



## CENTRAL UNIVERSITY OF HIMACHAL PRADESH

[ESTABLISHED UNDER THE CENTRAL UNIVERSITIES ACT 2009]

PO BOX: 21, DHARAMSHALA, DISTRICT KANGRA- 176215 (HP)

[www.cuhimachal.ac.in](http://www.cuhimachal.ac.in)

School of Mathematics, Computer Science & Information Sciences  
Department of Computer Science & Informatics

### Research Progress Report in respect of RAC (Research Advisory Committee) meeting held on for the period of August 2020 - December 2020

Programme of study: Ph.D.

Name: Dheeraj Kumar

Roll No./ Registration No: CUHP20RDSCS01

Department: Department of Computer Science and Informatics

E-Mail: [sharmadheeraj2899@gmail.com](mailto:sharmadheeraj2899@gmail.com)

Date of Enrolment: 06 August 2020

#### 1. Conferences/Workshops/Webinars/ Schools:

- Participated in the the “ **Advanced Series of the web of Science Training & Certification Program**” from **October 2020** organized by **Clarivate**.
- Participated in the “ **Basic Series of the web of Science Training & Certification Program**” from **September 2020** organized by **Clarivate**.
- Participated in the special public webinar on “**Machine Learning Methods in Computational Cancer Biology**” on **28 August 2020**, conducted by **MHRD-Institution Innovation Council (IIC) Chapter, Deen Dayal Upadhyaya College**.
- Participated in the special public webinar on “**Granular Mining, Uncertainty Modelling and Data Science: Concepts, Models and Challenges**” on **26 September 2020**, conducted by **MHRD-Institution Innovation Council (IIC) Chapter, Deen Dayal Upadhyaya College**.
- Participated in the Nutrition Education Programme on “**Non-Communicable Diseases**” on **September 2020** organized by **Ministry of Women and Child Development, ICMR-National Institute of Nutrition, Government of India, Hyderabad, Telangana**.
- Participated in the Nutrition Education Programme on “**Basic Nutrition**” on **September 2020** organized by **Ministry of Women and Child Development, ICMR-National Institute of Nutrition, Government of India, Hyderabad, Telangana**.



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### 3. Academic Progress

Course work: Completed.

S.No.	Courses	Course code	Credits Claimed
1.	Research and Publication Ethics	CPE-RPE	2 credits
2.	Research Methodology	CSI 604	4 credits
3.	Big data analytics	CSI 602	4 credits
4.	Internet of things	CSI 601	4 credits
	Total Credits Claimed		14 credits

#### Declaration:

I hereby declare that the information furnished above is true to the best of my knowledge.

*Dheeraj Kumar*

Signature of Student

(RAC Coordinator)

#### Members of Research Advisory Committee (RAC)

*K. Singh Rawat*  
Dr. Keshav Singh Rawat  
(Supervisor)

*Mahesh Kulharia*  
Dr. Mahesh Kulharia  
(Subject Expert)

*Shivarama Rao K.*  
Dr. Shivarama Rao K.  
(Subject Expert)

*Rakesh Kumar*  
Prof. Rakesh Kumar  
(Head of Department)



**Research Progress Report in respect of RAC (Research Advisory Committee) meeting for the period of August 2020 - December 2020**

Programme of Study : Ph.D.

Name : Girish Sharma

Roll No./ Registration No: CUHP20RDCS02

Department: Computer Science and Informatics

E-Mail: systemsanalyst@hpcu.ac.in

Date of Enrolment: 01 August, 2020

**1. Conferences/Workshops/Webinars:**

- Participated in the webinar on Information Processing on “AI, Image Analysis and Cyber Security” held on **15 August, 2020** organized by IIS-TIE & Dept. of CS & IT, IIS University, Jaipur in association with ACM Professional Chapter, Jaipur
- Participated in the webinar on “2020 Web of Science Training & Certification Program” held between **18-25 August, 2020** organized by Clarivate.

