



University of Kashmir, Srinagar

Minutes of the meeting of Board of Research Studies in Applied Sciences and Technology held on 08-12-2022 & 09-12-2022 at 02:00 P.M. & 10.00 A. M in the Committee Room of the Administration Block.

Present:

01. *Prof. Nilofer Khan* (Chairperson)
Vice-Chancellor
02. *Prof. F.A. Masoodi*
Dean Academic Affairs
03. *Prof. Irshad A. Nawchoo*
Dean Research
04. *Prof. Nahida Tabassum*
Dean, School of Applied Sciences & Technology
05. *Dr. Nisar Ahmad Mir, Registrar*
06. *Head, Deptt. of Food Science & Technology*
07. *Director, Institute of Home Science*
08. *Head, Deptt. of Pharmaceutical Sciences*
09. *Head, Deptt. of Computer Sciences*
10. *Head, Deptt. of Electronics & Instrumentation Technology*

Assistant Registrar Research (Research) was also present.

At the outset, the Dean Research welcomed the Chairman and members of the meeting. The Hon'ble Vice-Chancellor was requested by the Dean Research for her introductory remarks. The Vice-Chancellor desired that the faculty may generate resources through extramurally funded projects and efforts should be made to pursue such research themes that have direct relevance to the society. She also desired that the topics of research to be assigned to the scholars should be discussed thoroughly in pre-BORS meetings and inputs from the experts in the area of research should be sought in whatever manner possible and the course work examination should be conducted on time.

After the remarks of the Hon'ble Vice-Chancellor agenda items were taken up for discussion.

Item

No.01 Perused the action taken report on the minutes of the last meeting of the BORS in Applied Sciences and Technology held on 01-09-2021.

Resolved that the action taken report on the minutes of the last meeting of BORS in Applied Sciences & Technology held on 01-09-2021, be placed on records.

Item

No. 02 Confirmation of the minutes of the BORS meeting held on 01-09-2021 in Applied Sciences and Technology (already circulated).

Resolved that the minutes of the last meeting of the BORS in Applied Sciences and Technology held on 01-09-2021, be confirmed.

Item

No. 03 Ratification of the action taken by the Vice-Chancellor in having granted recognition to Dr. Asima Jan, INSPIRE Fellow, to act as Co-supervisor to guide Ph. D scholars in the Food Science & Technology.

Resolved that the action taken by the Vice-Chancellor in having granted recognition to Dr. Asima Jan, INSPIRE Fellow, to act as Co-supervisor to guide Ph. D scholars in the Food Science & Technology, be ratified.

Item

No. 04 Considered the request of three doctors for grant of recognition to act as co-guides in the discipline of Home Science.

Resolved that following three doctors be recognized as co-supervisors in the discipline of Home Science:-

<i>S. No</i>	<i>Name of the Doctors</i>
01.	Dr. Younis Kamal Assistant Professor Deptt. of Orthopedics and Spine Surgery
02.	Dr. Faisal Guru Assistant Professor Deptt. of Oncology, SKIMS
03.	Dr. Shaheena Parveen Assistant Professor Gastroenterology, SKIMS

Item

No. 05 Considered the request of two (2) Assistant Professors Dr. Hilal Ahmad Punoo and Dr. Gazala Nisar for grant of recognition to act as supervisors to supervise the Ph.D researchers in the disciplines of Food Science & Technology and Home Science respectively.

Resolved that the request of Dr. Hilal Ahmad Punoo and Dr. Gazala Nisar for grant of recognition to act as supervisors to supervise the Ph.D researchers in the disciplines of Food Science & Technology and Home Science respectively, be granted.

Item

No.06 Considered the request of Co-ordinator, Institute of Home Science with regard to allow the candidate namely Ms. Uzma Amin, Ph.D scholar Deptt. of Home Science to submit thesis beyond the statutory period.

Resolved that Ms. Uzma Amin, Ph.D scholar Deptt. of Home Science be allowed to submit Ph.D thesis within six months from the issuance of minutes of BORS meeting.

