
12.	Mr. Kmaran Siddique (01-286222-002)	PhD ES, BUIC- H-11	Dr. Aansa Rukya Saleem (Dr. Muhammad Afzaal)	Integrated eco- technological system consisted of plant- bacteria synergism	1. Dr. Asad Ghufuran (Department of Environmental Sciences, IIUI, Islamabad)

				for the sustainable treatment of textile-based wastewater	2. Dr. Tahir Hayat Malik (Department of Environmental Sciences, COMSAT Abbottabad) 3. Dr. Salma Hamza (BUKC) 4. Dr. Said Akbar khan (BUIC, H-11 campus)
13.	Mr. Shahzad Naveed 01-286222-003	PhD ES, BUIC-H-11	Dr. Said Akbar Khan (Prof. Dr. Talat Naseer Pasha)	Quantification of Greenhouse Gas Emissions and Mitigation Potential of Slow-Release Non-Protein Nitrogen for Dairy Livestock in Selected Sites of Punjab, Pakistan.	1. Dr. Javed Nawab (Environmental Sciences Dept, Kohat University of Science and Technology) 2. Dr. Sheikh Saeed Ahmad (Environmental Science Dept, Fatima Jinnah Women University, Rawalpindi) 3. Dr. Humera Farah (BUIC, H-11 campus) 4. Dr. Aansa Rukaya Saleem (BUIC, H-11 campus)
14.	Mr. Zohaib Naseer (01-286222-004)	PhD Geophysics, BUIC-H-11	Dr. Muhsan Ehsan (Dr. Khalid Amin Khan)	Evaluation of Structural Driven Geothermal Systems: A Comprehensive Geophysical Analysis of Thal Platform, Southern Indus Basin, Pakistan	1. Dr. Zulfiqar Ahmad (Director, Hydro-geophysical Environmental & Science Consultant, Islamabad) 2. Dr. Abbas Ali Naseem (Associate Professor, Department of Earth Sciences QAU, Islamabad) 3. Dr. Muhammad Raiees Amjad (BUIC, H-11 campus) 4. Dr. M. Fahad Mehmood (BUIC, H-11 campus)
15.	Shah Hussain (01-281232-001)	PhD SE, BUIC-H-11	Dr. Tamim Ahmed Khan	Modal-Based Penetration Framework for Edge Computing Devices	1. Dr. Shariq Hussain (Foundation University, Islamabad) 2. Dr. Basit Shahzad (NUML Islamabad) 3. Dr. Awais Majeed (SE Dept BUIC) 4. Dr. Kashif Sultan (SE Dept BUIC)
16.	Sidra Siddiqui (01-281202-002)	PhD SE, BUIC-H-11	Dr. Tamim Ahmed Khan	A Novel Obfuscation Framework to Detect, Test and Effectively Prevent Intrusion of Obfuscated Android Malwares	1. Dr. Shariq Hussain (Foundation University, Islamabad) 2. Dr. Basit Shahzad (NUML Islamabad) 3. Dr. Awais Majeed (SE Dept BUIC) 4. Dr. Adeel M Syed (SE Dept BUIC)
17.	Abeer Iftikhar	PhD CS,	Dr. Faisal Bashir	Security Provision by	1. Dr. Muhammad Shiraz

