

**Minutes of the 1st Meeting of
Relevance Assessment Committee (RAC)
Faculty of Engineering & Sciences
held on 1st April 2024 through MS Teams**



Bahria University Islamabad

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Minutes of the 1st RAC Meeting of Faculty Board of Studies Engineering Sciences

Relevance Assessment Committee

Prof. Dr. Faisal Bashir Hussain	Dean ES	Chair
Prof. Dr. Shahzad Khalid	Principal BSEAS H-11	Member
Assoc. Prof. Dr. Sohaib Ahmad	Principal BSEAS BUKC	Member
Mr Fazal e Wahhab	Dir QA	Member
Prof. Dr Asad Waqar	Dir PGP	Member
Prof. Dr. Arif ur Rehman	HoD (CS) BUIC E8	Member
Prof. Dr. Moneeb Gohar	HoD (CS) BUIC H-11	Member
Assoc. Prof. Dr. Said Akbar Khan	HoD(E&ES) BUIC H-11	Member
Assoc. Prof. Dr. Junaid Imtiaz	HoD (EE) BUIC H-11	Member
Assoc. Prof. Dr. Adeel Syed	HoD (SE) BUIC H-11	Member
Assoc. Prof. Dr. Mukesh Kumar Maheshwari	HoD (EE) BUKC	Member
Assoc. Prof. Dr. Salma Hamza	HoD (E&ES) BUKC	Member
Assoc. Prof. Dr. Syed Safdar Ali	HoD (CS) BUKC	Member
Assoc. Prof. Dr. Hina Shakir	HoD (SE) BUKC	Member
Prof. Dr. Moazzam Khattak	Quaid e Azam University	External Member
Prof. Dr. Hammad Afzal	NUST	External Member
Assoc. Prof. Dr Amanullah Yasin	Air University	External Member
Prof. Dr. Syed Ali Hassan	NUST	External Member
Prof. Dr. Sohail Nadeem	Quaid e Azam University	External Member
Assoc. Prof. Dr. Sadia Hina	Fatima Jinnah University	External Member
Assoc. Prof. Dr. Javed Nawab	KUST	External Member
Assoc. Prof. Dr. Said Muhammad	University of Peshawar	External Member

Proceedings

Preliminaries

FBoS-RAC meeting took place on 1st April 2024, with the quorum complete, the proceedings commenced at 1000 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. 0101: Relevance of PhD Supervisors - CS Dept BUIC E-8

The agenda was presented by HoD CS and the RAC finds the following PhD Faculty Members relevant to the research topic/domain of their respective PhD Scholars.

S. No.	Name of PhD Scholar	Enrolment	Title of Work	Domain/Keywords (Maximum 5 words)	PhD Supervisor
1	Shahela Saif	01-284181-002	Identification of Synthetically Generated Video using Forensic Analysis Techniques	Digital Image Analysis, Multimedia Forensics, Deep Fake, Synthesized Images.	Dr. Samabia Tehseen
2	Saneeha Khalid	01-284172-002	Obfuscated Android Malware Detection using Dynamic Analysis Techniques	Malware Obfuscation, Dynamic Malware analysis, Android security, Mobile security	Dr. Faisal Bashir
3	Abeer Iftikhar	01-284202-001	Security Provision by Using Detection and Prevention Methods to Ensure Trust in Edge Based Smart City Networks	Edge computing, Trust management, Smart cities, Detection and prevention of Cyber attacks	Dr Kashif Naseer
4	Amir Ali	01-284202-002	Neuropsychological Assessment using Intelligent Techniques for Dyslexic Children	Dyslexia Cognitive assessment Intelligence tests Reading disorder Linguistic risk factors	Dr. Sumaira Kausar
5	Shahid Mahmood	01-284212-002	Trust Management Framework for Resource-Constrained Edge Devices	Trust framework Resource-constrained devices Edge computing Security Quality of service (QoS)	Dr. Moneeb Gohar

