

# Central University of Himachal Pradesh

[Established under Central Universities Act 2009]

PO Box: 21, Dharamshala, District Kangra-176215, Himachal Pradesh

## Department of Mathematics

### Minutes of the Fifth meeting of Board of Studies (BOS) held on 16<sup>th</sup> May, 2018 at 4:00

#### P.M.

The Fifth meeting of BOS of the Department of Mathematics was held on 16<sup>th</sup> of May, 2018 at Temporary Academic Block (TAB), Shahpur at 04:00 P.M.

The following were present:

1. Prof. I.V. Malhan, Chairman & Convenor
2. Dr. Jyoti Prakash Sharma, External Expert, HPU
3. Prof. Roshan Lal Sharma, Dean School of Humanities & Languages, CUHP
4. Dr. Ravinder Singh, Member, Department of Mathematics, CUHP

The decisions taken on various items of Agenda and record of discussions held are as under

Item-BOS-5.1: To confirm the minutes of the Fourth Meetings of BOS of the Department of Mathematics held on 15<sup>th</sup> June 2016.

**Decision:** The minutes of the Fourth Meeting of the BOS of the Department of Mathematics were approved.

Item-BOS-5.2: To ratify the revised course of study taken by the Department to introduce the new pattern of courses as per UGC guidelines (Annexure-1).

**Decision:** The BOS approved the Item BOS-5.2.

Item-BOS-5.3: To approve the Synopsis of the following students (Annexure-3 & 4):

S. No.	Name of Student with Roll No.	Name of Supervisor	Area of Research	Date of Joining of student for Ph.D.
1.	Ms. Kanika Sood CUHP15RDMATH01	Dr. Sachin Kumar Srivastava	Differential Geometry	2 <sup>nd</sup> Dec. 2015
2.	Mr. Ravinder Kumar, CUHP15RDMATH02	Dr. Rakesh Kumar	Fluid Mechanics	4 <sup>th</sup> Nov. 2015
3.	Ms. Reena Koundal, CUHP15RDMATH03	Dr. Rakesh Kumar	Fractional Differential Equations	2 <sup>nd</sup> Dec. 2015

Minutes of the 5<sup>th</sup> meeting of BOS of the Department of Mathematics held on 16<sup>th</sup> May 2018

**Decision:** The BOS members unanimously approved the synopsis of Kanika Sood, Ravinder Kumar and Reena Kundal. Professor Jyoti Prakash exhorted that the work done till date and published could also be appended to the synopsis.

**Item-BOS-4.5:** To approve the faculty members to supervise the Ph.D. work of the following scholars:

No.	Name of Student with Roll No.	Name of Supervisor	Area of Research	Date of Joining of student for Ph.D.
1.	Mr. Anuj Kumar CUHP17RDMATH01	Dr. Sachin Kumar Srivastava	Differential Geometry	13 <sup>th</sup> Nov. 2017
2.	Ms. Mayrika Dhiman CUHP17RDMATH02	Dr. Sachin Kumar Srivastava	Differential Geometry	13 <sup>th</sup> Nov. 2017
3.	Mr. Manoj Kumar CUHP17RDMATH03	Dr. Ravinder Singh	Algebra	10 <sup>th</sup> Nov. 2017

**Decision:** The BOS members unanimously approved the respective faculty members to supervise the Ph.D. work of Anuj Kumar, Mayrika Dhiman and Manoj Kumar.

**Item-BOS-5.5:** Moving the course MTH 606 Principles of Mathematics and Techniques (Credits 04) from the category Core Open Courses to the category Skill Development and change its code and credits to MTH414 (Credits 02) respectively.

**Decision:** The BOS members approved the moving of the course MTH 606 Principles of Mathematics and Techniques (Credits 04) from the category Core Open Courses to the category Skill Development but suggested that its code and credits should not be altered.

**Items-BOS-5.6-BOS-5.10** Changing the name of the courses as listed in the agenda as items BOS-5.6-BOS-5.10.

**Decision:** The BOS members suggested that name of the courses as listed in the agenda as items BOS-5.6-BOS-5.10. should not be altered.

**Items-BOS-5.11-BOS-5.13:** Removing the courses as listed in the agenda as items BOS-5.11-BOS-5.13.

**Decision:** The BOS members suggested that instead of dropping the courses mentioned in the items BOS-5.11-BOS-5.13 these courses can be relegated to the Comprehensive Courses list of the department.

**Items BOS-5.14-BOS-5.22:** Introducing new courses as listed in the agenda as items Items BOS-5.14-BOS-5.22.

**Decision:** The BOS approved the items BOS-5.14 to BOS-5.22

Item-BOS-5.23-BOS5.24 To approve the list of external examiners and experts for teaching courses in workshop mode (Annexure-5,6).

Decision: The BOS approved the Items BOS-5.23 and BOS-5.24.

Item-BOS-5.25 To adopt UGC (Credit Framework for for Online Learning Course through SWAYAM) regulation 2016, for course registration, preferably selecting, if required, the need based courses that may augment the requisite skill of learners.

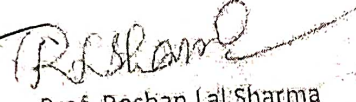
Decision: The BOS approved the item BOS-5.25.