	(01-284202-001)	BUIC-E-8	Hussain (Dr. Kashif Naseer Qureshi)	Using Detection and Prevention Methods to Ensure Trust and Security in Smart Cities Network	(Federal Urdu University, Islamabad) 2. Dr. Muhammad Sajjad Khan (International Islamic University, Islamabad) 3. Dr. Moneeb Gohar (CS Dept BUIC H-11) 4. Dr. Saba Mahmood (CS Dept BUIC H-11)
18.	Amir Ali (01-284202-002)	PhD CS, BUIC-E-8	Dr. Sumaira Kausar (Dr. Wizra Saeed)	AI based Neuropsychological Assessment and Immersive Environment Based Intervention for Dyslexic Children	1. Dr. Momina Moetesum (NUST, Islamabad) 2. Dr. Mohsin Riaz (COMSATS Islamabad) 3. Dr. Fatima Khalique (BUIC-CS E8) 4. Dr. Arif ur Rahman (BUIC CS E8)
19.	Shahid Mehmood (01-284212-002)	PhD CS, BUIC-E-8	Dr. Moneeb Gohar	Trust Management Framework for Resource- Constrained Edge Devices	1. Dr. Majid Iqbal (COMSATS Islamabad) 2. Dr. Khalil Afzal (COMSATS Wah) 3. Dr. Faisal Bashir Hussain (BUIC-CS E8) 4. Dr. Moazzam Ali (BUIC-CS E8)
20.	Nasir Iqbal (01-284212-001)	PhD CS, BUIC-E-8	Dr. Faisal Bashir Hussain	Synthesized PDF generation and evaluation framework for evading malware classifiers	1. Dr Muazzam Ali Khan Khattak, (QAU, Islamabad) 2. Dr. Ghalib Asadullah Shah, (Air University, Islamabad) 3. Dr. Asim Ali (CS Dept BUIC E8) 4. Dr. Kabeer Bhatti (CS Dept BUIC E-8)
21.	Qasim Mehmood (01-284221-001)	PhD CS, BUIC-E-8	Dr. Samabia Tehseen (Dr Imran Siddiqi)	Document Visual Question Answering to Interpret Multiple Modalities in Document Images	1. Dr. Shahela Saif (FAST NU Islamabad) 2. Dr Salma Zainab Farooq (IST Islamabad) 3. Dr. Arif ur Rahman (BUIC-CS E8) 4. Dr. Fatima Khalique (BUIC-CS E8)
22.	Athar Waqar (01-284221-002)	PhD CS, BUIC-E-8	Dr. Moneeb Gohar	Lightweight Framework for Auto Management of Digital Certificate in IIoT Network	1. Dr. Sajjad Khan (International Islamic University Islamabad) 2. Dr. Majid Iqbal (COMSATS Islamabad) 3. Dr. Faisal Bashir Hussain (BUIC-CS E8) 4. Dr. Moazzam Ali (BUIC-CS E8)
23.	Umair Saeed (01-284232-005)	PhD CS, BUIC-E-8	Dr. Sumaira Kausar	Non-Invasive Early Diagnosis of Diseases	1. Dr. Momina Moetesum (SEECS NUST, Islamabad)

				using Computer Vision Techniques	2. Dr. Mohsin Riaz (COMSATS Islamabad) 3. Dr. Samabia Tehseen (BUIC-CS E8) 4. Dr. Muhammad Asfand e yar (BUIC-CS E8)
24.	Qadeer Hashir (01-284232-004)	PhD CS, BUIC-E-8	Dr. Muhammad Asfand e Yar	AI-based Techniques for Analyzing Health-related Challenges, especially Drug-to-Drug Interaction and its Exorbitant Effects	1. Dr. Momina Moetesum (SEECs NUST, Islamabad) 2. Dr. Tassawar Iqbal (COMSATS Wah) 3. Dr. Sumaira Kausar (BUIC-CS E8) 4. Dr. Hafiz Ishfaq (BUIC-CS E8)
25.	Muhammad Akram Sahi (01-284232-006)	PhD CS, BUIC-E-8	Dr. Khurram Ehsan	Intelligent Resource Management in Software Defined Networks via SDN Controller	1. Dr. Muhammad Imran Malik (SEECs NUST, Islamabad) 2. Dr. Sajjad Khan (International Islamic University Islamabad) 3. Dr. Moneeb Gohar (BUIC-CS H11) 4. Dr. Usman Hashmi (BUIC-CS E8)
26.	Nasir Ali (01-284232-003)	PhD CS, BUIC-E-8	Dr. Moneeb Gohar	A Novel Hybrid Framework for Detecting Fileless CryptoJacking Malware	1. Dr. Muazzam Khattak (QAU, Islamabad) 2. Dr. Majid Iqbal (COMSATS Islamabad) 3. Dr. Faisal Bashir Hussain (BUIC-CS E8) 4. Dr. Khurram Ehsan (BUIC-CS E8)
27.	Ateeq ur Rahman (01-284232-001)	PhD CS, BUIC-E-8	Dr. Moneeb Gohar	Performance Efficient, Edge based distributed anomaly detection framework for smart devices	1. Dr. Sajjad Khan (International Islamic University Islamabad) 2. Dr. Kahlil Afzal (COMSATS Wah) 3. Dr. Arshad Farhad (BUIC-CS E8) 4. Dr. Khurram Ehsan (BUIC-CS E8)
28.	Muhammad Rizwan Sarfaraz (01-284232-007)	PhD CS, BUIC-E-8	Dr. Moneeb Gohar	Security Issues of QUIC and Solutions	1. Dr. Muazzam Khattak (QAU, Islamabad) 2. Dr. Kahlil Afzal (COMSATS Wah) 3. Dr. Faisal Bashir Hussain (BUIC-CS E8) 4. Dr. Moazzam Ali (BUIC-CS E8)
29.	Ali Raza (01-283202-002)	PhD Math CS, BUIC-E-8	Dr. Jafar Hasnain (Dr. Rizwan ul Haq)	MIXED CONVECTION ANALYSIS OF FLUID MODELS DUE TO	1. Dr. Meraj Mustafa (NUST, Islamabad) 2. Dr. Zahid Iqbal (AIQU Islamabad)