Item

No.07 Considered the synopses for grant of registration in favour of the candidates listed in annexure A-E for pursuit of Ph. D/Integrated Ph. D programme on whole-time/part-time basis, as detailed in the respective annexures:-

- | | | |
|-------------------------|---|-----------------|
| A. Computer Science | B. Pharmaceutical Sciences | C. Home Science |
| D. Food Science & Tech. | E. Electronics Instrumentation Technology | & |

Resolved that subject to fulfillment of statutory requirements and conditions (if any) in the remarks column shown against each candidates listed in annexures “A” to “E” be registered for pursuit of Ph.D/Integrated Ph. D programme on whole-time/part-time basis. The meeting terminated with a vote of thanks to the Chair.



UNIVERSITY OF KASHMIR, SRINAGAR
OFFICE OF THE DEAN RESEARCH

No: F (BORS-App Scs & Tech) KU/23

Dated: July , 2023

- Copy of the approved minutes alongwith statement of particulars of the candidates forwarded to the Dean School of Applied Sciences and Technology for necessary action.

Assistant Registrar
(Research)

Annexure-A**Discipline: Computer Sciences**

<i>S.No</i>	<i>Name of the Scholar</i>	<i>Name of the Supervisor</i>	<i>Proposed Topic of Research</i>	<i>Approved Topic of Research</i>	<i>Remarks</i>
01.	Tabassum Gull Jan I.Ph.D Whole-time Reg. No.26392-PC-2012	Dr. Sajad Mohammad Khan Scientist B Dr. Sajid Yousuf Bhat Assistant Professor (Co-Supervisor)	Design and Development of an Efficient Screening and Evaluation Platform for Early Detection of Dyslexia Using Machine Learning	Design and Development of an Efficient Screening and Evaluation Platform for Early Detection of Dyslexia Using Machine Learning	
02.	Talib Iqball I.Ph.D Whole-time Re. No.70753-ANG-2012	Prof. M. Arif Wani	Development of Efficient Deep Learning model for Classification of Lung Diseases using X-Ray images	Development of Efficient Deep Learning model for Classification of Lung Diseases using X-Ray images	
03.	Aamir Salam Ahanger NET I.Ph.D Whole-time Reg. No.42974-S-2009	Dr. Sajad Mohammad Khan Scientist. B Dr. Faheem Syeed Masoodi (Co-Supervisor)	Design of an Efficient Multi-Stage Graph Based Intrusion Detection System for the Internet of Things	Design of an Efficient Multi-Stage Graph Based Intrusion Detection System for the Internet of Things	Revival of registration required from the Registration Section.

04.	Aaquib Hussain Ganai I.Ph.D Whole-time Reg. No.63397-ANG-2010	Dr. Rana Hashmy Scientist-C	Development of a New Cascading Model for Information Diffusion in Online Social Networks Using Information Dissemination Trees	Development of a New Cascading Model for Information Diffusion in Online Social Networks Using Information Dissemination Trees	
05.	Huma Farooq I.Ph.D Whole-time Reg. No.1468-SME-2010	Dr.Manzoor Ahmad Chachoo Scientist-D Dr.Sajid Yousuf Bhat Assistant Professor (Co-Supervisor)	Design and Development of an Efficient Deep Learning-Based Model for Depth Estimation from Monocular Images	Design and Development of an Efficient Deep Learning-Based Model for Depth Estimation from Monocular Images	
06.	Nowsheen Mearaj I.Ph.D Whole-time Reg.No.54622-W-2009	Prof. M. Arif Wani	Development of Efficient Deep Learning Based Intrusion Detection System For Zero Day Attacks	Development of Efficient Deep Learning Based Intrusion Detection System For Zero Day Attacks	