6	Qasim Mehmood	01-284221-001	Document Visual Question Answering to Interpret Multiple Modalities in Document Images	Visual question answering Document images Multi-modal analysis Layout information SlideVQA	Dr. Samabia Tehseen
7	Athar Waqar Alvi	01-284221-002	Lightweight Framework for Auto Management of Digital Certificates in Industrial Internet-of-Things Network	Digital certificates Industrial IoT Symmetric cryptographic mechanism Certificate authority management Elliptic Curve Diffie Hellman (ECDH)	Dr. Moneeb Gohar
8	Nasir Iqbal	01-284212-001	Realistic Synthetic Malware Generation for Improving Robustness of Malware Detection Models	Malware generation Robustness enhancement Generative Adversarial Networks (GANs) Adversarial training Black-box attack	Dr. Faisal Bashir
9	Nasir Ali	01-284232-003	A Novel Hybrid Framework for Detecting Fileless Cryptojacking Malware	Fileless cryptojacking, Hybrid framework, Real-time detection, Statistical code analysis, WebAssembly	Dr. Moneeb Gohar
10	Muhammad Akram Sahi	01-284232-006	Intelligent Resource Management in Software Defined Networks via SDn Controller	Software-Defined Networking (SDN) Resource allocation Infrastructure mapping Edge computing Dynamic resource management	Dr. Muhammad Khurram Ehsan
11	Lala Rukh Majeed	01-284232-002	Intelligent TRUST Framework for Secure and Reliable Internet of Things (IoT)	IoT ,Security Trust framework Privacy Data sharing, Machine Learning	Dr. Saba Mahmood

12	Qadeer Hashir	01-284232-004	AI-based Techniques for Analyzing Health-related Challenges, especially Drug-to-Drug Interaction and its Exorbitant Effects	Artificial intelligence, Drug interactions, Health challenges, Pharmacovigilance Adverse effects	Dr. Muhammad Asfand-e-Yar
13	Umair Saeed	01-284232-005	Non-Invasive Early Diagnosis of Diseases using Computer Vision Techniques	Computer vision Disease diagnosis Non-invasive Medical imaging Early detection	Dr. Sumaira Kausar
14	Ateeq ur Rehman	01-284232-001	Performance Efficient, Edge based distributed anomaly detection framework for smart devices	Edge computing Anomaly detection Distributed framework Smart devices Real-time response	Dr. Moneeb Gohar
15	Muhammad Rizwan Sarfraz	01-284232-007	Security Issues of QUIC and Solutions	IoT, Energy Constrained Devices, Cyber Threats, Transport Layer, Application Layer	Dr. Moneeb Gohar
16	Tabinda Sajjad	01-283191-001	Non Orthogonal Stagnation Point Flow of a Nanofluid Along a Moving Surface	Fluid Mechanics, Flows, Nano Fluids, Mathematical Modelling	Dr. Rizwan ul Haq
17	Nazia Shahmir	01-283202-001	Effects of magnetohydrodynamics on mono and hybrid nanofluid flows over different geometries	Magnetohydrodynamics, Hybrid nanofluid Darcy–Forchheimer theory, Slip conditions, Exponential stretchable sheet	Dr. Muhammad Ramzan
18	Ali Raza	01-283202-002	Mixed convection analysis due to heated source in channels and deformable enclosure	Mixed convection, Heated source, Channel-cavity, arrangement Curved pipe, Secondary flow	Dr. Jafer CO Dr. Rizwan-ul-Haq
19	Nomana Abid	01-283212-001	Immiscible fluids flow through curved geometries or curved channel	Immiscible fluids, curved pipe, Fluid-fluid interface, Viscosity ratio, Density ratio	Dr. Jafer Hasnain

20	Zulfiqar Ali	01-283232-001	Blade Coating Phenomena of Lubricated Non-Newtonian Polymers	Blade coating Non-Newtonian polymers Upper convected Jeffery's fluid Coating thickness Material parameters	Dr. Jafer Hasnain
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Item no. 0102: Relevance of PhD Supervisors - CS Dept BUKC

The agenda was presented by HoD CS and the RAC finds the following PhD Faculty Members relevant to the research domain/topic of their respective PhD Scholars.