				HEATED SOURCE IN CHANNELS AND DEFORMABLE ENCLOSURES	3. Dr. Muhammad Ramzan (CS Dept BUIC E-8) 4. Dr. Naila Shaheen (CS Dept BUIC E-8)
30.	Nomana Abid 01-283212-001	PhD Math CS, BUIC-E-8	Dr. Jafar Hasnain	IMMISCIBLE FLUIDS FLOW THROUGH CURVED GEOMETRIES	1. Dr. Tariq Javed (International Islamic University Islamabad) 2. Dr. Irfan Mustafa (AIOU Islamabad) 3. Dr. Muhammad Ramzan (CS Dept BUIC E-8) 4. Dr. Naila Shaheen (CS Dept BUIC E-8)
31.	Mr. Rana Saeed Ahmed (02-281181-001)	PhD EE, BUKC	Prof. Dr. Haroon Rasheed	Modelling and Control of Distribution Units of a Microgrid	1. Dr. Tariq Aziz (SSUET, Karachi) 2. Dr. Adeel Waqas (NUST, Islamabad) 3. Dr. Asad Waqar (EE-BUIC) 4. Dr. Anzar Alam (EE-BUKC)
32.	Mr. Muhammad Waleed Raza (02-281191-002)	PhD EE, BUKC	Dr. Muhammad Raza	Frequency and Voltage Control of Offshore Grid Connected with Hybrid CSC/VSC HVDC System	1. Dr. Abdul Qadir (UIT, Karachi) 2. Dr. Raja Masood Laraik (NED UET, Karachi) 3. Dr. Haroon Rasheed (EE BUKC) 4. Dr. Faheem Haroon (EE BUIC, H-11 Campus)
33.	Bushra Fazal Khan (02-200181-009)	PhD SE, BUKC	Dr. Sohaib Ahmed	An Agile Approach for Inquiry-based Learning in Ubiquitous Environments	1. Dr. Kamran Ahsan (Federal Urdu University) 2. Dr. Raheela Asif (NED UET Karachi) 3. Dr. Tamim A. Khan (SE BUIC H-11) 4. Dr. Taha Jillani (CS BUKC)
34.	Mahawish (02-200182-006)	PhD SE, BUKC	Dr Osama Rehman	Self-Healing and Light-weight Intrusion Detection for IoT-based Systems	1. Dr. Kamran Ahsan (Federal Urdu University & MiTE, Karachi) 2. Dr. Jawwad Shamsi (FAST NUCES, Karachi) 3. Dr. Sohaib Ahmed (SE BUKC) 4. Dr. Hina Shakir (SE BUKC)
35.	Reema Qaisar Khan (02-281232-001)	PhD SE, BUKC	Dr Hina Shakir	Detection of Breast Cancer Using Histopathological Image Classification with Deep Learning Techniques	1. Dr. Najeed Ahmed Khan (NED UET, Karachi) 2. Dr. Saood Zia (Al-Kawthar University, Karachi) 3. Dr. Raheel Siddiqui