07.	Hufsa Manzoor I.Ph.D Whole-time Reg.No.62638-W-2012	Prof.M. Arif Wani	Development of Efficient Deep Neural Network Based Linear B-Cell Epitope Predictor	Development of Efficient Deep Neural Network Based Linear B-Cell Epitope Predictor	
08.	Aabidah Nazir I.Ph.D Whole-time Reg.No.58170-W-2010	Prof.M. Arif Wani	Development of Efficient Object Detection Model based on Deep Learning	Development of Efficient Object Detection Model based on Deep Learning	
09.	Nahida Shafi I.Ph.D Whole-time Reg.No:59850-W-2011	Dr.Manzoor Ahmad Chachoo Scientist –D	Design and Development of an Efficient Bidirectional Encoder Representations using Transformers based framework for Joint intent Recognition and Slot filling	Design and Development of an Efficient Bidirectional Encoder Representations using Transformers based framework for Joint intent Recognition and Slot filling	

10.	Mohmad Azhar I.Ph.D Whole Time NET Reg.No:30379-SP-2009	Dr.Manzoor Ahmad Chachoo Scientist –D	Design and Development of an Efficient Deep learning framework for personality analysis	Design and Development of an Efficient Deep learning framework for personality analysis	
11.	Waris Hamid Bhat I.Ph.D Whole-time Reg.No:	Dr. Javaid Iqbal Assistant Professor .	Development of a New Reliability Growth Model for Open Source Software	Development of a New Reliability Growth Model for Open Source Software	Registration number required from Registration Section.
12.	Shahnawaz Qadir SET I.Ph.D Part-time Reg.No:40303-S-2005	Dr. Rana Hashmy Assistant Professor	Enhancing security in Internet of Things enabled systems through Hyperledger Fabric Blockchain	Enhancing security in Internet of Things enabled systems through Hyperledger Fabric Blockchain	Amend the objectives in light of topic.

13.	Younis Ali NET I.Ph.D Whole-time Reg.No:21386-PC-2010	Prof.M. Arif Wani	Increasing Robustness Against Adversarial Attacks In Deep Learning Models	Increasing Robustness Against Adversarial Attacks In Deep Learning Models	
14.	Kh. Mohmad Shafi NET I.Ph.D Part-time Reg.No:16463-SJ-2004	Dr. Javaid Iqbal Assistant Professor	Design of an efficient deep learning based text-to-speech synthesiser for the Kashmiri language	Design of an efficient deep learning based text-to-speech synthesiser for the Kashmiri language	

<i>S.No.</i>	<i>Name of the Scholar</i>	<i>Name of the Supervisor</i>	<i>Proposed Topic of Research</i>	<i>Approved Topic of Research</i>	<i>Remarks</i>
01.	Lateef Ahmad Dar I.Ph.D Whole-time Reg.No:86-BPH-2011	Dr. Sabeeha Shafi Professor Dr. Syed Mudasir Andrabi Division of Animal Biotechnology, Shuhama, Sgr (Co-Supervisor)	Fabrication of Biomaterial Loaded with Mesenchymal Stem Cell Exosomes for Wound Healing and Tissue Regeneration	Fabrication of Biomaterial Loaded with Mesenchymal Stem Cell Exosomes for Wound Healing and Tissue Regeneration	
02.	Tabasum Ali I.Ph.D Whole-time Reg.No:22313-AW-2009	Dr. G.N Bader Assistant Professor Dr. Khursheed Iqbal Andrabi (Co-Supervisor)	Potential of Carvacrol and Farnesol to modulate cancer signaling through mTORC1 pathway	Potential of Farnesol to modulate cancer signaling through mTORC1 pathway	Topic modified.
03.	Ifat Jan I.Ph.D Whole-time Reg.No:24254-AW-2011	Dr. G.N Bader Assistant Professor Dr. Khursheed Iqbal Andrabi (Co-Supervisor)	Evaluation of piperine as potential modulator of AMPK/mTORC1 axis: Implications in cancer genesis	Evaluation of piperine as potential modulator of AMPK/mTORC1 axis: Implications in cancer genesis	

