



Meeting Minutes

2nd FRC, Faculty of Engineering Sciences March 17, 2017

1. The 2nd meeting of Faculty Research committee of Faculty of Engineering Sciences (FRC-ES) was held on March 17, 2017 in the Video Conference Room, Quaid Block at 1430 hours.

Attendees

2. The meeting was attended by the following:

i.	Prof. Dr. M. Najam-ul-Islam	Dean FES, Chair (FRC-ES)
ii.	Dr. Tehseen Ullah Khan	HoD EES Dept., IC
iii.	Dr. Faisal Bashir	HoD CS Dept., IC
iv.	Dr. Humaira Farooq	HoD CS Dept., KC
v.	Dr. Saleem Aslam	HoD EE Dept., IC
vi.	Dr. Haroon Rasheed	HoD EE Dept., KC
vii.	Dr. Khurram Shehzad	HoD CE Dept., IC
viii.	Dr. Tamim A. Khan	HoD SE Dept., IC
ix.	Dr. Sohaib Ahmed	HoD CSE Dept., KC
x.	Dr. Asim Qureshi	Sr. AP CS Dept., LC
xi.	Dr. Rehan Qureshi	ASP CSE Dept., KC
xii.	Dr. Atif Raza Jafri	Sr. ASP EE Dept., IC
xiii.	Dr. Imran Ahmad Siddiqi	ASP CS Dept., IC
xiv.	Dr. Faisal Aftab	Director ORIC
xv.	Dr. Shehzad Khalid	Director PGP
xvi.	Dr. Muhammad Muzammal	ASP CS Dept., IC (Secretary FRC-FES)

Scribe

Dr. Muhammad Muzammal (Associate Professor, CS Department, Islamabad Campus)

Opening Remarks

3. The meeting started with the recitation from the Holy Quran. Secretary FRC-ES welcomed the members/participants which was followed by the welcoming remarks from Chair FRC-ES.

Agenda

4. The agenda items prepared by respective PGP Coordinators/HoDs were published a week before the meeting.
5. The agenda items presented and the decisions taken are as follows.

Old Agenda Items

Item 2.1. Inclusion of Faculty in the List of Local External Examiners for MS/MPhil – Secretary, FRC-ES

Discussion

6. As per MS/MPhil Rules 2016, 28.1, the list of examiners for MS/MPhil thesis defence is to be approved by HERC after recommendation from FRC.
7. The list of faculty members was presented by secretary FRC-ES for inclusion in the pool of HERC approved list of local external examiners. CVs attached as Annex-A.

Decision

8. The following list of local external examiners was recommended by FRC-ES for onward submission to HERC for approval.

SNo.	Name	Research Area	Designation	Affiliation
1	Dr. Abdul Basit	Image Processing, Machine Learning	Senior Scientist	PINSTECH
2	Dr. Ali Hassan	Machine learning	Assistant Professor	Department of Computer Engineering, College of E&ME, NUST



3	Dr.Abid Khan	Cryptography, Information Security, Security & Privacy Issues in Distributed Computing	Assistant Professor	CIIT, Islamabad, Pakistan
4	Dr. Arslan Shaukat	Machine Learning Speech and Image Processing	Assistant Professor	NUST, Rawalpindi, Pakistan.
5	Dr. Hammad Raza	Computer Vision, Machine Learning	Associate Dean	PNEC, NUST
6	Dr.Hammad A. Qureshi	Data Mining	Assistant Professor	SEECs, NUST, Pakistan
7	Dr.Mansoor Ahmed	Information Security and Privacy, Semantic Web Technologies	Assistant Professor	CIIT, Islamabad, Pakistan
8	Dr.Sufian Hameed	Network and Information Security	Assistant Professor	FAST University
9	Dr.Rizwan Bulbul	Data Mining Data Bases	Assistant Professor	Institute of Space Technology (IST), Islamabad, Pakistan
10	Dr.Shahid Mahmood Khan	Power Systems	Director	PAEC
11	Dr.Shahzad Sarwar	Networking	Assistant Professor	(PUCIT), Lahore, Pakistan
12	Dr. M.Usman Akram	Image Processing, Medical Imaging, Pattern Recognition, Biometrics	Assistant Professor	College of E&ME, NUST
13	Dr.Farhan Riaz	Image Processing	Assistant Professor	College of E&ME, NUST
14	Dr.Shaikh Saaqib Haroon	Networking	Assistant Professor	UET, Taxila