S. No.	Name of PhD Scholar	Enrolment	Title of Work	Domain/Keywords (Maximum 5 words)	PhD Supervisor
1	Ms. Fasiha Ikram	02-284171-001	A Hybrid Recommendation System Considering Visual-Textual Information using Machine Learning Techniques	Machine Learning, Data Science, Object Detection, Recommendation Systems, Natural Language Processing	Dr. Humera Farooq
2	Ms. Syeda Nazia Ashraf	02-284182-001	Novel CNN Based Technique for Reliable Detection and Classification of Pneumonia	Medical Imaging, Adversarial Attacks, Adversarial Defense, Deep Learning, Computer Vision	Dr. Raheel Siddique
3	Ms. Darakhshan Syed	02-284212-001	An efficient hybrid load balancing mechanism for Cloud Computing by using metaheuristic algorithms	Cloud Computing, Artificial Intelligence	Dr. Ghulam Muhammad
4	Mr. Muhammad Shahzad	02-284212-002	Blockchain-Based Network Security Mechanism for Software-Defined Networking	Communication Networking, Network Security	Dr. Syed Safdar Ali Rizvi

5	Mr. Javed Ahmed	02-284222-001	An Optimizing Containerized Workloads. A Novel Deep Reinforcement Learning Approach for Resource Management in Cloud Computing	Cloud Computing, IaaS, Containerization	Dr. Ghulam Muhammad
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Item no. 0103: Relevance of PhD Supervisors - CE Dept BUIC H-11

The agenda was presented by HoD CE and the RAC finds the following PhD Faculty Members relevant to the research domain/topic of their respective PhD Scholars.

S. No.	Name of PhD Scholar	Enrolment	Title of Work	Domain/Keywords (Maximum 5 words)	PhD Supervisor
1	AMNA WAHEED AWAN	01-281171-005	Analysis of Physiological Signals for Emotion Charting	Artificial Intelligence, Deep Learning, Computer Vision, Real-time applications, Machine Learning	Prof. Dr. Shehzad Khalid
2	Waqar Khalid	01-281202-001	A novel deep learning framework for classification of wheat crop's diseases and pests for precision agriculture	Artificial Intelligence, Deep Learning, Computer Vision, Real-time applications, Machine Learning	Prof. Dr. Shehzad Khalid

Item no. 0104: Relevance of PhD Supervisors - SE Dept BUIC-H11

The agenda was presented by HoD SE and the RAC finds the following PhD Faculty Members relevant to the research domain/topic of their respective PhD Scholars.

S. No.	Name of PhD Scholar	Enrolment	Title of Work	Domain/Keywords (Maximum 5 words)	PhD Supervisor
1	Shah Hussain	01-281232-001	Modal-Based penetration framework for edge computing devices	Software Engineering, Cyber Security and Deep learning	Prof. Dr. Tamim A Khan

2	Sidra Siddiqui	01-281202-002	A Novel Obfuscation Framework to Detect, Test and Effectively Prevent Intrusion of Obfuscated Android Malwares	Information Security, Deep learning, Obfuscation techniques	Prof. Dr. Tamim A Khan
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Item no. 0105: Relevance of PhD Supervisors - SE Dept BUKC

The agenda was presented by HoD SE and the RAC finds the following PhD Faculty Members relevant to the research domain/topic of their respective PhD Scholars.