**2. Academic Progress**

Course work: Completed.

S.No	Courses	Course code	Credits Claimed
1.	Research and Publication Ethics	CPE-RPE	2 credits
2.	Research Methodology	CSI 604	4 credits
3.	Big Data Analytics	CSI 602	4 credits
4.	3D Printing	CSI 603	4 credits
Total Credits Claimed			14 credits



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Signature of Student

(RAC Coordinator)

**Members of Research Advisory Committee (RAC)**

Dr. Keshav Singh Rawat  
(Supervisor  
Department)

Dr. Mahesh Kulharia  
(Subject Expert)

Dr. Shivarama Rao K.  
(Subject Expert)

Prof. Rakesh Kumar  
(Head of



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Research Progress Report in respect of RAC (Research Advisory Committee) meeting held on 19/07/2021 for the period of August 2020 - December 2020

Programme of study: Ph.D.

Name: Manoj Dhiman

Roll No./ Registration No: CUHP20RDSCS03

Department: Department of Computer Science and Informatics

E-Mail: [manojdhiman.it@gmail.com](mailto:manojdhiman.it@gmail.com), [manojdhiman.it@hpcu.ac.in](mailto:manojdhiman.it@hpcu.ac.in)

Date of Enrolment: 06 August 2020

**Academic Progress**

Course work: Completed.

S.No.	Courses	Course code	Credits Claimed
1.	Research and Publication Ethics	CPE-RPE	2 credits
2.	Research Methodology	CSI 604	4 credits
3.	Big data analytics	CSI 602	4 credits
4.	Internet of things	CSI 601	4 credits
	Total Credits Claimed		14 credits

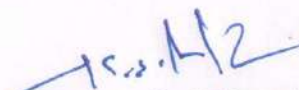
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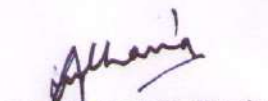
I hereby declare that the information furnished above is true to the best of my knowledge.


Signature of Student

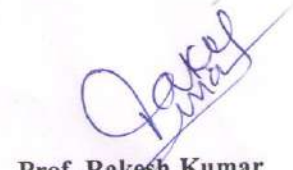
(RAC Coordinator)

**Members of Research Advisory Committee (RAC)**

  
Dr. Keshav Singh Rawat  
(Supervisor)

  
Dr. Mahesh Kulharia  
(Subject Expert)

  
Dr. Shivarama Rao K.  
(Subject Expert)

  
Prof. Rakesh Kumar  
(Head of Department)



हिमाचल प्रदेश केंद्रीय विश्वविद्यालय  
Central University of Himachal Pradesh

(Established under Central Universities Act 2009)

अस्थायी शैक्षणिक खण्ड, शाहपुर, जिला काँगड़ा, हि.प्र - (176206)

Temporary Academic Block, Shahpur, Distt. Kangra (HP) - 176206

**MINUTES OF RESEARCH ADVISORY COMMITTEE (RAC) MEETING OF  
DEPARTMENT OF COMPUTER SCIENCE AND INFORMATICS ON 19<sup>th</sup> July 2021**

A Meeting of the Research Advisory Committee (RAC) of the Department of Computer Science and Informatics was held on 19<sup>th</sup> July 2021 at 11.00 AM. At the outset, Dr. Keshav Singh Rawat, (Convener) extended a warm welcome to all members for sparing their valuable time to attend this meeting.