15	Dr. Sheikh Ziauddin	Image processing, Computer vision, Information security	Assistant Professor	COMSATS Institute of Information Technology, Islamabad, Pakistan
16	Dr. Waheed Iqbal	Cloud Computing, Distributed Systems, High Performance Computing, Machine Learning.	Assistant Professor	CASE, Islamabad Pakistan.
17	Dr. Muazzam A. Khan Khattak	Networking	Assistant Professor/ Post Graduate Coordinator	(NUST) Islamabad.
18	Dr. Asif Aziz	Telecommunication and Networking	Assistant Professor	Sir Syed University
19	Dr. Jawad Ashraf	Data Mining, Cloud Computing, Semantic Web	Lecturer	Kohat University of Science and Technology
20	Dr. Zahid Halim	Machine Learning, Data Mining	Associate Professor	Ghulam Ishaq Khan Institute of Engineering Sciences and Technology, Faculty of Computer Science and Engineering
21	Dr. Zahoor Jan	Medical Imaging Segmentation, Pattern Mining, Machine Learning, Data Ware Housing	Assistant Professor HOD of CS Dept	Department of Computer Science, Islamia College University Peshawar, Khyber Pukhtunkhwa, Pakistan
22	Dr. Rashid Ahmad	Machine Learning, Data Mining, Mobile Computing	Assistant Professor	Department of Computer Science, CIIT, Attock Campus
23	Dr. Waseem Shahzad	Machine Learning, Information Systems and Data mining, Evolutionary Computation and Soft Computing	Associate Professor, Head, Department of Computer Science,	FAST, National University of Computer & Emerging Sciences, Islamabad, Pakistan



24	Dr. Faisal Shafait	Machine Learning, Computer Vision, Document Image Analysis, OCR	Associate Professor	National University of Sciences and Technology, Islamabad, Pakistan
25	Dr.Sajid Anwar	Software Engineering, Software Architecture, Software Testing, Search Based Software Engineering Software Maintenance	Associate Professor	Institute of Management Sciences Peshawar, Pakistan
26	Dr. Muhammad Mujtaba	Geology (Petroleum Geology, Basin Analysis, Sedimentology)	Chief Geologist HDIP (Retd.)	Retired
27	Dr. Aamir Ali	Petroleum Geosciences	Assistant Professor, Earth Sciences Department, Quaid-e-Azam University	Quaid-e-Azam University
28	Dr. Shahid Nadeem Qureshi	Geophysics	Advisor/Associate Professor	Quaid-e-Azam University
29	Dr. Suleman Khan	Geology (Sequence and Biostratigraphy)	Assistant Professor	Peshawar University
30	Dr. Mirza Naseer Ahmad	Geophysics	Hod, Earth Sciences Department	Hod, Earth Sciences Department, Abdus Salam School Of Sciences, Nusrat Jahan College
31	Dr. Zulfiqar Ahmad	Hydrogeology/Geophysics	Professor (Retd.)	Retired
32	Dr. Irshad Ahmad	Geology	Professor	Peshawar University
33	Dr. Birkez Aslam Shami	Geology	General Manager Drilling Operations	Dewan Petroleum
34	Dr. Shazia Asim	Geophysics (Seismic Stratigraphy)	Assistant Professor	Quaid-e-Azam University
35	DR. Mohammad Tahir Shah	Geology	Vice Chancellor, FATA University	FATA University



36	Dr. Muhammad Gulraiz Akhter	Hydrogeology/Geophysics	Professor	Quaid-e-Azam University
37	Dr. Nadeem Ahmed	Sequence Stratigraphy	Director Exploration and Reservoir	MOL Pakistan
38	Dr. Anwar Qadir	Hydrogeology	Assistant Prof.	Department of Earth Sciences, Quaid-e-Azam University
39	Dr. Rizwan Ahmed	Wireless Communication & Networking	Assistant Professor	SEECs-NUST
40	Dr. Amir Habib	Wireless Communication	Assistant Professor	IST
41	Dr. M. Khurram Bhatti	Embedded System	Assistant Professor	ITU Lahore
42	Dr. Salman Amin	High Voltage And Energy	Associate Professor	UET-Taxila
43	Dr. Ali Imran Najam	RF and Microwave	Project Director	NESCOM-PIEAS
44	Dr. Usman Zabir	DSP, Embedded System Design	Assistant Professor	Ripah Intl
45	Dr. Taha Jilani	Telecommunication and Networking	Assistant Professor	PAF-KIET
46	Dr. Ahmed Salman	Machine learning, speech information processing	Assistant Professor	SEECs, Islamabad
47	Dr. Yasar Amin	RFID and Microwave Engineering	HOD (Telecom) ASP	UET Taxila
48	Dr. Muhammad Asif Zahoor Raja	DSP, Image Processing	Assistant Professor	COMSATS Attock
49	Dr. Mohammad Nauman	Machine Learning in Security and Privacy	Assistant Professor	FAST, Peshawar
50	Dr. Naveed Mufti	Propagation Modelling, Radio Meteorology	Assistant Professor	UET Peshawar (Mardan Campus)



