



University of Kashmir, Srinagar

Minutes of the meeting of Board of Research Studies (BORS) in Physical & Mathematical Sciences held on 29-06-2019 at 10:30 A.M. in the Committee Room of the Administration Block.

Present

1. Prof. Talat Ahmad (In the Chair)
Vice-Chancellor
2. Prof. Zafar A. Reshi
Dean, Research
3. Prof. Shariefuddin Pirzada
Dean, School of Physical & Mathematical Sciences
4. Head, Deptt. of Chemistry
5. Head, Department of Statistics;
6. Head, Department of Mathematics;
7. Head, Department of Physics
8. Registrar

The Assistant Registrar, (Research) was also present.

Hon'ble Vice-Chancellor in his introductory thanked all the members for their unstinted efforts in ensuring a successful visit of the Peer Team of National Assessment and Accreditation Council (NAAC) that resulted in reaccreditation of the University as a Grade A⁺ University by the NAAC, Bangaluru. The Vice Chancellor impressed upon the members to further raise the standards of research in the School and undertake quality research in emerging areas in collaboration with researchers in Centres of Excellence both within the country and aboard. The Vice-Chancellor further desired that:

1. 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.
2. Regular review of work carried out by the scholars during the research degree programme should be undertaken by the Research Progress Assessment Committee (RPAC) in accordance with the provisions of the statutes.
3. Also it was emphasized that the course work examination should be conducted on time and dates for the purpose should be notified by the Deans of the Schools well in advance. Marks sheets giving details of the marks obtained in the three course work papers should be issued to the scholars for which modalities be worked out.

In his remarks Dean Research invited the attention of the members toward the following points:

1. Attention needs to be paid to some key indicators, such as patent filing and award, innovations, corporate funding for trainings, funding from non-government sources under the Criteria III (Research, Innovation and Extension) of Assessment and Accreditation and further progress/improvement in respect of other key indicators in which the University had a stellar performance during the recently concluded 3rd cycle of assessment by the National Assessment and Accreditation Council (NAAC), Bangaluru.

2. Boards of Research Studies should come up with well thought out programmes and policies for promotion of research and innovation in the University which could then be discussed and deliberated upon in the Research Council and other competent bodies of the University.
3. Progress of work of the scholars admitted to research degree programmes be regularly and effectively monitored for better outcomes.

Subsequently agenda was taken up for discussion.

Item

No.1 Perusal of the action taken report of the last meeting of the Board of Research Studies in Physical and Material Sciences held on 30-08-2017, pertaining to the matters relating to the Deptts. falling under School of Physical & Mathematical Sciences.

Resolved that the action taken report on the minutes of the last meeting of BORS in Physical and Material Sciences held on **30-08-2017** pertaining to the matters relating to the Deptts. falling under School of Physical & Mathematical Sciences, **be perused.**

Item

No. 2 Confirmation of minutes of the last meeting of the Board of Research Studies in Physical and Material Sciences held on 30-08-2017, pertaining to the matters relating to the Deptts. falling under School of Physical & Mathematical Sciences (already circulated).

Resolved that the minutes of the last meeting of the Board of Research Studies in Physical and Material Sciences held on 30-08-2017, pertaining to the matters relating to the Deptts. falling under School of Physical & Mathematical Sciences **be confirmed.**

Item

No. 3 Consideration of the request of Dr. Suhail Gulzar Matoo, Assistant Professor, Deptt. of Mathematics, Govt. Degree College Anantnag for grant of recognition as co-guide to supervise M.Phil./Ph.D scholars in Mathematics.

Resolved that Dr. Suhail Gulzar Matoo, Assistant Professor, Deptt. of Mathematics, Govt. Degree College Anantnag, be recognized as co-supervisor in the discipline of Mathematics.

Item

No. 4 Consideration of the request of Dr. Noor ud Din Zargar, Assistant Professor, Govt. Degree College Sopore and Dr. Tanveer Rasool, Assistant Professor, NIT, Sgr for grant of recognition as co-guide to supervise M.Phil./Ph.D scholars in the discipline of Chemistry.

Resolved that M/S Dr. Noor ud Din Zargar, Assistant Professor, Govt. Degree College Sopore and Dr. Tanveer Rasool, Assistant Professor, NIT, Sgr be recognized as co-supervisors in the discipline of Chemistry **subject to the condition that they produce confirmation orders as Assistant Professors from the parent Departments.**

Item

No.05 Ratification of the action taken by the Vice-Chancellor in having authorized fresh registration in favour of Ph.D scholar, Mr. Raja Nisar Ali in the discipline of Physics.