The following members of RAC attended the meeting:

1. Prof. Rakesh Kumar (Ex-Officio Chairman)
2. Dr. Mahesh Kulharia (Subject Expert)
3. Dr. Shivarama Rao K. (Subject Expert)
4. Dr. Keshav Singh Rawat (Convener/ Supervisor)

Thereafter the following items were discussed-

1. Approval of Co-Supervisor of the following research scholar:

Name of Student & Roll No.	Name of Supervisors	Name of Co-Supervisor	Topic
Sh. Dheeraj Kumar CUHP20RDSCS01	Dr. Keshav Singh Rawat	Dr. Sandeep Kumar Sood	IoT Assisted Cloud Based Data Analytics for Airborne Diseases
Sh. Girish Sharma CUHP20RDSCS02	Dr. Keshav Singh Rawat	Dr. Sandeep Kumar Sood	IoT and Cloud Driven Data Analytics for 3D Bio-implants

*The applications have been received from Sh. Dheeraj Kumar and Sh. Girish Sharma, research scholars, Department of Computer Science and Informatics regarding Co-Supervision of Dr. Sandeep Kumar Sood. The above-mentioned research scholars have already communicated two research papers and submitted one major revision in highly cited SCI Journals till now under the supervision of Dr. Sandeep Kumar Sood.*

*Dr. Sandeep Kumar Sood is a well-known scholar in the field of Computer Science with more than 128 SCI/Scopus publications with an h-index 30. He has also appointed as the supervisor of these students from the Board of Studies. As he has left the university and currently working in NIT, Kurukshetra, not able to continue to guide research scholars as a supervisor.*

*Therefore, in the interest of Ph.D. students and to improve the quality of research in the department, Dr. Sandeep Kumar Sood should be appointed as a co-supervisor, so that the above-mentioned students could continue research work under his expert guidance. He has already given his consent regarding the continuation of guidance as a Co-Supervisor.*

*The matter is placed to the approval of the Co-Supervisor of the above-mentioned research scholars.*

**The RAC approved Dr. Sandeep Kumar Sood as Co-Supervisor of Sh. Dheeraj Kumar, and Sh. Girish Sharma, research scholars, Department of Computer Science and Informatics, and forward this matter to the Board of studies for approval.**

K. S. Rawat  
19/7/21

*[Handwritten signatures]*

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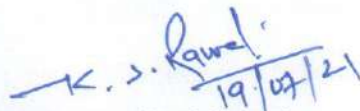
2. Evaluation of work/progress report of the following research scholars:


Name of Student & Roll No.	Name of Supervisors	Name of Co-Supervisor	Topic
Sh. Dheeraj Kumar CUHP20RDCS01	Dr. Keshav Singh Rawat	Dr. Sandeep Kumar Sood	IoT Assisted Cloud Based Data Analytics for Airborne Diseases
Sh. Girish Sharma CUHP20RDCS02	Dr. Keshav Singh Rawat	Dr. Sandeep Kumar Sood	IoT and Cloud Driven Data Analytics for 3D Bio-implants
Sh. Manoj Dhiman CUHP20RDCS03	Dr. Keshav Singh Rawat	-----	IoT Based Cloud and Fog Assisted Framework for Rural Healthcare

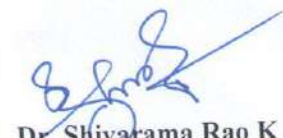
*The matter is placed to evaluation and guidance of research work/ progress report of the above-mentioned research scholars*


The RAC evaluated the work/ progress report of the above-mentioned research scholars based on the presentations of their work and forward the same to the Department with a copy to the research scholar.

THE MEETING ENDED WITH THE VOTE OF THANKS TO THE CHAIR

  
Dr. Keshav Singh Rawat  
(Supervisor)

  
Dr. Mahesh Kulharia  
(Subject Expert)

  
Dr. Shivarama Rao K  
(Subject Expert)

  
Prof. Rakesh Kumar  
(Ex-Officio Chairman)



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**Research Progress Report in respect of RAC (Research Advisory Committee) meeting held on for the period of Jan 2021-June 2021**

Programme of study: Ph.D.