51	Dr. Fida Muhammad Khan	Power System	Professor	Air University Islamabad
52	Dr. Nouman Azam	Computer Science	Assistant Professor	FAST
53	Dr. Yahya Jan	Embedded systems, Micro-processors and Micro-controllers	Senior Engineer,	Public Sector R & D organization
54	Dr. Muhammad Seyab Khan Yousafzai	Power Electronics, Monitoring and Mitigation for Nano-scaled Circuits	Senior Engineer	Public Sector R & D organization
55	Dr. Muhammad Awais Azam	Advance sensing and communication	Assistant Professor	UET Taxila.
56	Dr. Tassadaq Hussain	Computer Architecture	Assistant Professor	Ripah Intl
57	Hassan Abdullah Khalid	Power Electronics, Electrical Machines	Lecturer	Air University Islamabad
58	Amanullah Yasin	Machine Learning, Knowledge Discovery from Data	Assistant Professor	CASE
59	Farman Ali	E-Learning / Technology Enhanced Learning, Adaptivity and Personalization, Student Modeling/Profiling, Information Retrieval, Image Analysis, and Collaborative Learning Technologies	Head Department of Computer Science	COMSATS Institute of Information Technology, Attock Pakistan.
60	Dr. Ahmad R. Shahid	Information Retrieval	Assistant Professor	CIIT, Islamabad
61	Dr. Asifullah Khan	Pattern Recognition, Digital Watermarking, Bioinformatics, Image Processing, Machine Learning, Computational Intelligence and Deep Neural Networks	Associate Professor	PIEAS, Islamabad
62	Dr. Rashid Ahmad	Web Engineering, Software Engineering	Associate Professor	Department of Computer Engineering, C of E&ME, NUST



63	Dr. Malik Ahmad Kamran	Collaborative systems, Social Network Analysis, Information privacy, and Access Control.	Assistant Professor	Department of Computer Science, CIIT, COMSATS
64	Dr. Farooque Azam	Process Modelling, Web Engineering	Professor	Department Of computer Engineering, College of EME-NUST Rawalpindi
65	Dr. Muhammad Mukaram Khan	Cloud computing, virtualisation, Artificial intelligence, ANN, HPC	Chief Technical Officer	C4I Directorate General Headquarters Rawalpindi
66	Dr Fahim Arif	Software Quality Engineering, Image Processing	Director (Information Assurance)	C&IT Branch GHQ, RWP
67	Dr Hammad Afzal	Data Mining, NLP, Semantic Web, Machine Learning	Assistant Professor	MCS-NUST
68	Dr Muaz A Niazi	Agent based Modelling	Professor (Chief Scientific Officer)	COMSATS
69	Dr Usman Qamar	Pattern Recognition, Text Mining, Data Mining	Assistant Professor	EME-NUST
70	Dr Muhammad Asim Noor	Software Engineering, Software Product Lines	Assistant Professor	Dept. of CS, CIIT Islamabad
71	Dr Mukhtar Ullah	Agent based Modelling	Associate Professor	NUCES, FAST
72	Dr Irfan ul Haq	Cloud Computing, Software Engineering	Associate Professor	PIEAS
73	Dr. Waqas Khan	Data Mining and Machine Learning	Senior Scientist	Centegy Technologies Pvt Ltd
74	Dr. Muhammad Imran Babar	Software Engineering, Software Requirements Engineering	Assistant Professor	APCOMS
75	Dr. Shoaib Asghar	Data Mining, Knowledge Management	Professor & Chief Scientific Officer	COMSATS



