

**Minutes of the 4th Meeting of FoES RAC
held on 26th September 2024 through MS Teams**



Bahria University

Contents

PROCEEDINGS	4
ITEM NO. 0401: RELEVANCE OF SUPERVISORS FOR PHD SCHOLARS IN PHD CS AND PHD MATH BUIC – E8.....	5
ITEM NO. 0402: RELEVANCE OF FACULTY MEMBERS FOR THE PROPOSED MS ARTIFICIAL INTELLIGENCE PROGRAM – CS DEPT BULC	6
ITEM NO. 0403: RELEVANCE OF SUPERVISORS FOR PHD SCHOLARS IN PHD EE BUIC – H11	6
ITEM NO. 0403: CHANGE OF SUPERVISORS FOR PHD SCHOLARS IN PHD EE BUKC	7
ITEM NO. 0404: RELEVANCE OF SUPERVISORS FOR PHD SCHOLARS IN PHD CE BUIC – H11	7
ITEM NO. 0404: RELEVANCE OF SUPERVISORS FOR PHD SCHOLARS IN PHD E&ES BUIC – H11	8
ITEM NO. 0405: CHANGE OF SUPERVISORS FOR PHD SCHOLARS IN PHD E&ES BUIC – H11..... ERROR! BOOKMARK NOT DEFINED.	
CLOSING OF THE MEETING	9

Minutes of the 2nd RAC Meeting of Faculty Board of Studies Engineering Sciences

Relevance Assessment Committee

Dr. Faisal Bashir Hussain	Dean ES	Chair
Dr. Shahzad Khalid	Principal BSEAS H-11 / HoD CE BUIC H-11	Member
Dr. Haroon Rasheed	Principal BSEAS BUKC	Member
Mr Fazal e Wahhab	Dir QA	Member
Dr Asad Waqar	Dir PGP	Member
Dr. Arif ur Rehman	HoD (CS) BUIC E-8	Member
Dr. Syed Umair	HoD (E&ES) BUIC H-11	Member
Dr. Imran Fareed	HoD (EE) BUIC H-11	Member
Dr. Abdul Attayyab Khan	HoD (EE) BUKC	Member
Dr. Khawaja Qasim	HoD (CS) BULC	Member
Assoc. Prof. Dr Amanullah Yasin	Air University, Islamabad	External Member (Computer Science)
Prof. Dr. Usman Akram	EME, NUST	External Member (Engineering)
Prof. Dr. Sadia Hina	Fatima Jinnah Women University, Rawalpindi	External Member (Mathematics)
Prof. Dr. Sohail Nadeem	Quaid e Azam University	External Member (Mathematics)
Dr Zulfiqar Habib	COMSATS, Lahore	External Member (Computer Science)
Assoc. Prof. Dr. Khaista Rehman Khattak	University of Peshawar	External Member (Earth & Environmental Sciences)
Assoc. Prof. Dr. Said Muhammad	University of Peshawar	External Member (Earth & Environmental Sciences)
Assoc. Prof. Dr. Javed Nawab	Kohat University of Science & Technology	External Member (Earth & Environmental Sciences)
Prof. Dr. Ghous Bakhsh Narejo	NED Karachi	External Member (Engineering)

Proceedings

Preliminaries

FBoS-RAC meeting took place on 26th September 2024, with the quorum complete, the proceedings commenced at 1400 hours, with recitation of the Holy Quran.

In his opening remarks, the Chair stressed the importance for participation in the proceedings while staying focused on the point under deliberation.

Item no. 0401: Relevancy of proposed PhD Supervisors with Research Domain of PhD CS & PhD Mathematics Scholars – CS Dept BUIC E8

1. The agenda was presented by PGP Coordinator of CS on behalf of the Head of the Department Computer Science, BUIC E-8. It was briefed that five PhD students have been admitted in Fall 2024 semester and relevant FMs have given consent for PhD supervision. The case was presented to determine the relevancy of proposed PhD supervisors with respect to research domain of PhD scholars. Allocation of proposed supervisors to PhD Scholars will be approved by the FRC.
2. **RAC Decision 0401:** RAC finds the following proposed PhD Supervisors to be relevant with the study domain of the PhD scholars.