Name: Dheeraj Kumar

Roll No./ Registration No: CUHP20RDCS01

Department: Department of Computer Science and Informatics

E-Mail: [sharmadheeraj2899@gmail.com](mailto:sharmadheeraj2899@gmail.com)

Date of Enrolment: 06 August 2020

**1. Conferences/Workshops/Webinars/ Schools:**

1. Participated in the "Online Workshop on Latex for Scientific Writing" held from 01<sup>st</sup> – 7<sup>th</sup> March, 2021 organized by Director of Distance Education Guru Jambheshwar University of Science & Technology, Hisar-125001 (Haryana).
2. Participated in International Conference on Innovations in Smart Technology, Advanced Materials and Communication Engineering (ISTAMCE 2021) held on 09<sup>th</sup> June 2021 at Amity School of Engineering and Technology, Amity University Madhya Pradesh, Gwalior.

**2. Papers Published in SCI Journals:**

- Dheeraj Kumar, Sandeep K. Sood, Keshav S. Rawat, "A Scientometric Review on the Role of Technologies in Detection and Prevention of Pandemics." *Artificial Intelligence review journal*, Springer, (Communicated), Indexed in SCI, Impact Factor - 5.747.
- Dheeraj Kumar, Sandeep K. Sood, Keshav S. Rawat, "A Scientometric Analysis on ICT-Assisted solutions to control Common Airborne diseases." *computer science review*, Elsevier, (Communicated), Indexed in SCI, Impact Factor - 7.707.





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**3. Teaching Assistantship:**

S.No.	Course	Course code	Credits Claimed
1.	E-Governance, E-Business & E-learning	CSI 506	2 credits

**Declaration:**

I hereby declare that the information furnished above is true to the best of my knowledge.

*Dhoostry Kumar*

Signature of Student

**Members of Research Advisory Committee (RAC)**

(RAC Coordinator)

*K.S. Rawat*  
Dr. Keshav Singh Rawat  
(Supervisor)

*Mulhan*  
Dr. Mahesh Kulharia  
(Subject Expert)

*Shivarama Rao K.*  
Dr. Shivarama Rao K.  
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*Rakesh Kumar*  
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## Research Progress Report in respect of RAC (Research Advisory Committee) meeting for the period of Jan 2021-June2021

Programme of study : Ph.D.

Name : Girish Sharma

Roll No./ Registration No:CUHP20RDSCS02

Department: Computer Science and Informatics

E-Mail: [systemsanalyst@hpcu.ac.in](mailto:systemsanalyst@hpcu.ac.in)

Date of Enrolment: 01 August, 2020

### 1. Conferences/Workshops/Webinars :

Participated in **International Conference on Innovations in Smart Technology, Advanced Materials and Communication Engineering (ISTAMCE 2021)** held on **09<sup>th</sup> June 2021** at Amity School of Engineering and Technology, Amity University Madhya Pradesh, Gwalior.

### 2. Papers Published in SCI Journals:

- Girish Sharma, Sandeep Kumar Sood, Keshav Singh Rawat, "3D Printing Technologies from Infancy to Recent Times: A Scientometric Review " major revision submitted to **IEEE Transactions on Engineering Management**, Impact Factor – 6.146.

### 3. Academic Progress

Performing Teaching Assistantship with Dr. Keshav Singh Rawat for the given course

S.No	Courses	Course Code	Credit Claimed
1	Data Structures	MCA-C7	2 Credits

Declaration:



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Research Progress Report in respect of RAC (Research Advisory Committee) meeting held on 19/07/2021 for the period of January 2021 - July 2021

Programme of study: Ph.D.

Name: Manoj Dhiman

Roll No./ Registration No: CUHP20RDCS03

Department: Department of Computer Science and Informatics

E-Mail: [manojdhiman.it@gmail.com](mailto:manojdhiman.it@gmail.com), [manojdhiman.it@hpcu.ac.in](mailto:manojdhiman.it@hpcu.ac.in)

Date of Enrolment: 06 August 2020

**Work Ongoing:**

- I am currently working on literature review of research paper & data set of ICT based Healthcare Management.

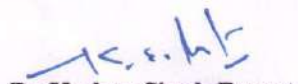
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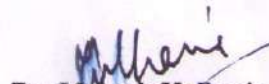
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