



Central University of Himachal Pradesh

(ESTABLISHED UNDER CENTRAL UNIVERSITIES ACT 2009)

Dharamshala, Himachal Pradesh-176215



NAAC Criterion-I

Key Indicator – 1.1.2

**Approved Minutes of the relevant
Academic Council/BOS meetings
highlighting the specific agenda item
relevant to the metric**

1.1.2 Evidences



**Central University of Himachal Pradesh, Dharamshala,
Kangra**



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Department of Computer Sciences and Information

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2	Approved Minutes of the 4 th BOS meeting highlighting the syllabus revision dated 06/06/2018	ITEM NO.: 4.2	5
3	Approved Minutes of the 7 th BOS meeting highlighting the syllabus revision dated 28/09/2021	CSI-BOS-7/21-1	8

Central University of Himachal Pradesh

Department of Computer Science & Informatics,
Temporary Academic Block, Shahpur,
District – Kangra, Himachal Pradesh – 176 206
Phone: +91(1892) 237286 (404);
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MINUTES OF THE 3rd BOARD OF STUDIES MEETING OF THE DEPARTMENT OF COMPUTER SCIENCE & INFORMATICS HELD ON 27th of January, 2017 AT 3:00 PM

VENUE: Seminar Hall, Central University of Himachal Pradesh, Temporary Academic Block,
Shahpur, District – Kangra, Himachal Pradesh – 176 206

Minutes

The Third Board of Studies Meeting of the Department of Computer Science & Informatics was held on 27th of Jan, 2017 at 03.00 P.M. at Seminar Hall, Central University of Himachal Pradesh – Temporary Academic Block, Tehsil-Shahpur, District-Kangra, Himachal Pradesh-176206.

The following members were present:-

1.	Prof. I.V. Malhan HOD, Docs&Inf.	CHAIRMAN
2.	Prof. Y. S. Verma Pro Vice Chancellor	VC Nominee
3.	Dr. Lakhwinder Kaur Punjabi University, Patiala	SUBJECT EXPERT
4.	Sh. Manoj Dhiman Assistant Professor, DoCS&Inf.	MEMBER
5.	Sh. Keshav Singh Rawat Assistant Professor, DoCS&Inf.	SPECIAL INVITEE

The following members could not attend the meeting because of illness and some other engagement:-

1.	Dr. Renu Vij, Panjab University	SUBJECT EXPERT
2.	Dr. Mushtaq Ahmed Dept of Env Science	VC Nominee

At the outset, Prof. I.V. Malhan, HOD, Department of Computer Science & Informatics (Chairman) extended a warm welcome to all the members for sparing their valuable time to attend this meeting.

THEREAFTER, THE AGENDA WAS TAKEN UP AS UNDER:

ITEM NO: 3.1 Confirmation of the minutes of 2nd Meeting of the Board of Studies of the Department of Computer Science & Informatics held on 9th March 2015

Decision: The Minutes of second Meeting of Board of Studies of the Department of Computer Science & Informatics held on 9th March 2015 were confirmed.

ITEM NO: 3.2 To ratify the CBCS new scheme of courses and examination pattern as per UGC guidelines

Decision: After a discussion, the Board of Studies approved the CBCS new scheme of courses and examination pattern as per UGC guidelines of M.Sc.[IT] Programme of the Department of Computer Science & Informatics as given in ANNEXURE-2A,2B.

ITEM NO: 3.3 To ratify the list of courses offered by the department as per new CBCS pattern of UGC.

Decision: The Board of Studies approved the list of courses offered by the department as per new CBCS pattern of UGC in ANNEXURE-3

ITEM NO: 3.4 To approve the Supervisor to Supervise research work of the following scholar:

S. No.	Name of Student with Roll No.	Name of Supervisor	Area of Research	Date of Joining of student for Ph.D.
1.	Mr. Keshav Singh Rawat CUHP15 RDCS01	Prof. I.V. Malhan	Big data analytics	06.11.2015

Decision: The Board of Studies approved the the Supervisor to Supervise research work of the Mr. Keshav Singh Rawat (CUHP15 RDCS01).

ITEM No: 3.5 **To approve new university regulation of external paper setting**

Decision: The Board of Studies approved the new regulation of external paper setting of the University in Annexure – 4.

ITEM NO: 3.6 **To approve the list of external paper setters for the department courses.**


Decision: The Board of Studies approved the list of external paper setters for the department courses in Annexure -5. The Board further authorized the HOD to appoint any other examiner in case any one for paper setting from the approved five for a paper is not agreeing external paper setter.