					(CS BUKC) 4. Dr. Samabia Tehseen (CS BUIC E-8)
36.	Engr. Syeda Nazia Ashraf 02-284182-001	PhD CS, BUKC	Dr. Raheel Siddiqi	Novel CNN-based Technique for Reliable Detection and Classification of Pneumonia	1. Dr. Najeed Ahmed Khan (NED UET) 2. Dr. Muhammad Sarim (Federal Urdu University, Karachi) 3. Dr. Amina Jamil (CE BUIC H-11) 4. Dr. Hina Shakir (SE BUKC)
37.	Ms. Darakhshan Syed 02-284212-001	PhD CS, BUKC	Dr. Ghulam Muhammad (Dr. Syed Safdar Ali Rizvi)	An Efficient Hybrid Load Balancing Mechanism for Cloud Computing by using Metaheuristic Algorithms	1. Prof. Dr. Jawwad Shamsi (FAST NUCES) 2. Dr. Shafique Ahmed Awan (Benazir Bhutto Shaheed University, Lyari) 3. Dr. M. Osama Rehman (SE BUKC) 4. Dr. Taha Jilani (CS BUIC)
38.	Muhammad Shahzad 02-284212-002	PhD CS, BUKC	Dr. Syed Safdar Ali Rizvi (Dr. Talha Ahmed Khan)	Blockchain-Based Network Security Mechanism for Software-Defined Networking	1. Prof. Dr. Syed Abbas Ali (NED UET, Thar Campus) 2. Prof. Dr. Shehnaila Zardari (NED UET Karachi) 3. Dr. M. Taha Jilani (CS BUKC) 4. Dr. Asif Aziz (CS BUKC)
39.	Javed Ahmed 02-284222-001	PhD CS, BUKC	Dr. Ghulam Muhammad	Predictive Resource Management for enhanced Containerized Workloads using Deep Reinforcement Learning	1. Prof. Dr. Aftab Ahmed Shaikh (Sindh Madressatul Islam, University) 2. Dr. Zulfiqar Ali Memon (FAST, Karachi) 3. Dr. Asif Aziz (CS BUKC) 4. Dr. Syed Safdar Ali Rizvi (CS BUKC)
40.	WAQAR KHALID (01-281202-001)	PhD CE, BUIC, H-11	Prof. Dr. Shehzad Khalid (Dr. Syed Mohammad Usman)	A novel deep learning framework for classification of wheat crop's diseases and pests for precision agriculture	1. Prof. Dr. Usman Akram (College of Electrical & Mechanical Engineering, NUST) 2. Dr. Khawar Khurshid (Department of Computer Science, NAMAL University, Mianwali) 3. Dr. Amna Waheed Awan (BUIC, H-11 campus) 4. Dr. Sumaira Kausar (BUIC, E-8 campus)
41.	Muhammad Yaseen (01-281201-001)	PhD EE, BUIC, H-11	Prof. Dr. Imran Fareed Nizami	Resilience Constrained Energy	1. Dr. Attique ur Rehman (GIKI, Swabi, KPK)