76	Dr Syed Jawad Hussain	Computer Networks, Internet and Web Technologies	Assistant Professor	HITEC University Taxila
77	Dr Irum Inayat	Agile Methods, Requirements Engineering, Software Engineering	Assistant Professor	FAST-NUCES
78	Dr. Sajjad Ahmed Madani	Cloud Computing, Wireless Sensor Networks	Associate Professor	CIIT-COMSATS
79	Dr. Iftikhar Azim Niaz	Software Engineering, Software Modelling techniques	Assistant Professor	CIIT-COMSATS
80	Dr Khalid Salim	Information Systems, Data Management, Green Computing	Assistant Professor	Quaid-i-Azam University, Islamabad
81	Dr. Ahmad R.Shahid	Language and Text Processing, Machine Learning, Semantic Analysis	Assistant Professor	CIIT-COMSATS, Islamabad, Pakistan
82	Prof Dr Mureed Hussain	Information Security, Network Security, Computer Networks	Professor	NESCOM-PIEAS
83	Dr. Muddassar Azam Sindhu	Software Validation and Verification, Learning based Software Testing Techniques	Assistant Professor	Department of computer Science Quaid-i-Azam University, Islamabad
84	Dr. Onaiza Maqbool	Software Re-Engineering, Software Engineering	Assistant Professor	Department of computer Science Quaid-i-Azam University, Islamabad
85	Dr. Rabeeh Ayaz Abbasi	Social Media Analysis, Content Analysis	Assistant Professor	Department of computer Science Quaid-i-Azam University, Islamabad
86	Dr. Khurram Khurshid	Image Processing & Computer Vision	Assistant Professor	IST
87	Dr. Khawar Khurshid	Bio-Medical Imaging, Image Processing	Assistant Professor	SEECs-NUST
88	Dr. Naveed Ikram	Software Engineering	Professor	Riphah University, Islamabad



89	Dr. Seemab Latif	e-Learning tools, Text and Data Mining	Assistant Professor	MCS-NUST
90	Professor Nabi Buksh Jumani	Learning and Education	Dean Education	Department of Education, International Islamic University
91	Dr Najeed Ahmed Khan	Artificial Intelligence, Computer Vision	Associate Professor	NED University, Karachi
92	Dr Jawwad A. Shamsi	Cloud Computing, Software Defined Networks, Mobile & Ubiquitous Computing	Associate Professor	FAST-NU, Karachi
93	Dr. Sufian Ahmed	Networking and Information Security	Assistant Professor	FAST-NU, Karachi
94	Dr Ali Hanzala Khan	Software Behavior and Structured Modelling, Ontologies, Semantic Web, Knowledge Engineering	Assistant Professor	NUST-PNEC, Karachi
95	Dr Nadeem Mehmood	Database Systems, Artificial Intelligence, Health-care Information Systems	Assistant Professor	University of Karachi, Karachi
96	Dr Rizwan Iqbal	Knowledge Management, Semantic Web, Ontologies	Associate Professor	Iqra University, North Campus, Karachi
97	Ashfaq Ahmed	Applied optimization in telecommunication and smart systems	Assistant Professor	COMSATS Wah Cantt
98	Azhar ul-haq	Simulation, modeling and control of power electronics based power systems · Photovoltaic powered electric vehicles (EVs) smart charging	Assistant Professor	NUST College of E&ME
99	Dr. Faraz Ahmed Kunwar	Design and Development of Motion Planning Algorithms, Design and Fabrication of Autonomous Vehicles for Planetary	General Manager	Advanced Research, Development and Information Center (ARDIC) Heavy Industries Taxila



100	Muhammad Shoaib Khalid	Smart Grid Architecture, Transient Voltage Stability, Network Expansion Planning, Distributed Generation Control	Assistant Professor	US-Pakistan Centre for Advanced Studies in Energy (USPCAS-E), University of Engineering & Technology (UET) Peshawar
101	Syed Hayder Abbas	Power Electronics and close loop power management, Analog Integrated Circuit Design, Digital Compensation design for DC-DC converters	General Manager	NESCOM
102	Dr. Hameedullah Kazi	ICT in education, Semantic web and ontologies	Professor	ISRA University
103	Dr. Hammad Majeed	Evolutionary Computing, Artificial Intelligence, Image Processing	Assistant Professor	FAST-NU

Action by: Secretary FES-ES

Item 2.2. Inclusion of Faculty in the List of Foreign Evaluators for PhD – Secretary FRC-ES

Discussion

9. As per PhD Rules 2016, 28.1, the list of foreign evaluators for PhD thesis defence is to be approved by HERC after recommendation from FRC.
10. The list of foreign evaluators was presented by secretary FRC-ES for inclusion in the pool of HERC approved list of foreign evaluators. CVs attached as Annex-B.