ITEM NO: 3.7 **Any other item**

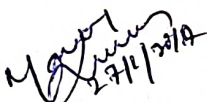
The HOD presented the content of the various courses being taught by the faculty for evaluation and suggestion of BOS members.


Decision: The Board of Studies appreciated the content of the various courses taught with the remarks that these are in conformity to the best of the courses designed in the Indian universities and fairly incorporate the latest trends and developments in area of computer science and informatics.


THE MEETING ENDED WITH THE VOTE OF THANKS TO THE CHAIR.


Prof. Y. S. Verma
Pro Vice Chancellor


Dr. Lakhwinder Kaur
Punjabi University,
Patiala


Sh. Manoj Dhiman
Assistant Professor,
DoCS&Inf.


Sh. Keshav Singh Rawat
Assistant Professor,
DoCS&Inf.


Prof. F.V. Malhan
Chairman & HOD, Docs&Inf.

Central University of Himachal Pradesh



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MINUTES OF THE 4th BOARD OF STUDIES MEETING OF THE DEPARTMENT OF COMPUTER SCIENCE & INFORMATICS HELD ON 6th of June, 2018 AT 3:00 PM

VENUE: Seminar Hall, Central University of Himachal Pradesh, Temporary Academic Block,
Shahpur, District – Kangra, Himachal Pradesh – 176 206

Minutes

The ~~Third~~^{Fourth} Board of Studies Meeting of the Department of Computer Science & Informatics was held on 6th of June, 2018 at 03.00 P.M. at Seminar Hall, Central University of Himachal Pradesh – Temporary Academic Block, Tehsil-Shahpur, District-Kangra, Himachal Pradesh-176206.

The following members were present:-

1.	Prof. I.V. Malhan HOD, Docs&Inf.	CHAIRMAN
2.	Prof. R.K.Singla Punjab University, Chandigarh	SUBJECT EXPERT
3.	Prof. Vibhaker Mansotra University of Jammu	SUBJECT EXPERT
4.	Prof. Mushtaq Ahmed Dept of Env Science	VC Nominee
5.	Dr. Rakesh Kumar Dept of Mathematics	VC Nominee
6.	Sh. Manoj Dhiman Assistant Professor, DoCS&Inf.	MEMBER
7.	Sh. Ajay Kumar Assistant Professor, DoCS&Inf.	SPECIAL INVITEE
8.	Sh. D.P.Dora Assistant Professor, DoCS&Inf.	SPECIAL INVITEE

[Signatures and dates]
6/6/18

At the outset, Prof. I.V. Malhan, HOD, Department of Computer Science & Informatics (Chairman) extended a warm welcome to all the members for sparing their valuable time to attend this meeting.

THEREAFTER, THE AGENDA WAS TAKEN UP AS UNDER:

ITEM NO: 4.1 To confirm the minutes of the third Meetings of BOS of the Department of Computer Science and Informatics held on 27th Jan 2017.

Decision: The Minutes of Third Meeting of Board of Studies of the Department of Computer Science & Informatics held on 7th Jan 2017 were confirmed.

ITEM NO: 4.2 **To approve updated list of courses offered by the department for M.Sc. IT.**

Decision: Updated list of courses offered by the department were discussed and recorded suggestions of external members.

ITEM NO: 4.3 To review the content of new courses developed by the faculties.

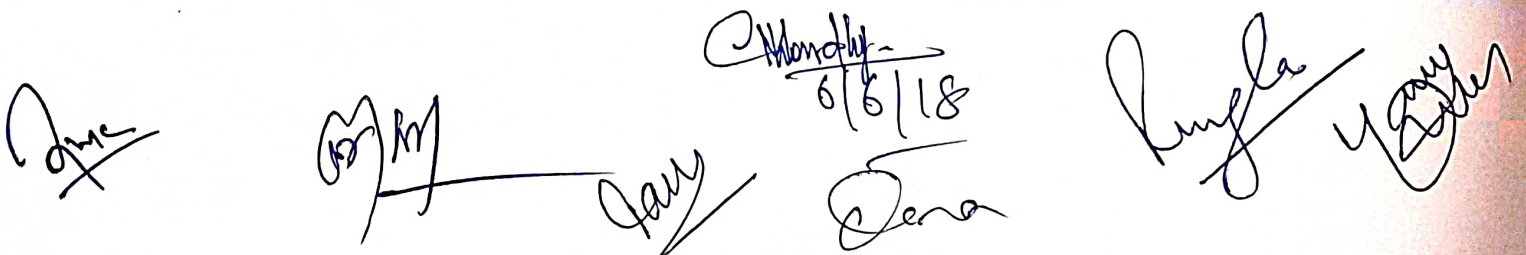
Decision: The External experts were satisfied by the course content developed by faculty members of department of Computer Science & informatics.