			(Dr. Faheem Haroon)	Management System for Microgrids with High DG Penetration	2. Dr. Muhammad Majid (Electrical Engineering Department, UET Taxila) 3. Dr. Adil Ali Raja (EE BUIC H-11) 4. Dr. Haad Akmal (EE BUIC H-11)
42.	Adnan Yaqoob Salik (01-281192-001)	PhD EE, BUIC, H-11	Prof. Dr. Shehzad Khalid (Dr. Taimoor Hassan)	Efficient AI Architecture for Real-Time Applications	1. Dr. Usman Akram (College of Electrical & Mechanical Engineering, National University of Sciences & Technology) 2. Dr. Khawar Khurshid (NAMAL University) 3. Dr. S M Usman (CS BUIC H-11) 4. Dr. Amna Jameel (CE BUIC H-11)
43.	Muhammad Junaid (01-281222-001)	PhD EE, BUIC, H-11	Prof. Dr Asad Waqar (Dr. Imran Fareed Nizami)	AI-Based Optimization of Distribution Networks Integrating Distributed Generation and Electric Vehicles	1. Dr. Intisar Ali Sajjad (Electrical Engineering Department, UET Taxila) 2. Dr. Azhar ul Haq (Electrical Engineering Department, CEME, NUST) 3. Dr. Syed Umaid Ali (BSEAS, H-11 campus, Islamabad) 4. Dr. Faheem Haroon (BSEAS, H-11 campus, Islamabad)
44.	Zia Ur Rehman 01-281222-002	PhD EE, BUIC, H-11	Prof. Dr. Asad Waqar (Dr. Muhammad Aamir)	Reliability-Aware Design of Power Electronics Converters for EV Applications	1. Dr. Muhammad Shoaib Khalid (FAST-National University of Computer and Emerging Sciences, Chiniot Campus) 2. Dr. Azhar ul Haq (Electrical Engineering Department, CEME, NUST) 3. Dr. Syed Umaid Ali (BSEAS, H-11 campus, Islamabad) 4. Dr. Faheem Haroon (BSEAS, H-11 campus, Islamabad)

Action Required	Action By	Responsibility
Implementation of Decision 2401	PGP Coordinators	Concerned HoDs

7. Point Dropped.

Item No. 2502: Reappointment of Foreign Evaluators for PhD Candidate Mr. Adil Naseer- E&ES Department, BSEAS H-11 Campus

Sponsor: HoD, E&ES H-11 Campus

Referral Authority: DRC

Summary of the Case:

8. HoD E&ES H-11 Campus presented the case of Appointment of Foreign Evaluators for PhD Candidate Mr. Adil Naseer.

Discussion:

9. The following Foreign Evaluators were recommended by the 21st FRC (item 2105 serial no 7).

SNo.	Name (Enrolment #)	Dept.	Program	Supervisor (Co-Supervisor)	Theis Title	Recommended Foreign Evaluators
1	Adil Naseer (01-286172-004)	E&ES, BUIC, H-11	PhD Geology	Prof. Dr. TahseenUllah Kahn	Assessment of seismic risks and potential damage to infrastructure in Gilgit and surrounding areas, Pakistan	1. Dr. Rodolfo Console (30 th HERC_2910) 2. Dr. Junjie Ren (30 th HERC_2910) 3. Dr. Nordiana Mohd Muztaza (HERC 30 th Agenda 3008) 4. Eleftheria E. Papadimitriou (30 th HERC 2910)

3. Dr Rodolfo and Dr Junjie association has changed and they are now associated with research institutes that are not part of any university. As a result, QS or THE ranking for the expert's association is not available.
4. The QS & THE ranking of the University with which Dr. Eleftheria's is associated is not within 500 of QS or THE ranking.
5. The following foreign evaluators are now recommended by the DRC:

S. No.	Name (Enrolment #)	Dept	Program	Supervisor	Title	Recommended Foreign Evaluators
1	Mr. Adil Naseer (01-286172-004)	E&ES BUIC H-11	PhD Geology	Prof. Dr. Tahseenullah Khan	Assessment of seismic risks and potential damage to infrastructure in Gilgit and surrounding areas, Pakistan	1. Dr. Nordiana Mohd Muztaza (30_HERC_67) 2. Dr. Haylay Tsegab (30th HERC_3008 C) 3. Dr. Ovie Emmanuel Eruteya (32 nd HERC_3214-D) 4. Dr. Kamaldeen Olakunle Leif, Omosanya (30th HERC_3008 C) 5. Dr. Rini Asnida binti Abdullah (30 th HERC_3113 C)

Decision 2502:

- a. The following Foreign Evaluators for PhD Scholar Mr. Adil Naseer are recommended by the FRC:

S. No.	Name (Enrolment #)	Dept & Program	Supervisor	Title	Recommended Foreign Evaluators
1	Mr. Adil Naseer (01-286172-004)	E&ES Dept BUIC H-11, PhD Geology	Prof. Dr. Tahseenullah Khan	Assessment of seismic risks and potential damage to infrastructure in Gilgit and surrounding areas, Pakistan	<ol style="list-style-type: none"> 1. Dr. Nordiana Mohd Muztaza (30_HERC_67) 2. Dr. Haylay Tsegab (30th HERC_3008 C) 3. Dr. Rini Asnida Binti Abdullah (30th HERC_3113 C) 4. Dr. Ovie Emmanuel Eruteya (32nd HERC_3214-D)

Action Required	Action By	Responsibility
Implementation of Decision – 2502	PGP Coordinators	Concerned HoD

6. Point Dropped.

Item No. 2503: Nomination of Examiners for FTD of Mr. Abdul Rehman PhD EE Scholar (01-281172-001) of EE Dept BUIC H-11 Ph.D. Scholars

Sponsor: HoD EE, BUIC-H-11

Referral Authority: DRC

Summary of the Case:

- Abdul Rehman PhD EE Scholar (01-281172-001) is a PhD EE scholar. FRC is requested to recommend the PhD Examiners for the FTD of the Scholar.
- The following FTD Examiners were presented.

S#	Scholar's Name	Supervisor/ Co-Supervisor	Title	Examiners
1	Abdul Rehman 01-281172-004	Dr. Faisal Bashir Hussain	Spectrum Allocation Techniques for 6th Generation Dense and High Data Rate Wi-Fi Networks	<ol style="list-style-type: none"> 1. Dr Muhammad Shiraz Federal Urdu University of Arts, Science and Technology, Islamabad [Agenda 3010, Sr # 40, HERC 30] 2. Dr. Muhammad Sajjad Khan International Islamic University, Islamabad [Agenda 3010, Sr # 52,

				HERC 30] 3. Dr. Muazzam A. Khan Khattak Quaid-i-Azam University, Pak [Agenda 3010, Sr # 12, HERC 30] 4. Dr Syed Ali Hassan College of E&ME, NUST [Agenda 3010, Sr # 39, HERC 30]
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Decision 2503:

9. Based on the DRC recommendation, the following panel of foreign evaluators is recommended by the FRC.

S#	Scholar's Name	Supervisor/ Co-Supervisor	Title	Examiners
1	Abdul Rehman 01-281172-004	Dr. Faisal Bashir Hussain	Spectrum Allocation Techniques for 6th Generation Dense and High Data Rate Wi-Fi Networks	1. Dr Muhammad Shiraz (Federal Urdu University of Arts, Science and Technology, Islamabad) 2. Dr. Muhammad Sajjad Khan (International Islamic University, Islamabad) 3. Dr. Muazzam A. Khan Khattak (Quaid-i-Azam University, Islamabad) 4. Dr Syed Ali Hassan (College of E&ME, NUST)

Action Required	Action By	Responsibility
Implementation of Decision – a	PGP Coordinators	Concerned HoDs

10. Point Dropped.

Item No. 2504: Progress and Extension of Time Bar of Ph.D. Scholar Rana Saeed Ahmad (02-281181-001)

Sponsor: HoD EE BUKC

Referral Authority: DRC

Summary of the Case:

- 11.** Ph.D. scholar Rana Saeed Ahmad (02-281181-001) was enrolled in Spring 2018.