04.	Nasir Nisar I.Ph.D Whole-time Reg.No:72-BPH-2010	Prof.(Dr.) Nahida Tabassum	Evaluation of Apigenin and α -mangostin for their chemosensitizing potential in esophageal squamous cell carcinoma (ESCC)	Evaluation of Hepatoprotective Potential of <i>Salvia Sclarea</i> and <i>Rumexnepalensis</i> Against Hepatocellular Damage Induced in Experimental Animals	Topic modified.
05.	Insha Qadir I.Ph.D Whole-time Reg.No:61490-W-2012	Dr. Mubashir Hussain Masoodi Professor	Isolation and Antiinflammatory Activity of Bioactive Compounds from <i>Melissa officinalis</i> and <i>Ziziphus mauritiana</i>	Isolation and Anti-inflammatory Activity of Bioactive Compounds from <i>Melissa officinalis</i> and <i>Ziziphusmauritiana</i>	Topic modified.
06.	Aneeqa Rafiq I.Ph.D Whole-time Reg.No.28347-IC-2010	Dr. Mubashir Hussain Masoodi Professor	Design and Synthesis of novel artemisinin derivatives with potentially improved anticancer properties	Design and Synthesis of novel artemisinin derivatives with potentially improved anticancer properties	

07.	Saba Sabreen I.Ph.D Whole-time Reg.No:24776-IC-2009	Dr. Mubashir Hussain Masoodi Professor Prof.(Dr.) Nahida Tabassum (Co-supervisor)	Bioactivity Guided Isolation and Anti-atherosclerotic studies on Rosmarinus officinalis and Eriobotrya japonica	Bioactivity Guided Isolation and Anti- atherosclerotic studies on Rosmarinus officinalis and Eriobotrya japonica	
08.	Suhail Ahmad Mir I.Ph.D Whole-time Reg.No:84-BPH-2011	Dr. G.N Bader Assistant Professor Dr. Mohd Ashraf Dar (Scientist-D/ Ramalingaswami Fellow) (Co-supervisor)	Evaluation of Naringenin as a potential modulator of apoptosis and autophagy and its consequences on mTORC1 dependent growth in Cancer	Evaluation of Naringenin as a potential modulator of apoptosis and autophagy and its consequences on mTORC1 dependent growth in Cancer	
09.	Samreen I-Ph.D Whole-time Reg.No.59856-W-2011	Prof. Nahida Tabassum	Evaluation of <i>Dipsacus inermis</i> Wall. and <i>Salvia moorcroftiana</i> Wall. on Oxidative Stress and Over Expression of TNF- α in Streptozotocin-nicotinamide Induced Diabetic Nephropathy in Rats	Evaluation of <i>Dipsacus inermis</i> Wall. and <i>Salvia moorcroftiana</i> Wall. on Oxidative Stress and Over Expression of TNF- α in Streptozotocin-nicotinamide Induced Diabetic Nephropathy in Rats	

10.	<p>Insha Mushtaq Shah I-Ph.D Whole-time Reg.No 8150-BW-2010</p>	<p>Prof. Mohammad Ishaq Geer</p> <p>Prof. Mohammad Ashraf Ganie SKIMS, Sgr</p> <p>Prof. Ravouf P. Asimi (Co-supervisor)</p>	<p>Association of Proton Pump Inhibitors, H2 Receptor Blockers and Vitamin B12 Deficiency with Diabetic Neuropathy-A Hospital based Study</p>	<p>Association of Proton Pump Inhibitors, H2 Receptor Blockers and Vitamin B12 Deficiency with Diabetic Neuropathy-A Hospital based Study</p>	
11.	<p>Shafia Bashir I-Ph.D Whole-time Reg. No.57847-W-2010</p>	<p>Prof. Mohammad Ishaq Geer</p> <p>Prof. Mohammad Ashraf Ganie SKIMS, Sgr</p>	<p>Clinical Evaluation of the Role of Proton Pump Inhibitors, H2 Receptor Blockers and Vitamin D Deficiency in Onset and Progression of Diabetic Nephropathy</p>	<p>Clinical Evaluation of the Role of Proton Pump Inhibitors, H2 Receptor Blockers and Vitamin D Deficiency in Onset and Progression of Diabetic Nephropathy</p>	