Resolved that the action taken by the Vice-Chancellor in having authorized fresh registration in favour of Ph.D scholar, Mr. Raja Nisar Ali in the discipline of Physics, **be ratified.**

Item

No.06 Consideration of the grant of registration in favour of the candidates listed in Annexure A to D for pursuit of Ph.D/I-Ph.D programme on whole-time/part-time basis as detailed in the respective annexures to the main agenda against each candidate, in the following disciplines of the School of Physical & Mathematical Sciences:

A. Statistics B. Mathematics C. Chemistry D Physics

Resolved that the candidates enlisted in annexures A to D of the Departments falling in the School of Physical & Mathematical Sciences be registered for pursuit of Ph.D/I-Ph. D programmes on whole-time/part-time basis subject to the fulfillment of conditions (if any) indicated against each in the remarks column of the respective annexure.

Table items 01-03

Table

items: To consider recognition of Assistant Professors (details given below) as co-supervisors in the disciplines of Chemistry and Mathematics:

<i>S No</i>	<i>Name</i>	<i>College</i>	<i>Discipline</i>
01.	Dr. Nighat Nazir Assistant Professor	Islamic College of Science and Commerce, Srinagar.	Chemistry
02.	Dr. Tabasum Ismail Assistant Professor	S.P College, Srinagar.	Chemistry
03.	Dr. Masood Ayoub Kaloo Assistant Professor	Govt. Degree College Shopian	Chemistry
04.	Dr. Mushtaq Ahmad Bhat Assistant Professor	Govt. Degree College Budgam	Mathematics

Resolved that above teachers be recognized as co-supervisors in the disciplines of Chemistry and Mathematics **subject to the condition that they produce confirmation orders as Assistant Professors from the parent Deptt.**

Meetings concluded with thanks to the chair.

Approved.

Sd/-
Vice-Chancellor

Sd/-
Dean Research



UNIVERSITY OF KASHMIR, SRINAGAR
OFFICE OF THE DEAN RESEARCH

No: F (BORS-Phy & Mathematical Scs)KU/19
Dated: November 30, 2019

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

Assistant Registrar
(Research)

Item

No.06 Consideration of the grant of registration in favour of the candidates listed in Annexure A to D for pursuit of Ph.D/I-Ph.D programme on whole-time/part-time basis as detailed in the respective annexures to the main agenda against each candidate, in the following disciplines of the School of Physical & Mathematical Sciences:

A. Statistics B. Mathematics C. Chemistry D Physics

Resolved that the candidates enlisted in annexures A to D of the Departments falling in the School of Physical & Mathematical Sciences be registered for pursuit of Ph.D/I-Ph. D programmes on whole-time/part-time basis subject to the fulfillment of conditions (if any) indicated against each in the remarks column of the respective annexure.

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<i>S No</i>	<i>Name</i>	<i>College</i>	<i>Discipline</i>
01.	Dr. Nighat Nazir Assistant Professor	Islamic College of Science and Commerce, Srinagar.	Chemistry
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03.	Dr. Masood Ayoub Kaloo Assistant Professor	Govt. Degree College Shopian	Chemistry
04.	Dr. Mushtaq Ahmad Bhat Assistant Professor	Govt. Degree College Budgam	Mathematics

Resolved that above teachers be recognized as co-supervisors in the disciplines of Chemistry and Mathematics **subject to the condition that they produce confirmation orders as Assistant Professors from the parent Deptt.**

Meetings concluded with thanks to the chair.

Approved.

Sd/-
Vice-Chancellor

Sd/-
Dean Research



UNIVERSITY OF KASHMIR, SRINAGAR
OFFICE OF THE DEAN RESEARCH

No: F (BORS-Phy & Mathematical Scs)KU/19
Dated: November 30, 2019

- Copy of the approved minutes alongwith statement of particulars of the candidates forwarded to the HOD, _____ for necessary action. Conditions if any contained in the remarks column of the statements may be fulfilled. After verification of the certificates/required documents/submission of registration forms/deposition of admission fee and submission of joining reports, the documents may please be forwarded for reckoning of the registration of the scholars. Before joining eligibility of the candidates for part-time registration is to be checked and concerned allowed to join only after production of permission and leave sanction order from the parent Department.