Details of Student:

S. No.	Name (Enrolment #)	Program	Thesis Title	Supervisor (Co-Supervisor)
01	Mr. Rana Saeed Ahmed (02-281181-001)	PhD EE, BUKC	Modelling and Control of Distribution Units of a Microgrid	Prof. Dr. Haroon Rasheed

- 12.** The scholar received three unsatisfactory progress reports from his supervisor due to slow progress during the following periods:
- December 2021-February 2022
 - December 2022-February 2023
 - May 2023-August 2023.
- 13.** His case was presented at the 20th FRC meeting held on 31st October 2023 (Agenda #2008). The FRC recommended the cancellation of his PhD candidacy based on the three unsatisfactory reports, in accordance with BU policy.
- 14.** An application from Mr. Rana Saeed Ahmad was received by the Principal of BSEAS, dated 19th February 2024. In this application, he requested to continue his PhD on compassionate grounds, citing his appointment in the Kingdom of Saudi Arabia (KSA) by the Government of Pakistan/Pakistan Navy. He also referenced the HEC new policy 2023, Article 3.12 (IV), requesting a waiver of the PhD candidacy cancellation and a time-bar extension.
- 15.** The Honourable Rector approved the continuation of Mr. Rana Saeed Ahmad's PhD studies and waived the cancellation of his candidacy due to the three unsatisfactory reports.
- 16.** Prof. Dr. Haroon was assigned as his new supervisor. Mr. Rana Saeed Ahmad was also granted a waiver for the PhD candidacy cancellation and time-bar extension. The 7th-year time-bar extension (from 5th February 2024 to 4th February 2025) was approved under case file BUKC/EE/2024/011.
- 17.** The scholar was requested to submit a research plan to conclude his research. However, to date, he has not submitted the required plan or shown any progress. Considering this, a letter of warning was issued.
- 18.** After multiple reminders to submit research plan to conclude his research, he submitted only a timeline on 17 Dec 2024.
- 19.** The scholar failed to attend Ph.D. Symposium (12 September 2024) and QPR submission (August 2024-November 2024) despite multiple reminders.

Discussion:

- 20.** Based on DRC recommendation, upon discussion, it has been observed he is not properly replying to the communication and does not meet his supervisor.

Decision 2505:

- 21.** The FRC members were not satisfied by the progress shown by the scholar and it was decided to arrange a GEC meeting to evaluate scholar overall progress. The meeting should be arranged before 20 Jan 2025 and its outcomes should be communicated to Chair FRC.

- 22.** The scholar should be informed to attend the said meeting in-person at BUKC and the same should be communicated to the students through multiple communication means.
- 23.** The 8th year extension of the scholar will be supported by the FRC based on the positive recommendations of the said meeting along with the proposed plan/roadmap endorsed by the Supervisor for the degree completion within the extended duration.

Action Required	Action By	Responsibility
Implementation of Decision – 2504	PGP Coordinators	Concerned HoDs

24. Point Dropped.

Item No. 2505: Change in Thesis Titles of PhD Scholar	
Sponsor: HoD CS BUIC-E-8 & HoD CS BUKC	Referral Authority: DRC

Summary of the Case:

- 25.** Ms. Nomana Abid is a PhD Mathematics Scholar under supervision of Dr. Jafar Hasnain. There was slight change in scholar's PhD title. Based on DRC's recommendation the FRC is requested to approve the new title.
- 26.** Ms. Syeda Nazia Ashraf (02-284182-001) is enrolled as PhD Scholar at CS, BUKC under the supervision of Dr. Raheel Siddiqi. During the proposal defense the Scholar received comments to slightly change her research title which was done accordingly but was not reported to the FRC. Therefore, the DRC has requested to update the PhD Topic/Research title of the scholar.

Discussion:

- 27.** The DRC of respective departments have recommended the following changes in the thesis title:

Sr. No.	Name (Enrolment #)	Program	Supervisor (Co-Supervisor)	Current Thesis Title	Proposed Thesis Title
1	Nomana Abid 01-283212-001	PhD Math CS, BUIC, E-8	Dr. Jafar Hasnain	Immiscible fluids flow through curved geometries or curved channel	Immiscible fluids flow through curved geometries
2	Syeda Nazia Ashraf (02-284182-001)	PhD CS, BUKC	Dr. Raheel Siddiqi	Diagnosis of chest diseases using Computer Vision Techniques	Novel CNN Based Technique for Reliable Detection and Classification of Pneumonia

Decision 2505:

- 28.** FRC approves the following PhD Thesis title:

Sr. No.	Name (Enrolment #)	Program	Supervisor (Co-Supervisor)	PhD Thesis Title
1	Nomana Abid 01-283212-001	PhD Math CS, BUIC, E-8	Dr. Jafar Hasnain	Immiscible fluids flow through curved geometries
2	Syeda Nazia Ashraf (02-284182-001)	PhD CS, BUKC	Dr. Raheel Siddiqi	Novel CNN Based Technique for Reliable Detection and Classification of Pneumonia

Action Required	Action By	Responsibility
Implementation of Decision – 2505	PGP Coordinators	Concerned HoD

29. Point Dropped.

Item No. 2506: Time Bar Cases of PhD Scholars	
Sponsor: HoDs	Referral Authority: DRC

Summary of the Case:

30. Recommendation of Extension in Time Bar of PhD Scholars of Faculty of Engineering Sciences as recommended by respective DRCs.

Discussion:

31. FRC is requested to approve 7th year extension cases. Also, FRC is requested to recommend suitable 8th year extension cases for the approval of Honorable Rector.

Decision 2506:

32. Following decisions were undertaken by FRC:

Sr. No.	Name (Enrolment #)	Program	Statuses	Extension Year Requested	Recommendation of FRC
1	Ms. Syeda Nazia Ashraf (02-284182-001)	PhD CS, BUKC	All PhD requirements are complete and waiting for scheduling of FTD.	7th	1 Year Extension is approved.
2	Fazal Muhammad (02-281191-001)	PhD EE, BUKC	His case has already been forwarded for re-defense of the final defense on 25 October 2024.	7th	1 Year Extension is approved.
3	Muhammad Waleed Raza (02-281191-002)	PhD EE, BUKC	The candidate has fulfilled the publication requirement for PhD and has submitted thesis for 15 November 2024.	7th	1 Year Extension is approved.
4	Bushra Fazal Khan (02-200181-009)	PhD SE, BUKC	The student has submitted her PhD Thesis on the TTM but her research work has not been published. The scholar has submitted her research paper and its outcome is expected in Jan 2025. The DRC has recommended conditional 8th year extension in her time bar provided her ITD is completed before Spring 2025.	8 th	Recommended for 8 th year extension subject to the successful defense of Scholar's Pre-Foreign Research Defense & Evaluation before Spring 2025 semester.

Action Required	Action By	Responsibility
Implementation of Decision – 2506	PGP Coordinators	Concerned HoDs

33. Point Dropped.

Item No. 2507: Time Bar Cases of MS Scholars	
Sponsor: HoD E&ES BUKC	Referral Authority: DRC

Summary of the Case:

- 34.** Recommendation for the extension in Time Bar of MS (ES) Scholars of E&ES Dept BUKC as recommended by respective DRC.

Discussion:

- 35.** HoD E&ES BUKC presented the case and highlighted that the scholars are expected to meet the academic requirements for MS ES degree within the requested time bar extension period. FRC is requested to recommend 4th year extension cases for the approval of Honorable Rector.

Decision 2507:

- 36.** Following decisions were undertaken by FRC:

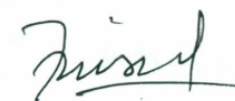
Sr. No.	Name (Enrolment #)	Program	Statues	Extension Year Requested	Recommendation of FRC
1	Sharjeel Iqbal 02-262212-005	MS E&ES, BUKC	The scholar has completed 24 Credit Hours of course work and is writing his MS thesis. The scholar is expected to complete his MS Thesis defense within Spring 2025 semester.	4 th	Recommended for approval from Honorable Rector.
2	Zunaira Mursaleen 02-262212-008	MS E&ES, BUKC	The scholar has completed 24 Credit Hours of course work and has submitted his MS thesis which is under review. The scholar is expected to complete his MS Thesis defense within Spring 2025 semester.	4 th	Recommended for approval from Honorable Rector.

Action Required	Action By	Responsibility
Implementation of Decision – 2507	PGP Coordinators	Concerned HoDs

37. Point Dropped.

Closing of the Meeting

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



Dr. Faisal Bashir Hussain
Dean ES