Item-BOS-5.6: Any other item with the permission of the chair.

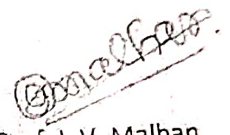
Decision: None of the members proposed any item for discussion and hence no item was taken up.

The meeting terminated with a vote of thanks to the chair.

  
Dr. J. P. Sharma,

  
Prof. Roshan Lal Sharma

  
Dr. Ravinder Singh

  
Prof. I. V. Malhan  
(Chairman & Convenor BOS, DoM)

Copy to:

1. All the members of BOS, Department of Mathematics for approval.
2. The Registrar & Finance Officer, CUHP, Camp Office Dharamshala for Information and Record.
3. P.S. to Vice-Chancellor for Information of Hon'ble Vice-Chancellor

# Central University of Himachal Pradesh

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PO Box: 21, Dharamshala, District Kangra-176215, Himachal Pradesh

## Department of Mathematics

### Minutes of the Fourth meeting of Board of Studies (BOS) held on 14<sup>th</sup> June, 2014 at

1.30 P.M.

The Fourth meeting of BOS of the Department of Mathematics was held on 14<sup>th</sup> of June, 2014 at Temporary Academic Block (TAB), Shahpur at 1.30 P.M.

The following were present:

1. Prof. I.V. Malhan, Chairman & Convenor
2. Prof. Jyoti Prakash, External Expert, HPU
3. Prof. A. K. Mahajan, Director, Centre for Computational Biology & Bioinformatics, CUHP
4. Dr. S. K. Srivastava, Member, Department of Mathematics, CUHP

The decisions taken on various items of Agenda and record of discussions held are as under:

**Item-BOS-4.1:** To confirm the minutes of the Third Meetings of BOS of the Department of Mathematics held on 29<sup>th</sup> September 2014.

**Decision:** The minutes of the Third Meeting of the BOS of the Department of Mathematics were approved.

**Item-BOS-4.2:** To confirm the action taken by the Department to introduce the new pattern of courses as per UGC guidelines (Annexure-1).

**Decision:** The BOS approved the Item-BOS-4.2.

**Item-BOS-4.3:** To confirm the action taken by the Department to introduce the new pattern of examination including question paper etc. (Annexure-2A & 2B).

**Decision:** The BOS approved the Item-BOS-4.3.

**Item-BOS-4.4:** To approve the Synopsis of the following students (Annexure-3&4):

S. No.	Name of Student with Roll No.	Name of Supervisor	Area of Research	Date of Joining of student for Ph.D.
1.	Mr. Anil Kumar, CUHP13RDMATH01	Dr. Sachin Kumar Srivastava	Differential Geometry	20 <sup>th</sup> Dec. 2013

Minutes of the 4<sup>th</sup> meeting of BOS of the Department of Mathematics held on 14<sup>th</sup> June 2014



2.	Ms. Shilpa Sood, CUHP13RDMATH02	Dr. Rakesh Kumar	Fluid Mechanics	20 <sup>th</sup> Dec. 2013
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**Decision:** The BOS unanimously approved the synopsis of Anil Sharma and Shilpa Sood.

**Item-BOS-4.5:** To approve the faculty members to Supervise research work of the following scholars:

S. No.	Name of Student with Roll No.	Name of Supervisor	Area of Research	Date of Joining of student for Ph.D.
1.	Ms. Kanika Sood CUHP15RDMATH01	Dr. Sachin Kumar Srivastava	Differential Geometry	2 <sup>nd</sup> Dec. 2015
2.	Mr. Ravinder Kumar, CUHP15RDMATH02	Dr. Rakesh Kumar	Fluid Mechanics	4 <sup>th</sup> Nov. 2015
3.	Ms. Reena Koundal, CUHP15RDMATH03	Dr. Rakesh Kumar	Fluid Mechanics	2 <sup>nd</sup> Dec. 2015

**Decision:** The BOS unanimously approved the respective faculty members to supervise research work of Kanika Sood, Ravinder Kumar and Reena Koundal.

**Item-BOS-4.5:** To approve the proposal of the Department with reference to the requirement of 16 credits for specialization in Industrial Mathematics which was approved by the BOS held on 19<sup>th</sup> September, 2012 (Annexure-5) and new pattern of courses as per UGC guidelines (where 16 credits of Elective specialization are compulsory for M.Sc. Mathematics (Annexure-1)) that if the student completes 80 credits but does not take full 16 credits of specialization from approved list of Annexure-4 then student may be awarded the degree of M.Sc. Mathematics.

**Decision:** The BOS unanimously approved the Item-BOS-4.5.

**Item-BOS-4.6:** Any other item with the permission of the chair.

**Decision:** None of the members proposed any item for discussion and hence no item was taken up.

The meeting terminated with a vote of thanks to the chair.



  
 Prof. Jyoti Prakash    Prof. A. K. Mahajan    Dr. S. K. Srivastava

  
 Prof. I. V. Malhan  
 (Chairman & Convenor BOS, DoM)

Copy to:

1. All the members of BOS, Department of Mathematics for approval.
2. The Registrar & Finance Officer, CUHP, Camp Office Dharamshala for Information and Record.
3. P.S. to Vice-Chancellor for Information of Hon'ble Vice-Chancellor