S. No.	Name of PhD Scholar	Enrolment	Title of Work	Domain/Keywords (Maximum 5 words)	Proposed PhD Supervisor
1	MAHAWISH	02-200182-006	Self-Healing and Light-Weight Intrusion Detection	Internet of Things, Cybersecurity, Connected Vehicles, Intelligent Security Solutions	Dr. Osama Rahman
2	AYESHA ARSHAD	02-281222-001	Secure Software Development for mitigating Cyber-attacks over the IoT Ecosystem	Internet of Things, Cybersecurity, Connected Vehicles, Intelligent Security Solutions	Dr. Osama Rahman
3	BUSHRA FAZAL KHAN	02-200181-009	An agile approach for inquiry-based learning in ubiquitous environment	Technology Enhanced Learning, Agile Software Development, Inquiry-Based Learning, Ubiquitous Learning, Learners' behaviors	Dr Sohaib Ahmed
4	REEMA QAISER KHAN	02-281232-001	Detection of breast cancer using histopathological image classification with deep learning technique	Medical Image analysis, Digital Image processing, computer vision, machine learning	Dr. Hina Shakir

Item no. 0106: Relevance of PhD Supervisors - EE Dept BUIC-H11

The agenda was presented by HoD EE and the RAC finds the following PhD Faculty Members relevant to the research domain/topic of their respective PhD Scholars.

S. No.	Name of PhD Scholar	Enrolment	Title of Work	Domain/Keywords (Maximum 5 words)	PhD Supervisor
1	Adnan Yaqoob Salik	01-281192-001	Efficient AI Architecture for Real-Time Applications	Artificial Intelligence, Deep Learning, Computer Vision, Real-time applications, Machine Learning	Prof. Dr. Shehzad Khalid
2	Muhammad Hasan Danish Khan	01-281172-001	Blockchain Enabled Secure Transaction System for Decentralized Energy Trading in Microgrids	Blockchain, Network Management, Smart grid, Energy Efficiency, Cyber Security	Dr. Junaid Imtiaz
3	Maryam Iqbal Shah	01-281171-003	Modeling and Control Synthesis of Robotic Digits for Movement Coordination in an Anthropomorphic and Impaired Hand	Biomechanics Modeling Optimal and Robust Control Systems Applications in Control Rehabilitation Robotics	Dr Asif Mahmood Mughal
4	Muhammad Yaseen	01-281201-001	Resilience Constrained Energy Management System for Microgrids with High DG Penetration	Resilience, EMS, Microgrids, Distributed Generation, Artificial Intelligence	Dr Asad Waqar
5	MUHAMMA D JUNAID	01-281222-001	Reinforcement Learning-Based Optimization of Distribution Networks Integrating Distributed Generation and Electric Vehicles	Reinforcement learning, Distributed Generators, Distribution network, Optimization, Electric Vehicles (EVs)	Dr Asad Waqar
6	Faheem Haroon	01-281172-005	An improved Sliding Mode Control for Voltage Source Inverters using Optimal Surface Selection Mechanism	Distributed Generation. Micro Grid. Sliding Mode Control. Stability. Electrical Vehicles.	Prof. Dr. Asad Waqar
7	Syed Umaid Ali	01-281172-006	Control Of Hybrid Ac-Dc Microgrid Using Variable Weighing Factor Algorithm	Model Predictive Control (MPC), Energy management system (EMS), Hybrid micro	Prof. Dr. Asad Waqar

				grid, Hybrid Wind PV Battery System, Distributed Energy Resources (DER), Battery Energy Storage System (BESS), Bidirectional interleaving converter (BIC).	
8	ZIA UR REHMAN	01-281222-002	Reliability-Aware Design of Power Electronics Converters for EV Applications.	Power Electronics, EV Applications, Distribution System, V2G, AI applications.	Prof. Dr. Asad Waqar
9	Abdul Rehman	01-281172-004	Spectrum Allocation Techniques for 6 th Generation Defense and High Data Rate Wi-Fi Networks	IoT, 5G/6G Wireless Networks, Channel Access Control, Resource Allocation, Mac Layer Access	Prof. Dr. Faisal Bashir Hussain
10	Muhammad Waqas	01-281181-001	Energy and Spectral Efficient Resource Allocation for Heterogenous Networks	IoT, 5G/6G Wireless Networks, Channel Access Control, Resource Allocation, Mac Layer Access	Dr. Saleem Aslam

Item no. 0107: Relevance of PhD Supervisors - EE Dept BUKC

The agenda was presented by HoD EE and the RAC finds the following PhD Faculty Members relevant to the research domain/topic of their respective PhD Scholars.