Assistant Registrar
(Research)

Annexure-A

Discipline: Statistics

<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>
1.	Gulzar Ahmad Shalbaf Ph. D Whole-time Reg.No. 309-PGD-2001	Dr. Anwar Hassan Professor Dr. Bilal Ahmad Sheikh, Govt. Degree College, Ganderbal (Co-supervisor)	Characterization and Estimation of Generalized Distributions	Characterization and Estimation of Compound Akash Distribution	I. Topic modified. II. Case of co-supervision of Dr. Bilal Ahmad Sheikh, Govt. Degree College, Ganderbal to be submitted by the Deptt. to Dean Research alongwith following documents: a) C.V b) Appointment and confirmation orders c) NOC from parent Deptt. d) DRC recommendations In case, Dr. Bilal Ahmad Sheikh is already approved co-supervisor of the University, approval letter is required to be provided by the department to the Dean Research office for necessary action.
2.	Saima Manzoor Ph. D Whole-time Reg.No.53549-W-2008	Dr. M. A. K. Baig Professor	Generalization of 'Useful' Fuzzy Divergence Measures and Their Applications	Two parametric 'Useful' R norm information Measure and Their Applications	Topic modified.
3.	Safina Peerzada Ph. D Whole-time Reg. No.53551-W-2008	Dr. M. A. K. Baig Professor	Characterization of Parametric Generalized Fuzzy Uncertainty Measures and their Applications	An Extension of Boekee & Lubbe Measure of information and its Applications	Topic modified.

4.	Rifat Nisa Ph.D Whole-time Reg. No. 12101-NW-2000	Dr. M.A.K. Baig Professor	Generalized Entropy of Order Statistics and its Properties	Entropy and residual Entropy of 1 st and n th order Statistics	Topic modified.
5.	Bilal Ahmad Bhat Ph.D Whole-time Reg.No.2234-TC-2004	Dr. M.A.K. Baig Professor	Characterization of Lifetime Distributions by Means of 'Useful' Entropy Functions	Characterization of Lifetime Distributions by Means of Weighted Entropy Function	Topic modified.
6.	Imran Hussain Ph.D Part-time Reg. No.14044-IC-97	Dr. Tariq Rashid Jan Asstt. Professor Dr. Tariq Ahmad Chisti (Co-supervisor)	Modeling and Estimation of some Generalized Probability Distribution	Transformations of Inverse Log-Logistic Probability Distribution and their estimation	Topic modified.

7.	Rafia Jan Ph.D Whole-time Reg. No.12922-PC-2007	Dr. Tariq Rashid Jan Asstt. Professor Dr. Showkat Maqbool Asstt. Professor SKUAST-K (Co-supervisor)	Class of Modified Estimators in Sample Survey Using Auxiliary Information	Modified Estimators for Estimating Population Parameters in Various Sampling Strategies Using Auxiliary Information	1. Topics modified. 2. Case of co-supervision of Dr. Showkat Maqbool Asstt. Professor SKUAST-K to be submitted by the Deptt. to Dean Research alongwith following documents: a) C.V b) Appointment and confirmation orders c) NOC from parent Deptt. d) DRC recommendations In case, Dr. Showkat Maqbool Asstt. Professor SKUAST-K is already approved co-supervisor of the University, approval letter is required to be provided by the department to the Dean Research office for necessary action.
8.	Asra Nazir Ph.D Whole-time Reg. No. 53533-W-2008	Dr. Tariq Rashid Jan Asstt. Professor Dr. Showkat Maqbool Asstt. Professor SKUAST-K (Co-supervisor)	Modified Conventional and Non-Conventional Location Parameters in Survey Sampling	New Estimators using Conventional and Non-Conventional Location Parameters	
9.	Sofi Mudasir Ahad Ph.D Whole-time Reg. No.19473-IC-2005	Dr. Sheikh Parvaiz Ahmad Asstt. Professor	Characterization and Estimation of Weighted Probability Distributions	Characterization and Estimation of Weighted Nakagami, Erlang and Rayleigh Distributions	Topic modified.