Decision

11. The following list of foreign evaluators was recommended by FRC-ES for onward submission to HERC for approval.

SNo.	Name	Research Area	Affiliation	Country
1	Dr. Wenhua Ji	Structure geology, Geology of Orogenic belts.	Xi'an Center of China Geological Survey, China	China
2	Dr. Zhongping Ma	Igneous petrology, Litho geochemistry.	Xi'an Center of China Geological Survey, China	China



3	Dr. Hafiz ur Rehman	Geochemistry-Earth's System Processes, Earth Sciences	Kagoshima University, Japan	Japan
4	Dr. Mamoru Murata	Geochemical and geological earth sciences.	Tohoku University, Japan	Japan
5	Dr. Yasushi Watanabe	Mineral Resources, Geo-resources and environment	Hokkaido University, Japan	Japan
6	Dr. Naveen Chilamkurti Smiee	Computer Networks; Wireless Sensor Networks; Network applications; Performance Evaluation	La Trobe University, Melbourne, Australia	Australia
7	Dr. Malek Mouhoub	Constraint Solving and Optimization, Spatio-Temporal Reasoning, Metaheuristics, Reasoning under Preferences and Uncertainty, Scheduling and Planning, Robot Motion Planning, Geographic Information Systems, Artificial Intelligence	Univ. of Regina, Canada	Canada
8	Dr. Anand Paul	Computer Networks; Wireless Sensor Networks;	Kyungpook National University, Korea	Korea
9	Dr. Muhammad Hammoudeh	Cyber Physical Spaces and IoT	Manchester Metropolitan University- UK	UK
10	Dr. Ahmed E. Kamal	Computer Networks; Photonic and Optical Networks; Cognitive Radio Networks; Wireless Sensor Networks; Network Coding and applications; Performance Evaluation	Iowa State University	USA
11	Dr. Ju Wook Jang	Traffic Engineering, Wireless Communication Protocols, Mobile Networks, Sensor Networks	Sogang University, Korea	Korea



12	Dr. Kyung-Geun Lee	Network Design, Cognitive Radio, Next Generation Networks, Traffic Engineering, Smart(Ubiquitous) Network Management System, Smart Devices and Applications, Communication Protocols, Mobile Networks, Energy Harvesting	Sejong University, Korea	Korea
13	Dr. Seungmin Rho	Multimedia Systems, Semantic and Social Web, Ubiquitous computing and its Applications(u-Healthcare)	Department of Multimedia, Sungkyul University, Republic of Korea	Korea
14	Dr. Mohamed-Chaker Larabi	Digital Image Processing and Video Processing.	Electrical and Computer Engineering Department, University of Poitiers, France	France
15	Dr. Sungho Oh	Bio-Medical Imaging, Medical sensors & Patient monitoring technologies	Daegu Research Center for Medical Devices and Green Energy, Korea Institute of Machinery & Materials (KIMM), Daegu, South, Korea	Korea
16	Dr. Sarah Emma Younie	E-Learning, Education and ICT Technologies	De Montfort University, Leicester, UK	UK
17	Dr. Richard Procter	E-Learning, Education and Technology	Education Division, De Montfort University, UK	UK
18	Dr. Kim Stansfield	Systems Engineering, QFDs and Agile Development, IoTs	Warwick Manufacturing Group, Warwick University, UK	UK
19	Professor Pericles Loucopoulos	Information Systems Engineering, Process Modelling, Requirements Engineering	Manchester Business School, UK	UK
20	Dr. Tuncay Ercan	Data Analysis, Information Extraction, Image Processing	Department of Computer	Turkey



			Engineering, Yasar University, Turkey	
21	Dr. Ibrahim Zincir	Software Engineering, Evolutionary Computing, e-Learning	Department of Computer Engineering, Yasar University, Turkey	Turkey
22	Dr. Nalan Ozkurt	Electrical and Computer Engineering	Department of Computer Engineering, Yasar University, Turkey	Turkey
23	Dr. Murat Komesli	Software Engineering, Ontologies, Information Systems	Department of Software Engineering, Yasar University, Turkey	Turkey
24	Dr. Mustafa Secmen	Electrical and Computer Engineering	Department of Computer Engineering, Yasar University, Turkey	Turkey
25	Dr. Dursun Akaslan	Computer and Software Engineering, e-Learning	Department of Computer Engineering, Harran University, Turkey	Turkey
26	Dr. Ensar Gul	Computer Engineering	Department of Computer Engineering, Istanbul Sehir University, Turkey	Turkey
27	Dr. Cuneyt Guzelis	Circuits and Systems	Department of Electrical and Electronics Engineering, Yasar University, Turkey	Turkey
28	Dr. Mustafa Gunduzalp	Circuits and Systems	Department of Electrical and Electronics Engineering, Yaşar University	Turkey
29	Dr. Joaquim Jose Ferreira	Information Engineering	Institute de Telecomunicacoes, University of Aveiro	Portugal
30	Dr. Yasa Eksioglu Ozok	Power Systems, Energy and Enironmental Applications	Department of Electrical and Electronics Engineering, Istanbul Kemerburgaz University	Turkey



31	Dr. Marilyn Leask	e-Learning	Institute for Education Futures, De Monfort University, UK	UK
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Action by: Secretary FES-ES

Item 2.3. Pending cases of MS programs at the Department -- All Departments

Discussion

12. Chair FRC-ES suggested that HoDs should process the pending cases on file.

Decision

13. All HoDs shall process the pending cases on file.

Action by: All HoDs

Item 2.4. Revision of Interview Marks of MS programs

Discussion

14. Dr. Zafar, EES Department, IC, presented the breakdown for MS programs interview forms.

Academics	Test	Interview
40	30	30

Decision

15. PGP Directorate shall work on the interview forms considering the suggestions by the committee and shall update the form accordingly.