S. No.	Name of PhD Scholar	Enrolment	Title of Work	Domain/Keywords (Maximum 5 words)	PhD Supervisor
1	Ashee Ahmed Tanveer	02-281171-001	Millimeter Wave for Vehicular Communication Using Efficient Coding Technique	Millimeter-wave, VANET, BCH coding	Prof. Dr. Haroon Rasheed

2	Rana Saeed Ahmed	02-281181-001	Modelling and Control of Distribution Generation Units of a Microgrid	Power Systems Analysis, Microgrid, MPPT	Prof. Dr. Haroon Rasheed
3	Fazal Muhammad	02-281191-001	Design Of Modular Multilevel Converter for Enhancement of Electrical Energy Efficiency Of Smart Grid	Power System Analysis, Modular Multilevel Converter, Voltage source converter, Power losses	Prof. Dr. Haroon Rasheed
4	M. Faisal Siddiqui	02-281172-002	Design An Ultra Low Power Bluetooth Low Energy Receiver Fron End	BLE, Phase Noise, Quality Factor, CMOS, VCO	Dr. Mukesh Kumar Maheshwari
5	M. Waleed Raza	02-281191-002	Frequency And Voltage Control of Offshore Grid Connected With Hybrid Csc/Vsc HvdC System	Power System Analysis, VSC, Offshore Grid, HVDC	Dr. Muhammad Raza
6	M. Ovais Akhter	02-281192-001	ULP Power Amplifier using 65 nm CMOS Technology	CMOS; Power Amplifier; Gain, ultra-low power, IoTs, Power added efficiency, Class-F, envelope tracking, insertion loss, 65 nm CMOS technology	Dr. Aurangzeb Rashid Masud

Item no. 0108: Relevance of PhD Supervisors - E&ES Dept BUIC-H11

The agenda was presented by HoD E&ES and the RAC finds the following PhD Faculty Members relevant to the research domain/topic of their respective PhD Scholars.

S. No.	Name of PhD Scholar	Enrolment	Title of Work	Domain/Keywords (Maximum 5 words)	PhD Supervisor
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1	Muhammad Nofal Munir	01-286172-001	Reservoir Diagenesis and Quality prediction of Late Cretaceous Pab Sandstones Lower Indus Basin, Pakistan	Reservoir Diagenesis and Quality prediction of Late Cretaceous Pab Sandstones Lower Indus Basin, Pakistan	Dr Muhammad Zafar
2	Aneela Khan	01-286172-002	Hydroclimatological Response of Selected Sub-Basins of the Upper Indus Basin for Mid and End Century	Climate change, Snow cover area, Cryosphere, Hydrologic regime, MODIS	Dr. Humera Farah
3	Furqan Aftab	01-286172-003	Reservoir Characterization of Sands of Sembar Formation, Lower Indus Basin, Pakistan	Sembar Formation Sands, Sandstone Diagenesis, Sandstone Reservoir Quality, XRD, Petrography, SEM, XRF, ICP-MS, Rock Physics Analysis, Artificial Neural Network, Fluid Inclusion Studies.	Dr. Muhammad Zafar
4	Adil Naseer	01-286172-004	Assessment of seismic risks and potential damage to infrastructure in Gilgit and surrounding areas, Pakistan	Seismic risk, Earthquake, Tectonics, Moho discontinuity; Teleseismic	Prof. Dr. TahseenUllah Khan
5	Adeeb Ahmed	01-286172-005	Unconventional Resource Potential Evaluation of Shale Facies of Sembar Formation, Lower Indus Basin, Pakistan	Organic geochemistry; Paleoenvironmental conditions. Mineralogy and porosity evaluation; Shale gas. Shale oil	Prof. Dr. TahseenUllah Khan
6	Muhammad Asif Khan	01-286172-007	An Integrated Reservoir Characterization Study of The Cretaceous Lower Goru Tight Sands, Middle Indus Basin, Pakistan	Petrophysics, Reservoir modeling, Rock physics, Seismic inversion, Tight gas	Prof. Dr. TahseenUllah Khan
7	Zainab Wahab	01-286172-008	Effect of urbanization and climate change on metropolitan environment in Islamabad, Pakistan	Demographic growth, Remote sensing, Sustainable Development Goals (SDGs), Urban policies, Urbanization	Dr. Humera Farah