10.	Uzma Jan Ph.D Whole-time Reg.No.53543-W-2008	Dr. Sheikh Parvaiz Ahmad	Generalizations of Probabilistic Models and their Applications	Construction and Estimation of Generalized Probability Models Using Transformation Techniques	Topic modified.
11.	Sameer Ahmad Wani I-Ph.D Whole-time Reg. No.5959-GBL-2010	Prof. Anwar Hassan Dr. Bilal Ahmad Sheikh Govt. Degree College, Ganderbal (Co-supervisor)	Generalization and Characterization of Probability Models Applicable to Life Time Data	Modeling and analysis of lifetime data of animals and Human beings	<ol style="list-style-type: none"> 1. Topic modified. 2. Case of co-supervision of Dr. Bilal Ahmad Sheikh, Govt. Degree College, Ganderbal to be submitted by the Deptt. to Dean Research alongwith following documents: <ol style="list-style-type: none"> a) C.V b) Appointment and confirmation orders c) NOC from parent Deptt. d) DRC recommendations <p>In case, Dr. Bilal Ahmad Sheikh is already approved co-supervisor of the University, approval letter is required to be provided by the department to the Dean Research office for necessary action.</p>
12.	Nazima Akhtar I.Ph.D Whole-time Reg. No54041-W-2009	Prof. Anwar Hassan Professor	Some New Lifetime Distributions Generated through Compounding Mechanism	Modeling of Lifetime Data Through Compounding Mechanism	Topic modified.

13.	Ishfaq Ahmad Shah I-Ph.D Whole-time Reg. No102-PHD-2017	Prof. Anwar Hassan Professor	Contributions to count data modeling with applications	COUNT MODELS GENERATED BY NEGATIVE BINOMIAL DISTRIBUTION AND THEIR APPLICATIONS	1. Topic modified. 2. Case of co-supervision of Dr. Peer Bilal Ahmad and Prof. J.P.Singh Joorel, University of Jammu, Jammu to be submitted by the Deptt. to Dean Research alongwith following documents: a) C.V b) Appointment and confirmation orders c) NOC from parent Deptt. d) DRC recommendations
14.	Bazila Qayoom I-Ph.D Whole-time Reg. .No 23833-PC-2011	Dr. M.A.K. Baig Professor	Two Parametric Generalization of Classical and Fuzzy Uncertainty Measures with their Properties	Generalization to two parameters of Shannon and Zadeh Uncertainty Measures	Topic modified.
15.	Nafeesa Bashir I-Ph.D Whole-time Reg.No 60298-W-2011	Dr. Tariq Rashid Jan Asstt. Professor	Effectiveness Analysis of Various Stochastic Models Subject to Different Failure and repair Policies	Effectiveness Analysis of Multicomponent Reliability Models Subject to Different Failure repair Policies	1. Topic modified. 2. Case of co-supervision of Prof. J.P.Singh Joorel, University of Jammu, Jammu to be submitted by the Deptt. to Dean Research alongwith following documents: a) C.V b) Appointment and confirmation orders c) NOC from parent Deptt. d) DRC recommendations

16	Aliya Syed Malik I-Ph.D Whole-time Reg.No.26690-NW-2011	Dr. Sheikh Parvaiz Ahmad Asstt. Professor	An Extension of some probability Distributions with Applications	Extension of Rayleigh and Inverse Rayleigh Distributions	Topic modified.
17.	Rameesa Jan I-Ph.D Whole-time Reg.No. 1188-PGD-2014	Dr. Tariq Rashid Jan	Modeling of Generalized Probability Distributions under Classical Statistical Universe	Modeling of Generalized Lindley Distributions under Classical Statistical Universe	1. Topic modified. 2. Case of co-supervision of Dr. Peer Bilal Ahmad to be submitted by the Deptt. to Dean Research alongwith following documents: a) C.V b) Appointment and confirmation orders c) NOC from parent Deptt. d) DRC recommendations
18.	Ajaz Ahmad Bhat I-Ph.D Whole-time Reg.No. 45394-S-2011	Dr. Sheikh Parvaiz Ahmad Asstt. Professor	Estimation and Applications of Generalized Probability Distributions	Formation of New Probability Models Using Mixture and Power Transformation Techniques	Topic modified.
19.	Showkat Ahmad Dar I-Ph.D Whole-time Reg No.18686-PC-2009	Dr. Anwar Hassan Professor	Estimation of some new Compounding Probability Distributions	Estimation of Compound Probability Models for Count Data	1.Topic modified. 2. Case of co-supervision of Dr. Peer Bilal Ahmad to be submitted by the Deptt. to Dean Research alongwith following documents: a) C.V b) Appointment and confirmation orders c) NOC from parent Deptt. d) DRC recommendations