ITEM NO: 4.4 To approve the Ph.D. Synopsis of Keshav Singh Rawat, CUHP15 RDCS01 (Internal PhD candidate), Assistant Professor, Department of Computer Science & Informatics.

Decision: The Board of Studies approved the Ph.D. Synopsis of Keshav Singh Rawat, CUHP15RDCS01, on topic "Knowledge Discovery based on Data Mining Techniques in Higher Education." subject to production of NOC for PhD before next meeting of BOS. Further BOS approved that Prof. I.V. Malhan shall be supervisor and Prof. Vibhakar Mansotra, Dept of Computer Science and IT, University of Jammu shall be Co-Supervisor of the candidate.

ITEM No: 4.5 To adopt UGC (Credit framework for Online Courses through Swayam) regulation, 2016 for course registration preferably selecting if required the need based courses that may augment the requisite skills of learners.

Decision: Item no. 4.5 was approved by the Board of Studies.

Handwritten signatures of board members, including a date stamp '6/6/18' and the name 'Mandla'.

ITEM NO: 4.6 To approve the Panel of External Examiners to be appointed for conducting viva-voce and practical examination.

Decision: The Board of Studies approved the Panel of External Examiners to be appointed for conducting viva-voce and practical examination. The Board further authorized the HOD to appoint any other examiner in addition to the list if required.

ITEM NO: 4.7 To approve the list of external paper setters for various courses of study

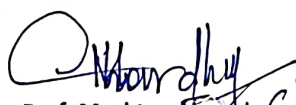
Decision: The Board of Studies approved list of external paper setters for various courses of study. The Board further authorized the HOD to appoint any other paper setters in addition to the list if required.


ITEM NO: 4.8 Any other item


The HOD presented the content of the various courses being taught by the faculty for evaluation and suggestion of BOS members.

Decision: The Board of Studies appreciated the content of the various courses taught with the remarks that these are in conformity to the best of the courses designed in the Indian universities and fairly incorporate the latest trends and developments in area of computer science and IT.


THE MEETING ENDED WITH THE VOTE OF THANKS TO THE CHAIR.


Prof. Mushtaq Ahmed
VC Nominee 6/6/18.

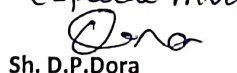

Sh. Manoj Dhiman
Asst.Prof., DoCS&Inf.



Prof. R.K. Singla
Subject Expert


Dr. Rakesh Kumar
VC Nominee


Sh. Ajay Kumar
Asst.Prof., DoCS&Inf.
(special invitee)


Prof. Vibhakar Mansotra
Subject Expert


Sh. D.P. Dora
Asst.Prof., DoCS&Inf.
(special invitee)


Prof. I.V. Malhan
Chairman & HOD, Docs&Inf.

Central University of Himachal Pradesh

Department of Computer Science and Informatics
School of Mathematics, Computers and Information Science

AGENDA



7th BOARD OF STUDIES MEETING
TO BE HELD ON 28th September, 2021

Venue: Through Online Mode on Google Meet



हिमाचल प्रदेश केन्द्रीय विश्वविद्यालय
Central University of Himachal Pradesh
 (Established under Central Universities Act 2009)
शाहपुर परिसर, शाहपुर, जिला काँगड़ा, हिमाचल प्रदेश -176206
 Shahpur Block, Shahpur, Distt. Kangra (HP) - 176206
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7th Meeting of Board of Studies (BOS), 28th September 2021

AGENDA-INDEX

Agenda Item No.	PARTICULARS	Information
CSI-BOS-7/21-1	Confirmation and Approval of the Minutes of the 6 th Board of Studies meeting held on 23 rd July, 2021.	Annexure – I
CSI-BOS-7/21-2	To place before the BoS for its approval, a revised structure of the MCA (2 Year) program in light of the National Education Policy-2020. All the revisions made from time to time in the scheme and syllabus of different courses of the MCA (2 Year) program as per the NEP-2020 guidelines will be reported to the upcoming BOS meetings.	Annexure-II,III
CSI-BOS-7/21-3	To place before the BoS for its approval, the adoption of Blended mode of learning in MCA (2 Year) program in the light of National Education Policy-2020.	-
CSI-BOS-7/21-4	To place before the BoS for its approval, the adoption of Multiple Entry-Exit systems in MCA (2 Year) programme in the light of National Education Policy-2020.	-
CSI-BOS-7/21-5	To place before the BoS for its approval, the list of new courses to be included in the course work of Ph.D. Computer Science & Informatics in the light of National Education Policy-2020.	Annexure- IV
CSI-BOS-7/21-6	To place before the BoS for correction in the typo errors in the MCA (3 years, 2020-23 Batch) programme scheme. The following corrections are required: MCA-E04 Data Mining, MCA-OC7 Image Processing, MCA-SD4 Introduction to Latex, MCA-SD2 Web Designing, and MCA-SD7 Network Administration.	-
CSI-BOS-7/21-7	Any item with the permission of the Chair.	-