Sr No	PhD Scholar	Title of work	Domain	Domain Keywords	Proposed Supervisor
1	Nabia Khalid	Requirements Driven Explanation Generation by incorporating NLP Techniques	Computer Science	Explainable AI, Deep Learning, Machine Learning, NLP	Prof. Dr. Samabia Tahseen
2	M. Kashif Iqbal	A data driven approach for forecasting food security	Computer Science	Data Analysis, Predictions, Machine Learning, Deep Learning, Digital preservation, Applied Computing	Prof. Dr. Arif ur Rahman
3	M. Shoaib Arshad	A framework for extraction and geographical referencing of spatial expression in textual data	Computer Science	NLP, Spatial Expressions, Data Analysis, Predictions, Machine Learning, Deep Learning	Prof. Dr. Arif ur Rahman
4	Muhammad Aslam	Thermal analysis of hybrid nanoliquid flow through the permeable channel	Mathematics	Magnetohydrodynamics; Nanofluid flow	Snr Prof Dr. Muhammad Ramzan
5	Saeed Abbas	Impact of Induced Magnetic Field on Nanofluid and Hybrid Nanofluid Flows	Mathematics	Hybrid nanofluid flow; Channel flows; Induced magnetic field.	Snr Prof Dr. Muhammad Ramzan

Item no. 0402: Relevance of Faculty members with the MS Artificial Intelligence Program of CS Dept BULC

3. The agenda was presented by the HoD CS BULC. It was informed that CS Dept BULC intends to launch MS Artificial Intelligence program. The agenda was presented to obtain relevancy of CS Dept BULC FMs for the launch of MS Artificial Intelligence program.
4. **RAC Decision 0402:** RAC finds the following PhD Faculty Members of CS Dept BULC relevant to the proposed MS Artificial Intelligence Program.

Sr No	Name	Designation	Research Domain
1	Dr. Iram Noreen	Snr Assoc Professor	Artificial Intelligence, Robotics, Image Processing, Computer Vision, Deep Learning
2	Dr. Muhammad Taseer Suleman	Asst Professor	Machine Learning, Neural Networks and Artificial Intelligence, Pattern Recognition, Bioinformatics

Item no. 0403: Relevancy of proposed PhD Supervisors with Research Domain of PhD Electrical Engineering Scholars – EE Dept BUIC H-11

5. The agenda was presented by PGP Coordinator of EE on behalf of the Head of the Department Electrical Engineering, BUIC H-11. The PGP coordinator presented research domains of three PhD scholars and the detailed profiles of respective potential supervisors & co-supervisors for determining their relevancy.
6. **RAC Decision 0403:** RAC finds the following proposed PhD Supervisors & co-supervisors to be relevant with the study domain of the PhD scholars.

Sr No	PhD Scholar	Title of work	Domain Keywords	Proposed Supervisor
1	Muhammad Yaseen	Resilience Constrained Energy Management System for Microgrids with High DG Penetration	Artificial Intelligence, Deep Learning, Energy management	Dr. Imran Fareed Nizami (Supervisor) Dr. Faheem Haroon (Co Supervisor)
2	Zeeshan Saeed	Adaptive Control of Prosthetic Hand Using BCI and Artificial Intelligence Techniques	Artificial Intelligence Control Systems Brain Computer Interface Health care & Rehabilitation Deep learning and Image fusion	Dr. Junaid Imtiaz (Supervisor) Dr. Maryam Iqbal (Co Supervisor)

3	Imran Ahmed	Resilience Constrained Energy Management System for EVs	Artificial Intelligence, Deep Learning, Energy management	Dr. Imran Fareed Nizami (Supervisor) Dr. Syed Umaid Ali (Co Supervisor)
---	-------------	---	---	--

Item no. 0404: Relevancy of proposed PhD Supervisor(s) with Research Domain of PhD Electrical Engineering Scholar(s) - EE Dept BUKC

7. The agenda was presented by the Head of the Department Electrical Engineering, BUKC. He presented research domains of one PhD scholars and the detailed profile of respective potential supervisor for determining their relevancy.
8. **RAC Decision 0404:** RAC finds the following proposed PhD Supervisor to be relevant with the study domain of the PhD scholars.