Annexure-C**Discipline: Institute of Home Science**

<i>S.No.</i>	<i>Name of the Scholar</i>	<i>Name of the Supervisor</i>	<i>Proposed topic of Research</i>	<i>Approved topic of Research</i>	<i>Remarks</i>
01.	Rakia Koul Ph.D Whole-time Reg.No:63760-W-2013	Dr. Naila Irshad Assistant Professor Dr. Faisal Guru Assistant Professor Oncology SKIMS Soura (Co-Supervisor)	Body Composition and Nutritional Status of Pediatric Cancer Patients in Kashmir during the first six months of treatment	Body Composition and Nutritional Status of Pediatric Cancer Patients in Kashmir during the first six months of treatment	
02.	Afshana Gull I.Ph.D SET Whole-time Reg.No:24784-AW-2011	Dr. Naila Irshad Assistant Professor	Health and nutritional status of Preschool children with specific reference to Hanji population of Dal Lake	Health and Nutritional Status of Preschool Children with Specific reference to Hanji Population of Dal Lake	
03.	Danishta Mohi u Din I.Ph.D Whole-time Reg.No:63752-W-2013	Dr. Naila Irshad Assistant Professor	Effects of Peri-Operative Nutritional Status on Post-Operative Morbidity in Major Orthopaedic Surgeries in Kashmir	Effects of Peri-operative Nutritional Status on Post-Surgical Convalescence in Major Orthopedic Surgeries in Kashmir	

04.	Hibatul Parven I.Ph.D Whole-time Reg.No:60742-W-2011	Dr. Muzamil Jan Assistant Professor	Prevalence and Psychosocial Influence of Street Harassment on Women in Kashmir	Prevalence and Psychosocial Influence of Street Harassment on Women in Kashmir	
05.	Saniya Fathma I.Ph.D Whole-time Reg.No:61083-W-2012	Dr. Hummera Azim Assistant Professor	Impact of Covid-19 On The Education System Of Kashmir Valley With Special Reference To School Going Children (12-16 Years)	Impact of Covid-19 Lockdown on The Education System Of Kashmir Valley With Special Reference To School Going Children (12-16 Years)	Topic modified.
06.	Saima Jan I.Ph.D Whole-time Reg.No:52514-W-2008	Dr. Shafia Nazir Associate Professor	Implementing ICT in Education Opportunities and Challenges at Higher Secondary Institutions of Kashmir	Assessment of use of ICT at Higher Secondary Institutions in Kashmir	Topic modified.
07.	Umhani Maqbool I.Ph.D Whole-time Reg.No:61088-W-2012	Dr. Muzamil Jan Assistant Professor	Performance Analysis and Occupational stress faced by Fisherwomen in Kashmir	Performance Analysis and Impact of Fisher Women in Kashmir Valley	Topic modified.

<i>S.No.</i>	<i>Name of the Scholar</i>	<i>Name of the Supervisor</i>	<i>Proposed topic of Research</i>	<i>Approved topic of Research</i>	<i>Remarks</i>
01.	Danish Rizwan GATE I.Ph.D Whole-time Reg.No.151-PHD-2020	Prof. F.A Masoodi	Change in Glucosinolates during Fermentation of Himalayan Cruciferous Vegetables and Study of Nutraceutical Potential of their Hydrolysis Products	Change in Glucosinolates during Fermentation of Himalayan Cruciferous Vegetables and Study of Nutraceutical Potential of their Hydrolysis Products	
02.	Mohammad Masarat Hussain Dar I.Ph.D Part-time Reg.No.84-BPH-2011	Dr.Adil Gani Assistant Professor Dr. Hilal Ahmad Punoo Assistant Professor (Co-Supervisor)	Screening & quantification of antibiotic residues in different animals based foods by liquid chromatography	Screening & quantification of antibiotic residues in different animals based foods by liquid chromatography	
03.	Zanoor-ul-Ashraf I.Ph.D Whole-time Reg.No:30331-IC-2011	Dr. Adil Gani Assistant Professor Dr. Asima Jan Inspire Faculty (Co-Supervisor)	Exploitation of encrypted bioactive peptides from pulses using bioassay guided isolation approach for combating some life style diseases	Exploitation of encrypted bioactive peptides from pulses using bioassay guided isolation approach for combating some life style diseases	