Annexure-B

Discipline: Mathematics

<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>
1.	Ahsan Ul Haq Lone I-Ph.D Whole-time Reg. No.52930-ANG-2007	Dr. Mukhtar A. Khanday Associate Professor	Mathematical modelling of transport and exchange of oxygen and carbon-dioxide in human body	Mathematical study of oxygen and carbon-dioxide transport in biological tissues under environmental disturbances	Topic modified.
2.	Abrar Ahmad I-Ph.D Whole-time Reg.No. 24939-IC-2009	Dr. Abdullah Mir Asstt. Professor	Zero free regions and bounds for the maximum modulus of a polynomial	Zero free regions and bounds for the maximum modulus of lacunary-type polynomials	Topic modified.
3.	Rezwan-ul-Shaban I-Ph.D Whole-time Reg.No.41716-S-2007	Dr. Sharifuddin Peerzada Professor	On Laplacian spectra of graphs	On Laplacian spectra of graphs	

4.	Azhar Yousuf I-Ph.D Whole-time Reg.No.64487-ANG-2010	Dr. Firdous Ahmad Shah Asstt. Professor	On some aspects of the stockwell transform	An analysis of the stock well transforms in different time- frequency domains	Topic modified.
5.	Saqib Mubarak I-Ph.D Whole-time Reg.No. 64445-ANG-2010	Dr. Mukhtar Ahmad Khanday Associate Professor	Mathematical and numerical study of drug and tracer kinetics in human body	Mathematical and numerical study of drug and tracer diffusion in biological tissues	Topic modified.
6.	Ishfaq Ahmad Dar I-Ph.D Whole-time Reg.No. 20376-G-2011	Dr. N.A. Rather Professor	Extremal Problems for polynomials and their zero bounds	Extremal Problems for polynomials and their zero bounds	

7.	Bilal Ahmad Rather I-Ph.D Whole-time Reg.No.16732-G-2008	Dr. Sharifuddin Peerzada Professor Dr. T.A.Chisti DDE	On distribution of Laplacian eigenvalues of graphs	On distribution of Laplacian eigenvalues of graphs	
8.	Rubia Akhter I-Ph.D Whole-time Reg.No. 25079-AW-2011	Dr. Manzoor ul Hassan Gulzar Professor Dr. Bashir Ahmad Zargar Professor (Co-supervisor)	Location of zeros and growth of polynomials	Distribution of zeros of Kakeya-type polynomials and growth of rational functions with prescribed poles	Topic modified.
9.	Mohd Irfan I-Ph.D Whole-time Reg.No.101-PHD-2017	Dr. Firdous A. Shah Asstt. Professor	A numerical study of biological models using wavelet methods	A numerical study of Bio-heat and population growth models using wavelet collocation method	Topic modified.
10	Aaqib Iqbal I-Ph.D Whole-time Reg.No 42413-A-2009	Dr. Nisar Ahmad Rather Professor	Estimates for the moduli of Zeros and rate of growth of the modulus of Polynomial	Estimates for the moduli of Zeros and rate of growth of the modulus of algebraic Polynomial	Topic modified.

11.	Adil Hussain Malik I-Ph.D Whole-time Reg.No. 21449-PC-2010	Dr. Mohd Abdullah Mir Asstt. Professor	Extremal properties and location of zeros of polynomials	Inequalities for uniform and integral norms and the location of zeros of polynomials	Topic modified.
12.	Aijaz Ahmad Malla I-Ph.D Whole-time Reg.No. 28145-SP-2008	Dr. Sharifuddin Peerzada Professor	Rings and their zero divisor graphs	Rings and their zero divisor graphs	
13.	Mohmad Imran Bhat I-Ph.D Whole-time Reg.No. 21290-SJ-2008	Dr. Sharifuddin Peerzada Professor	On rings and the graphs associated to their structures.	On rings and the graphs associated to their structures.	
14.	Mudasir Ahmad Malik I-Ph.D Whole-time Reg.No.19201-SJ-2006	Dr. Mohd Iqbal Bhat Asstt. Professor South Campus	Approximation solvability of some classes of variational inclusions	Approximation solvability of some classes of variational inclusions	Candidate registered for M.Phil opt out under Integrated Ph.D programme.