File No.: CSI/1-5/BoS/CUHP/21/133

Dated: 28/09/2021

**MINUTES OF THE 7th BOARD OF STUDIES MEETING
HELD ON 28th September, 2021**

The meeting of the 7th Board of Studies of the Department of Computer Science & Informatics, School of Mathematics, Computers and Information Science, Central University of Himachal Pradesh, Shahpur Parisar, Shahpur was held through online mode on Google Meet on 28th September, 2021 at 9:00 AM. During the meeting, all members were available on Google Meet. Prof. Rakesh Kumar, Head and Dean, School of Mathematics, Computers and Information Sciences chaired the meeting.

Following members attended the meeting:

1. **Prof. Rakesh Kumar – Head and Convener**
Head, Department of Computer Science and Informatics and Dean, School of Mathematics, Computers and Information Science, Central University of Himachal Pradesh, Shahpur Parisar, Shahpur.
2. **Dr. T.P. Sharma– Subject Expert**
Associate Professor, Department of Computer Engineering, National Institute of Technology, Hamirpur.
3. **Prof. Shakshi Kausal – Subject Expert**
Professor, UIET, Panjab University, Sector- 25, Chandigarh
4. **Prof. O.S.K.S. Sastri – Vice Chancellor's Nominee**
Professor, Department of Physics and Astronomical Science, Central University of Himachal Pradesh, Shahpur Parisar, Shahpur.
5. **Dr. Rajender Kumar – Vice Chancellor's Nominee**
Associate Professor, Department of Chemical and Chemical Sciences, Central University of Himachal Pradesh, Shahpur Parisar, Shahpur.
6. **Dr. Keshav Singh Rawat – Dean's Nominee**
Incharge, Assistant Professor, Department of Computer Science and Informatics, Central University of Himachal Pradesh, Shahpur Parisar, Shahpur.
7. **Sh. Ajay Kumar, Member**
Assistant Professor, Department of Computer Science and Informatics, Central University of Himachal Pradesh, Shahpur Parisar, Shahpur.
8. **Sh. Manoj Dhiman– Special Invitee**
Assistant Professor, Department of Computer Science and Informatics, Central University of Himachal Pradesh, Shahpur Parisar, Shahpur.

The Chairman welcomed all the Hon'ble members & Special Invitees and briefed about the past activities and also about the various agenda items to be discussed in the meeting which were sent in advance to all the members through e-mail including External subject experts.

All the members were informed about the issuance of the University guidelines regarding the implementation of NEP 2020 which are subject to the approval from Academic Council and Executive Council of CUHP. The Agenda Items were placed before the committee and after detailed discussions and deliberations on each, the following decisions were taken:-

AGENDA ITEM NO. - CSI-BOS-7/21-1

Confirmation and Approval of the Minutes of the 6th Board of Studies meeting held on 23rd July, 2021.

Decision:

The Minutes of the 6th meeting of the BoS were Confirmed and Approved attached as Annexure-I.

AGENDA ITEM NO. - CSI-BOS-7/21-2

To place before the BoS for its approval, a revised structure of the MCA (2 Year) program in light of the National Education Policy-2020. All the revisions made from time to time in the scheme and syllabus of different courses of the MCA (2 Year) program as per the NEP-2020 guidelines will be reported to the upcoming BOS meetings.

Decision:

All the members of BoS unanimously approved the revised course basket of the MCA (2 Year) program in light of the National Education Policy-2020 as Annexure-II, III. Subject Experts were of the opinion that the revisions made from time to time in the scheme & syllabus of different courses of the MCA program as well as other modifications as per the NEP-2020 guidelines of the Central University of Himachal Pradesh may be reported to the upcoming BOS meetings.

AGENDA ITEM NO. -CSI-BOS-7/21-3

To place before the BoS for its approval, the adoption of Blended mode of learning in MCA (2 Year) program in the light of National Education Policy-2020.

Decision:

All the members of BoS unanimously approved the adoption of blended/hybrid mode of learning in MCA (2 year) programme of study in the light of National Education Policy-2020 of the Central University of Himachal Pradesh.