04.	Munazah Sidiq Wani I.Ph.D Whole-time Reg.No: 32214-IC-2012	Dr. Sabeera Muzaffar Assistant Professor Prof. F.A Masoodi (Co-Supervisor)	Development of nano coating and packaging film and its effect on quality of walnut kernels	Development of nano coating and packaging film and its effect on quality of walnut kernels	
05.	Haseeba Muzaffar I.Ph.D Whole-time Reg.No:152-PHD-2021	Dr. Idrees Ahmad Wani Assistant Professor Dr. Hilal Ahmad Punoo Assistant Professor (Co-Supervisor)	Development of Functional Foods to Manage Type II Diabetes Using Local Pulses and Cereals	Development of Functional Foods to Manage Type II Diabetes Using Local Pulses and Cereals	
06.	Yasir Reyaz Shah I.Ph.D whole-time Reg.No:158-PHD-2021	Dr. Adil Gani Assistant Professor Dr. Ehtishamul Haq Professor Deptt. of Biotechnology (Co-Supervisor)	Characterization and Nanoencapsulation for Targeted Delivery of Bioactive peptides from Seed protein Isolates	Characterization and Nanoencapsulation for Targeted Delivery of Bioactive peptides from Seed protein Isolates	Co-supervisor changed on the recommendations of Head of the Deptt.

<i>S.No.</i>	<i>Name of the Scholar</i>	<i>Name of the Supervisor</i>	<i>Proposed Topic of Research</i>	<i>Approved topic of Research</i>	<i>Remarks</i>
01.	Mudasir Ahmad Khanday I.Ph.D Whole-time Reg No.1420-PGD-2017	Dr. Farooq Ahmad Khanday Assistant Professor	Design of Energy-Efficient Neuron Devices and Circuits for Spiking Neural Networks	Design of Energy-Efficient Neuron Devices and Circuits for Spiking Neural Networks	
02.	Samrah Mehraj NET I.Ph.D Whole-time Reg No.1396-PGD-2016	Dr. Shabir Ahmad Parah Assistant Professor Dr. G.J Qureshi Principal, GDC Pattan (Co-supervisor)	Development of Efficient compressed Domain Data Embedding Algorithms for Ownership Verification of Images	Development of Efficient Compressed Domain Data Embedding Algorithms for Ownership Verification of Images	
03.	Subreena NET I.Ph.D Whole-time Reg No.45970-S-2012	Dr. Shabir Ahmad Parah Assistant Professor Dr.M.Rafiq Beigh Assistant Professor GDC Sumbal (Co-Supervisor)	Design and Implementation of Robust Audio Water marking Algorithms employing Data Driven Techniques	Design and Implementation of Robust Audio Watermarking Algorithms employing Data Driven Techniques	

04.	Mir Nazish I.Ph.D Whole-time Reg.No.161-BTCH-2011	Dr.M.Tariq Banday Associate Professor Dr.M.Rafiq Beigh Assistant Professor GDC Sumbal (Co-Supervisor)	Design of Efficient Lightweight Symmetric Encryption Algorithms for the Internet of Things	Design of Efficient Lightweight Symmetric Encryption Algorithms for the Internet of Things	
05.	Insha Showkat I.Ph.D Whole-time Reg.No.	Dr.Farooq Ahmad Khanday Assistant Professor Dr. M. Rafiq Beigh Assistant Professor GDC Sumbal (Co-Supervisor)	Design of Portable Multi-Site Bio- Impedance Measurement Device	Design of Portable Multi-Site Bio-Impedance Measurement Device	Registration number required from Registration Section.
06.	Sameena Shah I.Ph.D Whole-time Reg.No.	Dr.Farooq Ahmad Khanday Assistant Professor Dr. Bilal Ahmad Malik Scientific Officer E&C Engineering Zakura Campus.	Design and Optimization of Ferroelectric Device as a Spiking Neuron for Image Classification	Design and Optimization of Ferroelectric Device as a Spiking Neuron for Image Classification	Registration number to be checked.