Sr No	Name	Title of work	Domain Keywords	Proposed Supervisor
1	Muhammad Faisal Siddiqui	Design of an Ultra-Low Power Bluetooth Low Energy Receiver Front End	BLE, Phase Noise, Quality Factor, CMOS, VCO	Prof. Dr. Haroon Rasheed

Item no. 0405: Relevancy of proposed PhD Supervisor(s) with Research Domain of PhD Computer Engineering Scholars – CE Dept BUIC H-11

9. The agenda was presented by the PGP Coordinator of the Computer Engineering Department on behalf of the Head of Department. The research domain of the PhD scholar and the detailed profile of the respective potential supervisor was presented for determining relevancy of supervisor.
10. **RAC Decision 0405:** RAC finds the following proposed PhD Supervisor to be relevant with the study domain of the PhD scholar.

Sr No	Name	Title of work	Domain Keywords	Proposed PhD Supervisor
1	Muhammad Arsalan Idris	Automated Quality Control of whole slide image and Breast Carcinoma Detection along with Biomarker Identification	Medical Diagnostics, Computer Vision, Machine Learning, Deep Learning, HealthTech	Prof Dr Shehzad Khalid

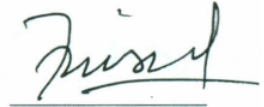
Item no. 0406: Relevancy of proposed PhD Supervisor(s) with Research Domain of PhD Scholar(s) in E&ES Dept BUIC H-11

11. The agenda was presented by PGP Coordinator of E&ES on behalf of the Head of the Department Earth and Environmental Sciences, BUIC H-11. The PGP coordinator presented research domains of five PhD scholars and the detailed profiles of respective proposed supervisors & co-supervisors for determining their relevancy.
12. **RAC Decision 0406:** RAC finds the following proposed PhD Supervisors & co-supervisors to be relevant with the study domain of the PhD scholars.

Sr No	Name	Title of work	Domain Keywords	PhD Supervisor
1	Haris Ali	Carbon Storage via Reservoir Characterization: A critical Analysis Regarding Middle Indus Basin, Pakistan	Geophysical Exploration, Seismic, Petrophysics, Carbon Storage	Dr. Urooj Shakir (Supervisor) Dr. Muhsan Ehsan (Supervisor)
2	Kamran Younas	Management Of Noxious Weed (Parthenium Hysterophorus) Through Biochar and Remediation of Selected Organic and Inorganic Pollutants in Synthetic and Industrial Effluents	Green waste, Adsorptive removal, Biochar, Water Treatment, sustainability	Dr. Asma Jamil (Supervisor) Dr. Mahtab Ahmed (Co Supervisor)
3	Muhammad Nofal Munir	Reservoir Diagenesis and Quality prediction of Late Cretaceous Pab Sandstones Lower Indus Basin, Pak	Reservoir characterization, Thin Bed, Seismic Interpretation, Inversion, Petrophysics	Dr. Muhsan Ehsan (Supervisor) Dr. Mohammad Zafar (Co Supervisor)
4	Furqan Aftab	Reservoir Characterization of Sands of Sembar Formation, Lower Indus Basin, Pakistan	Reservoir characterization, Sembar Sands, Seismic Interpretation, Inversion, Petrophysics	Dr. Muhammad Iqbal Hajana (Supervisor) Dr. Mohammad Zafar (Co Supervisor)
5	Waqar Ahmed	Integrated Diagenetic Modeling and Its Impact on The Reservoir Quality of Chiltan Limestone and Samana Suk Formation, Foreland Sedimentary Fold-Belt, Pakistan	Reservoir characterization, Chiltan Formation, Petrography, Core interpretation	Dr. Mumtaz Ali Khan (Supervisor) Dr. M. Raiees Amjad (Co Supervisor)

Closing of the Meeting

There being no further points, the Chair brought the meeting to a close, thanking the participants for their wholehearted participation, especially the external Members of the Committee.



Prof. Dr. Faisal Bashir Hussain
Dean Faculty of Engineering Sciences
Bahria University