Action by: PGP Directorate



Fresh Agenda Items

Item 2.5. PhD Comprehensive Examination --- Ms. Safia Shabbir 01-284151-001 – CS Department, IC

Discussion

16. HoD CS, IC, presented the case of a PhD student, Ms. Safia Shabbir, 01-284151-001, working under the supervision of Dr. Imran Siddiqi, for PhD comprehensive examination.
17. The student has studied the following courses during her coursework.
 - a. Machine Learning (Dr. Muhammad Muzammal)
 - b. Information Retrieval Techniques (Dr. Arif ur Rehman)
 - c. Pattern Recognition (Dr. Imran Siddiqi)
 - d. Bio-Medical Image Analysis (Dr. Farhan Riaz - EME)
 - e. Computer Vision (Dr. Imran Siddiqi)

Decision

18. Following courses and examiners were approved for the comprehensive examination of Ms. Safia.
 - a. Machine Learning – Dr. Muhammad Muzammal
 - b. Information Retrieval Techniques – Dr. Arif ur Rehman)
 - c. Pattern Recognition – Dr. Imran Siddiqi
 - d. Computer Vision – Dr. Amina Jameel

Action by: HoD CS, IC

Item 2.6. PhD Comprehensive Examination --- Ms. Joddatt Fatima 01-284152-001 – CS Department, IC

Discussion

19. HoD CS, IC, presented the case of a PhD student, Ms. Joddatt Fatima, 01-284152-001, working under the supervision of Dr. Amina Jameel, for comprehensive examination.
20. The student has studied the following courses during her coursework.
 - a. Machine Learning (Dr. Muhammad Muzammal)
 - b. Advanced Digital Image Processing (Dr. Khurram Shehzad)
 - c. Pattern Recognition (Dr. Imran Siddiqi)
 - d. Bio-Medical Image Analysis (Dr. Farhan Riaz)



- e. Computer Vision (Dr. Imran Siddiqi)

Decision

21. Following courses and examiners were approved for the PhD comprehensive examination of Ms. Joddatt.

- a. Machine Learning – Dr. Muhammad Muzammal
- b. Bio-Medical Image Analysis -- Dr. Samabia Tehseen
- c. Pattern Recognition – Dr. Imran Siddiqi
- d. Computer Vision – Dr. Amina Jameel

Action by: HoD CS, IC

Item 2.7. PhD Comprehensive Examination --- Ms. Zainab Yousuf Zaidi 01-284152-002 – CS Department, IC

Discussion

22. HoD CS, IC, presented the case of a PhD student, Ms. Zainab Yousuf Zaidi, 01-284152-002, working under the supervision of Dr. Amina Jameel, for comprehensive examination.

23. The student has studied the following courses during her coursework.

- a. Machine Learning (Dr. Muhammad Muzammal)
- b. Advanced Digital Image Processing (Dr. Khurram Shehzad)
- c. Pattern Recognition (Dr. Imran Siddiqi)
- d. Bio-Medical Image Analysis (Dr. Farhan Riaz)
- e. Computer Vision (Dr. Imran Siddiqi)

Decision

24. Following courses and examiners were approved for the comprehensive examination of Ms. Zainab.

- a. Machine Learning – Dr. Muhammad Muzammal
- b. Bio-Medical Image Analysis -- Dr. Samabia Tehseen
- c. Pattern Recognition – Dr. Imran Siddiqi
- d. Computer Vision – Dr. Amina Jameel

Action by: HoD CS, IC

**Item 2.8. Appointment of Examiners for MS Thesis Defence – CS Department, IC****Discussion**

25. MS thesis students have submitted their thesis/intent to submit and were presented to DRC-CS by PGP-Coordinator CS for onward recommendation to the FRC-ES.