8	Waqar Ali	01-286172-009	Spatio-temporal change analysis of climate induced hydrological extreme events in the Swat River Basin, Khyber Pakhtunkhwa, Pakistan.	Water discharge, Precipitation, Temperature, Downscaling, Climate change, SDSM trend	Dr Asma Jamil
9	Sumaira Akram	01-286182-001	Biomonitoring Of Hazardous Substances in Workers Associated with Electronic Waste Processing Facility in Pakistan	Solid waste, Heavy metals, Organic contaminants, Health risk assessment	Dr Said Akbar
10	Hina Wajid Satti	01-286182-002	Estimation Of Reservoir Properties Using Statistical Rock Physics and Seismic Inversion Techniques for Hydrocarbon Exploration, Manzalai Area, Kohat Plateau, Pakistan	Reservoir properties, Hydrocarbon exploration, Rock physics, Seismic inversion, Manzali area	Prof. Dr. TahseenUllah Khan
11	Abdul Shakoor	01-286182-003	Estimation and Analysis of Atmospheric Emissions from Ship Breaking Industry in Gadani Ship Breaking	Particulate matter, Heavy metals, Atmospheric Emissions	Dr Said Akbar
12	Waqar Ahmad	01-286192-001	Integrated Diagenetic Modeling and Its Impact on The Reservoir Quality of Chiltan Limestone and Samana Suk Formation, Foreland Sedimentary Fold-Belt, Pakistan	Diagenetic modeling, Reservoir quality, Chiltan limestone, Samana Suk Formation, foreland sedimentary fold belt Pakistan	Dr Muhammad Zafar
13	Umair Rashad	01-286192-003	Impact of Seasonal and Spatial Variation of Inorganic Pollutants in Air and Vegetation of Rawalpindi	Bio monitoring, Particulate matter, Air quality, Metal estimation	Dr Aansa Rukya Saleem

14	Qadeer Ahmad	01-286192-004	Hydrocarbon Exploration Risk Mitigation Through Mapping Petroleum Migration Pathways Using Seismic and Geochemistry Data, Punjab Platform, Pakistan	Integrated assessment, organic richness, source maturity, enhanced hydrocarbon exploration, seismic inversion, basin modeling	Dr Muhammad Iqbal Hajana
15	Syed Maqsood Ali Gilani	01-286202-001	A sequence stratigraphic model for Lower Cretaceous reservoir sands distribution in Tando Allah Yar Area, Lower Indus Basin, Pakistan	Environment of Deposition, Lower Goru, Extensional Tectonics, Sedimentology & Stratigraphy, Facies Analysis.	Dr Muhammad Iqbal Hajana
16	Umar Manzoor	01-286202-002	Seismic driven thin reservoir facie classification using advanced machine learning algorithms: A research on Lower Ranikot Sandstone Reservoir, Kirthar Foldbelt, Lower Indus Basin, Pakistan	Machine learning, Continuous wavelet transform, Conventional neural network, Reservoir Characterization, Thin-heterogeneous sand, Pore pressure	Dr Muhsan Ehsan
17	Kamran Younas	01-286202-004	Management of Noxious Weed (Parthenium Hysterophorus) Through Biochar and Remediation of Selected Organic and Inorganic Pollutants in Synthetic and Industrial Effluents	Environmental pollutants; treatment; Remediation; Wastewater	Dr Asma Jamil
18	Haider Shabbir	01-286202-001	Landslide risk assessment for Jhelum Basin, Pakistan using a global hydro-climatic dataset	GIS, Remote Sensing, Hazard Assessment, Hydrogeology, groundwater, SBAS-InSAR	Dr Muhsan Ehsan
19	Rana Faisal Shahzad	01-286202-002	Enhancing Reservoir Characterization Through a Machine Learning Approach Utilizing Sequence Stratigraphy Model for	Reservoir Characterization, Machine Learning, Sequence Stratigraphy, Seismic	Dr Muhammad Iqbal Hajana