Annexure-C

Discipline: Chemistry

<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>
1.	Shafia Lateef (Govt. teacher) Ph. D whole-time Reg.No47332-W-2006	Dr. G. M. Peerzada Professor Prof. Nadeem Bashir (Co-supervisor)	Fast and eco-friendly syntheses of novel soluble thermo/pH sensitive polymers, their thermo-mechanical studies and applications	Fast and eco-friendly syntheses of novel soluble thermo/pH sensitive polymers: Thermo-mechanical studies and applications	I. Topic modified. II. Case of co-supervision of Professor Nadeem Bashir to be submitted by the Deptt. to Dean Research alongwith following documents: a) C.V b) Appointment and confirmation orders c) NOC from parent Deptt. d) DRC recommendations In case, Prof. Nadeem Bashir is already approved co-supervisor of the University, approval letter is required to be provided by the department to the Dean Research office for necessary action.
2.	Shabnum Bashir Ph. D Whole-time Reg.No7488-PC-2004	Dr. Masood Ahmad Rizvi Asstt. Professor	Synthesis, physiochemical behaviour and applications of bioactive metal systems	Synthesis, physiochemical behaviour and applications of bioactive metal systems	

3.	Shajrath Din Ph. D Whole-time Reg.No.47167-W-2006	Dr. Syed Wajahat Amin Shah Professor Dr. Manzoor Ahmad Shah Department of Botany (Co-supervisor)	Isolation, characterization and biological evaluation of bioactive principal constituents of various invasive plants of Kashmir valley	Isolation, characterization and biological evaluation of bioactive principal constituents of various invasive plants in Kashmir valley	Topic modified.
4.	Ruheena Tabasum (Teacher) Ph. D whole-time Reg.No.26952-W-96	Dr. Altaf Hussain Pandith Prof. Kowsar Majid (Co-supervisor)	Synthesis and characterization of polymer nanocomposites with some transition metal complexes: study of electric, thermal and sensing properties	Synthesis and characterization of polymer nanocomposites with some transition metal complexes: study of electric, thermal and sensing properties	I. Deptt. of Chemistry is required to submit the case regarding co-supervision of Prof. Kowsar Majid to the Dean Research alongwith following documents: 1. C. V 2. Appointment and confirmation of orders copies. 3. NOC of the Employer. 4. DRC recommendations. In case, Prof. Kowsar Majid is already approved co-supervisor of the University, approval letter is required to be provided by the department to the Dean Research office for necessary action.

5.	Hina Kousar Qadri Asstt. Professor Ph. D whole-time Reg.No 24169-W-94	Dr. Aijaz Ahmad Dar Asstt. Professor Dr. G.M. Rather Professor (Co-supervisor)	Formulation, characterization, and transport applications of self-assembled systems based on surfactants and polymers	Formulation, characterization, and transport applications of self-assembled systems based on surfactants and polymers	
6	Iram Fayaz I-Ph.D Whole-time Reg.No 35967-W-2002	Dr. G. M. Peerzada Professor	Synthesis and characterization of some novel metalloresins for exploring their industrial potential	Synthesis and characterization of some novel metalloresins and their industrial applications	Topic modified.
7	Shazia Nabi I-Ph.D Whole-time Reg.No.59754-W-2011	Dr. Mohsin Ahmad Bhat	Exploring metal nanoparticle and metal cage functionalized metal organic frameworks	Exploring metal nanoparticle and metal cage functionalized metal organic frameworks (MOFS) for Catalytic and electrocatalytic applications	Topic modified.
8.	Shariqah Hijazi Ph.D Whole-time Reg.No. Nil	Dr. Wajahat Amin Shah Professor Dr. Irshad Ahmad Nawchoo Professor (Co-supervisor)	Phytochemical investigation of some medicinal important plants of high altitude Ladakh area of Jammu and Kashmir	Phytochemical investigation of some medicinal plants of Ladakh, Jammu and Kashmir	Topic modified.