No.	Name Enrollment	Program	Thesis Title	Supervisor	Co-Supervisor
1	Furqan Shahid 01-243142-005	MS(CS)	Compressive Sensing based Satellite Image Fusion	Dr. Amina Jameel	--
2	Muhammad Sajeel 01-244151-053	MS(TN)	Traffic Adaptive Priority-based MAC protocol	Dr. Shagufta Henna	--
3	Iqra Khalid 01-244151-051	MS(TN)	Energy Efficient Postural Change Aware Routing Algorithm for Wireless Body Area Network	Dr. Shagufta Henna	--
4	Hamza Iqbal 01-244151-050	MS(TN)	Prevention of Beacons Collision in IEEE 802.15.6 under Co-existence	Dr. Faisal Bashir	--
5	Azhar Habib 01-243142-001	MS(CS)	Augmented Learning Aid using Text Detectable	Dr. M Muzammal	--
6	Babar Ali 01-243142-002	MS(CS)	Augmented Fore-Arm Structure Problems Diagnostic and Treatment	Dr. M Muzammal	--
7	Muhammad Hammad Ghori 01-243142-011	MS(CS)	Enhancing the Usability of Menus Using Augmented Reality	Dr. M Muzammal	--

Decision

26. The following panels were appointed for thesis evaluation.

No.	Name Enrollment	Program	Thesis Title	Internal Examiner	External Examiner
1	Furqan Shahid 01-243142-005	MS(CS)	Compressive Sensing based Satellite Image Fusion	Dr. Imran Siddiqi	Dr. Hammad Majeed (FAST)



2	Muhammad Sajeel 01-244151-053	MS(TN)	Traffic Adaptive Priority-based MAC protocol	Dr. Shagufta Henna	Dr. Muazzam A. Khattak (NUST)
3	Iqra Khalid 01-244151-051	MS(TN)	Energy Ecient Postural Change Aware Routing Algorithm for Wireless Body Area Network	Dr. Muneeb Gohar	Dr. Rizwan Ahmed (NUST)
4	Hamza Iqbal 01-244151-050	MS(TN)	Prevention of Beacons Collission in IEEE 802.15.6 under Co-existence	Dr. Faisal Bashir	Dr. Imran Shafi (AU)
5	Azhar Habib 01-243142-001	MS(CS)	Augmented Learning Aid using Text Detectable	Dr. Imran Siddiqi	Dr. Zahoor Jan (ICU)
6	Babar Ali 01-243142-002	MS(CS)	Augmented Forearm Structure Problems Diagnostic and Treatment	Dr. Arif ur Rehman	Dr. Sajid Anwar (IMSciences)
7	Muhammad hammad Ghori 01-243142-011	MS(CS)	Enhancing the Usability of Menus Using Augmented Reality	Dr. Asfand e Yar	Dr. Nazir Malik (PN)

Action by: HoD CS, IC

Item 2.9. Appointment of Examiners for MS Thesis Defence – EE Department, IC

Discussion

27. MS thesis students have submitted their thesis and were presented to DRC-EE by PGP-Coordinator EE for onward recommendation to the FRC-ES.

No.	Name Enrollment	Program	Thesis Title	Supervisor	Co-Supervisor
1	Hammad Aslam 01-244142-039	MS(EE)	Economic dispatch using hybrid of differential evolution and water cycle algorithm	Engr. Saqib Haroom	Dr. Imtiaz Alam

Decision

28. The following panel was appointed for thesis evaluation.



No.	Name Enrollment	Program	Thesis Title	Internal Examiner	External Examiner
1	Hammad Aslam 01-244142-039	MS(EE)	Economic dispatch using hybrid of differential evolution and water cycle algorithm	Dr. Amir Ali	Dr. Shahid Mehmood Khan

Action by: HoD EE, IC

Item 2.10. Transfer of Credits for MS(EE) Student Mr. Mohsin Mumtaz, 01-244162-022 – EE Department, IC

Discussion

29. HoD EE, IC, presented the case of an MS student Mr. Mohsin Mumtaz, 01-244162-022, for credit transfer.
30. Mr. Mohsin left the MS(EE) program without completing the degree requirements at COMSATS Islamabad, with a CGPA of 3.28 out of 4.

Decision

31. The following courses were approved for credit transfer.

Department of EE, COMSATS Islamabad				Department of EE, Bahria University, Islamabad Campus			
Course Name	Course Number	Credit Hours	Grade	Equivalent Name	Course Number	Course Number	Credit Hours
Advanced Power Electronics	EPE-630	3	3.3	Advanced Power Electronics	EPE-712		3
Solar Power Generation	EPE-665	3	3.3	Solar Power Generation	EPE-516		3

Action by: HoD EE, IC



Item 2.11. Appointment of Examiners for MS Thesis Defence – SE Department, IC

Discussion

32. MS thesis students have submitted their theses and were presented to DRC-SE by PGP-Coordinator SE for onward submission to the FRC-ES.