AGENDA ITEM NO. - CSI-BOS-7/21-4

To place before the BoS for its approval, the adoption of Multiple Entry-Exit systems in MCA (2 Year) programme in the light of National Education Policy-2020.

Decision:

All the members of BoS unanimously approved the adoption of Multiple Entry-Exit system in MCA (2 Year) programme in the light of National Education Policy-2020 of the Central University of Himachal Pradesh.



All the members were informed about the issuance of the University guidelines regarding the implementation of NEP 2020 which are subject to the approval from Academic Council and Executive Council of CUHP. The Agenda Items were placed before the committee and after detailed discussions and deliberations on each, the following decisions were taken:-

AGENDA ITEM NO. - CSI-BOS-7/21-1

Confirmation and Approval of the Minutes of the 6th Board of Studies meeting held on 23rd July, 2021.

Decision:

The Minutes of the 6th meeting of the BoS were Confirmed and Approved attached as Annexure-I.

AGENDA ITEM NO. - CSI-BOS-7/21-2

To place before the BoS for its approval, a revised structure of the MCA (2 Year) program in light of the National Education Policy-2020. All the revisions made from time to time in the scheme and syllabus of different courses of the MCA (2 Year) program as per the NEP-2020 guidelines will be reported to the upcoming BOS meetings.

Decision:

All the members of BoS unanimously approved the revised course basket of the MCA (2 Year) program in light of the National Education Policy-2020 as Annexure-II, III. Subject Experts were of the opinion that the revisions made from time to time in the scheme & syllabus of different courses of the MCA program as well as other modifications as per the NEP-2020 guidelines of the Central University of Himachal Pradesh may be reported to the upcoming BOS meetings.

AGENDA ITEM NO. -CSI-BOS-7/21-3

To place before the BoS for its approval, the adoption of Blended mode of learning in MCA (2 Year) program in the light of National Education Policy-2020.

Decision:

All the members of BoS unanimously approved the adoption of blended/hybrid mode of learning in MCA (2 year) programme of study in the light of National Education Policy-2020 of the Central University of Himachal Pradesh.

AGENDA ITEM NO. - CSI-BOS-7/21-4

To place before the BoS for its approval, the adoption of Multiple Entry-Exit systems in MCA (2 Year) programme in the light of National Education Policy-2020.

Decision:

All the members of BoS unanimously approved the adoption of Multiple Entry-Exit system in MCA (2 Year) programme in the light of National Education Policy-2020 of the Central University of Himachal Pradesh.

AGENDA ITEM NO. - CSI-BOS-7/21-5

To place before the BoS for its approval, the list of new courses to be included in the course work of Ph.D. Computer Science & Informatics in the light of National Education Policy-2020.

Decision:

All the members of BoS unanimously approved the list of new courses for the course work in Ph.D. Computer Science & Informatics in the light of National Education Policy-2020 attached at Annexure-IV. Subject experts also suggested that the subjects of PhD course work may be divided into two semesters.

AGENDA ITEM NO. - CSI-BOS-7/21-6

To place before the BoS for correction in the typo errors in the MCA (3 years, 2020-23 Batch) programme scheme. The following corrections are required: MCA-E04 Data Mining, MCA-OC7 Image Processing, MCA-SD4 Introduction to Latex, MCA-SD2 Web Designing, and MCA-SD7 Network Administration.

Decision:

All members agreed and approved the correction in the typo errors in the MCA (3 years, 2020-23 Batch) programme scheme.

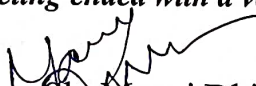
AGENDA ITEM NO. - CSI-BOS-7/21-7

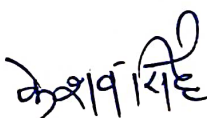
Any item with the permission of the Chair:

All the members were of the opinion that approved CUHP guidelines as per National Education Policy 2020 may be incorporated in the course schemes of different programmes of study of the Department of Computer Science & Informatics, and advised to report the same in the upcoming BoS meetings.


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


Sh. Ajay Kumar
(Member)


Sh. Manoj Dhiman
(Special Invitee)

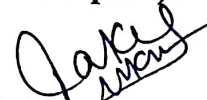

Dr. Keshav Singh Rawat
(Dean's Nominee)

(approved through e-mail)
Dr. Rajender Kumar
(VC's Nominee)


Prof. O.S.K.S. Sastri
(VC's Nominee)

(approved through e-mail)
Dr. T.P. Sharma
(Subject Expert)

(approved through e-mail)
Prof. Sakshi Kausal
(Subject Expert)


Prof. Rakesh Kumar
(Chairman & Convener)