9.	Ruhee Jan Ph.D Part-time Reg.No 12612-G-2000	Dr. Mohammad Akbar Khuroo Professor	Chemical and Bioevaluation of different varieties of Walnut a comparative study	Chemical and Bioevaluation of different varieties of Walnut kernel: A comparative study	Topic modified.
10.	Mohd Iqbal Bhat Ph. D Part-time Reg. No. 35452-ANG-99	Dr. Altaf Hussain Pandith Professor	Study of the Structural, opto-electronic and Charge transfer properties of dye/quantum dot sensitized nano- structure architectures for Solar energy conversion, using Density Functional Theory	Study of the Structural, opto-electronic and Charge transfer properties of dye/quantum dot sensitized nano- structure architectures for Solar energy conversion using Density Functional Theory	Registration of the scholar is subject to production of permission and leave sanction order for mandatory residency period by the scholar from the parent Deptt. before joining Ph.D programme.

Annexure-D

Discipline: Physics

<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>
1.	Tasaduq Hussain Mir I-Ph.D Whole-time Reg.No.16922-PC-2009	Dr. Gowher Bashir Vakil Associate Professor	Tailoring of Magnetic and Electric Properties of Multiferroics containing Bismuth	Tailoring of Magnetic and Electric Properties of Multiferroics containing Bismuth	Deptt. of Physics is required to submit the case regarding co-supervision of Dr. K. K. Banzai to the Dean Research alongwith following documents: 1. C. V 2. Appointment and confirmation order copies. 3. NOC of the Employer. 4. DRC recommendations.
2.	Nahida Hassan I-Ph.D Whole-time Reg.No. 34571-SP-2010	Dr. Basharat Ahmad Want Dr. Altaf Hussain Pandit (Co-supervisor)	Magnetic, Dielectric and Magnetodielectric Properties of Ferroelectric-Ferrimagnetic Based Multiferriocs	Magnetic, Dielectric and Magnetodielectric Properties of Ferroelectric-Ferrimagnetic Based Multiferriocs	
3.	Salik Nazir Rigu I-Ph.D Whole-time Reg.No. 41657-S-2007	Dr. Syed Shakeel Simnani Dr. Sajad Masood	Measurement and Modelling of Radon gas in soil, water and Air and associated Radiological hazards.	Measurement and Modelling of Radon gas in soil, water and Air and associated Radiological hazards.	

4.	Bilal Ahmad Ganaie I-Ph.D Whole-time Reg.No. 45430-S-2011	Dr. Manzoor Ahmad Malik Professor	Air glow observations of Atmospheric Gravity, waves in the Mesosphere and Lower Thermosphere (MLT region, 60-150 km Height)	Air glow observations of Atmospheric Gravity, waves in the Mesosphere and Lower Thermosphere (MLT region, 60-150 km Height)	
5	Sheeraz Ahmad Khanday I-Ph.D Whole-time Reg.No 64397-ANG-2010	Dr. Naseer Iqbal Professor	Multi-wavelength Studies of Rich and Poor Galaxy clusters in an Expanding Universe	Multi-wavelength Studies of Rich and Poor Galaxy clusters in an Expanding Universe	Deptt. of Physics is required to submit case regarding co-supervision of Dr. Kanak Sahia to the Dean Research alongwith following documents: 1. C. V 2. Appointment and confirmation order copies. 3. NOC of the Employer. 4. DRC recommendations
6.	Shahnawaz Ahmad Malik I-Ph.D Whole-time Reg.No.4309-S-2009	Dr. Manzoor Ahmad Malik Professor	A Joint Study of Cosmology and Gas Physics with Galaxy-Groups and Clusters	A Joint Study of Cosmology and Gas Physics with Galaxy-Groups and Clusters	Deptt. of Physics is required to submit case regarding co-supervision of Dr. Subharbrata Majumdar to the Dean Research alongwith following documents: 1. C. V 2. Appointment and confirmation order copies. 3. NOC of the Employer. 4. DRC recommendations

7.	Aashiq Hussain Bhat I-Ph.D Whole-time Reg.No.47549-A-2011	Dr. Manzoor Ahmad Malik Professor	Travelling Ionospheric Disturbances Induced by Atmospheric Gravity Waves	A Study of Travelling Ionospheric Disturbances Induced by Atmospheric Gravity Waves	Topic modified.
8.	Imtiyaz Ahmad Najar I-Ph.D Whole-time Reg.No. 36618-A-2006	Dr. Waseem Bari	Particle correlation in the relativistic heavy-ion collisions	Particle correlation in the relativistic heavy-ion collisions	