No.	Name Enrollment	Program	Thesis Title	Supervisor	Co-Supervisor
1	Atika Tabassum 01-244151-031	MS(SE)	Quality Metrics Model for Agile Software Development: Extreme Programming (XP) as a Case Scenario	Dr Shahid Nazir Bhatti	--
2	Aneesa Rida Asghar 01-244151-030	MS(SE)	Requirement Prioritization in Agile Software Development	Dr Shahid Nazir Bhatti	--
3	Nazia Khalid 01-244151-042	MS(SE)	Test Case Prioritization Using Quality Attributes	Dr Awais Majeed	Dr Tamim A Khan
4	Maryam Mehmood 01-244151-037	MS(SE)	Challenges of Mobile Application Testing in Small Scale Software Industry of Pakistan	Dr Tamim A Khan	--
5	Muhammad Raees 01-244151-040	MS(SE)	Study of Long Distance Mass Transit Vehicular Modelling Using Agent Based Modelling (ABM)	Dr Tamim A Khan	--
6	Afzal Ahmed 01-244151-029	MS(SE)	Agent Based Modeling (ABM) for Brand Management using Pattern Mining	Dr Tamim A Khan	--
7	Mamoon ur Rashid 01-244142-010	MS(SE)	Service Selection based on Reputation using Statistical Measures	Dr Awais Majeed	--

**Decision**

33. The following panels were appointed for thesis evaluation.

No.	Name Enrollment	Program	Thesis Title	Internal Examiner	External Examiner
1	Atika Tabassum 01-244151-031	MS(SE)	Quality Metrics Model for Agile Software Development: Extreme Programming (XP) as a Case Scenario	Dr Tamim A Khan	Dr. Asim Noor
2	Aneesa Rida Asghar 01-244151-030	MS(SE)	Requirement Prioritization in Agile Software Development	Dr Awais Majeed	Dr Irum Inayat
3	Nazia Khalid 01-244151-042	MS(SE)	Test Case prioritization Using Quality Attributes	Dr Shahid Nazir Bhatti	Dr Mudassar Azam Sindhu
4	Maryam Mehmood 01-244151-037	MS(SE)	Challenges of Mobile application Testing in Small Scale Software Industry of Pakistan	Dr. Raja Suleman	Dr. Muhammad Imran Babar
5	Muhammad Raees 01-244151-040	MS(SE)	Study of Long Distance Mass Transit Vehicular Modelling Using Agent Based Modelling (ABM)	Dr Awais Majeed	Dr Muaz A Niazi
6	Afzal Ahmed 01-244151-029	MS(SE)	Agent Based Modeling (ABM) for Brand Management using Pattern Mining	Dr Abdul Baseer Qazi	Dr Muaz A Niazi
7	Mamoon ur Rashid 01-244142-010	MS(SE)	Service Selection based on Reputation using Statistical Measures	Dr Sohaib	Dr Mudassar Azam Sindhu

Action by: HoD SE, IC

Item 2.12. PhD Proposal Defence – SE Department, IC**Discussion**

34. HoD SE, IC, presented the case of three PhD Students who have passed the comprehensive examination and have submitted PhD Thesis proposals for defence.



- a. Ikram ul Haq, 01-281142-002
- b. Khurram Mustafa Abbassi, 01-281152-002
- c. Sadia Ashraf, 01-281152-005

Decision

35. The following panels were appointed for PhD Proposal Defence.

SNo	Name	Title	Internal Examiner	External Examiner
1	Ikram ul Haq 01-281142-002	Secure Model-based Penetration Framework for Android Native Applications	Dr. Waqas Amin	1. Dr. Mureed Hussain 2. Dr. Malik Ahmad Kamran
2	Khurram Mustafa Abbassi 01-281152-002	Agent-based Model for Integration of Service Oriented Internet of Things	Dr Awais Majeed	1. Dr Muaz A Niazi 2. Dr. Irfan ul Haq
3	Sadia Ashraf 01-281152-005	Conceptual Framework for Mapping of Learning Theories with e-Learning Theories to Improve Learning Process through e-Learning Systems at Early Education	Dr. Raja Suleman	1. Professor Nabi Buksh Jumani 2. Dr Khalid Saleem

Action by: HoD SE, IC



Closing Remarks

36. Chair FRC-ES summarised the key decisions taken and thanked the members/participants for contributing to the FRC-ES meeting.

March 17, 2017

Prof. Dr. M. Najam-ul-Islam

Chair FRC-ES, Dean FES