			Cretaceous Sands, Lower Indus Basin, Pakistan	Inversion, Lower Goru Fairway	
20	Saima Nazir	01-286202-003	Assessment of Particulate Matter, Gaseous and Volatile Organic Compound Emissions in Selected cities of Pakistan	Particulate matter, Heavy metals, Organic contaminants, Health risk assessment	Dr Said Akbar Khan
21	Aisha Khaled Chaudhri	01-286222-001	Mitigating Soil Pollution: Harnessing the Synergistic Potential of Coconut Biochar Nanocomposites with Zinc and Plant Growth- Promoting Rhizobacteria (PGPR) for Phthalate Remediation	Biocomposite, Adsorption, Phthalate, Bioremediation, Biochar	Dr Aansa Rukya Saleem
22	Kamran Siddique	01-286222-002	Integrated application of constructed floating wetland system for the treatment of textile- based wastewater augmented with bacteria	Assisted phytoremediation, Constructed wetland, Floating treatment, Anaerobic digestion, Azo dyes	Dr Aansa Rukya Saleem
23	Shahzad Naveed	01-286222-003	Quantification of Greenhouse Gas Emissions and Mitigation Potential of Slow-Release Non- Protein Nitrogen for Dairy Livestock in Selected Sites of Punjab, Pakistan.	Organic contaminants (Green House Gas), Heavy metals, Atmospheric pollutions, Health risk assessment	Dr Said Akbar Khan
24	Zohaib Naseer	01-286222-004	Evaluation Of Structural Driven Geothermal Systems: A Comprehensive Geophysical Analysis of Thar Platform, Southern Indus Basin, Pakistan	Machine learning, Geothermal Systems, Petrophysical Analysis, Reservoir Characterization, Structural Interpretation, Facies Modeling	Dr Muhsan Ehsan

Item no. 0109: Relevance of PhD Supervisors - E&ES Dept BUKC

The agenda was presented by HoD E&ES and the RAC finds the following PhD Faculty Members relevant to the research domain/topic of their respective PhD Scholars.

S. No.	Name of PhD Scholar	Enrolment	Title of Work	Domain/Keywords (Maximum 5 words)	PhD Supervisor
1	Arjan Das	02-282171-001	SPATIO-TEMPORAL STUDIES OF AIR POLLUTANTS AND THEIR IMPACTS ON KARACHI REGION, PAKISTAN	Air Quality, Spatio-Temporal, Pollutants, Climate	Dr. Yasmin Nergis

Item no. 0110: Relevance of Faculty members for the proposed MS Artificial Intelligence Program – CS Dept BUIC H-11

The agenda was presented by the HoD CS and the RAC finds the following PhD Faculty Members relevant to the proposed MS Artificial Intelligence Program by the CS Dept BUIC H-11.

Sr No	Name	Designation	Research Domain
1	Dr Shehzad Khalid	Snr Professor	Machine Learning, Computer vision, Signal Processing, Natural Language Processing, Intelligent Medical Diagnostics
2	Dr Imran Fareed Nizami	Professor	Medical imaging using AI, Image Quality Assessment using Machine Learning techniques, EEG signal analysis and applications based on AI.
3	Dr Sumaira Kausar	Snr Assoc Professor	Machine learning, Deep Learning, Pattern recognition, Image Analysis
4	Dr Sohail Akhtar	Assistant Professor	Machine Learning, Natural Language Processing, Opinion Mining, Sentiment Analysis, Computational Linguistics

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