



**Internship**  
on



# Applications of Deep Learning To Health care

(Under the VRITIKA Scheme - A SERB initiative)

From 01 March 2024 - 31 March 2024

Funded By

Science and Engineering Research Board (SERB),  
Department of Science and Technology, Government of India

Under Accelerate Vigyan Scheme

Maximum No. of Interns : 05



Organized by

Department of Computer Science and Information Technology (CSIT)

Guru Ghasidas Vishwavidyalaya, Bilaspur, Chhattisgarh

# INTERNSHIP DETAILS

## About the Department

The Department of Computer Science & Information Technology (CSIT) started in the year 1990, with one year P.G. Diploma course (PGDCA). It was followed by - M.Sc.(CS) in 1996. Subsequently MCA course approved by the AICTE, New Delhi was introduced in the year 1998. Currently two UG courses, BSc.(CS) and BCA (self financing) are also offered in the department. The Dept. is also offering PhD(CS) since 1999.

## Objective of The Workshop

To familiarize the students about the health care research problems. To do literature review and find out research gaps in health care problems To enable the students to learn about how to solve these problems using deep learning techniques To design and develop deep learning methods for heart disease detection using ECG signals To design and develop deep learning methods for early detection of Parkinson disease using MRI data To develop IOT based healthcare monitoring systems This internship program will provide the opportunity for the interested students to work in this research based area..

## Who Can Attend

Interested PG students having first class in computer Science are eligible to apply.

Priority Will Be Given to Students Having Good Knowledge of Python & Deep Learning

**There Is No Registration Fees**

## Terms and Condition

- The supervisor to whom the interns are assigned would be assigning them tasks/ assignments as per the research modules designed.
- The intern should work accordingly and prepare a work report to be submitted after completion of the internship. Interns not completing the work within the requisite period will not be issued any certificate The IPR of the research work will be reserved by the institute which cannot be used by the intern without permission of the concerned authority. The intern should abide by the rules and regulations of the institution and laboratory protocols.

## Nature of Support

- **Registration is Free**
- The internship will be given for meeting daily necessary expenses such as stationery, consumables, accommodation, food, etc.
- The participating students will also be eligible for TA reimbursement for their journey to the host institute from their hometown/home institute, both ways, as per Gol norms.
- No stipend will be provided for the internship.
- Certificate will be provided to the interns after the successful completion of the internship tenure

## Important Dates

**Registration Opens**

05/02/2024

**Last Date for Application**

25/02/2024

**Display of short-listed candidates**

26/02/2024

Candidates will be short-listed on the basis of their Academic Performance

**Registration Link**

[CLICK HERE](#)

# Advisory Committee



**Chief Patron**

**Prof. Alok Chakrawal**

Hon'ble Vice - Chancellor

Guru Ghasidas Vishwavidyalya,  
Bilaspur (C.G)



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Guru Ghasidas Vishwavidyalya,  
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**HOD CSIT**

**Prof. A.K. Saxena**

Head of Department of CSIT

Guru Ghasidas Vishwavidyalya,  
Bilaspur (C.G.)



**Event Organizer**

**Dr. Babita Majhi**

Associate Professor

Dept. of Computer Science and Information Technology  
Guru Ghasidas, Vishwavidyalya, Bilaspur Chhattisgarh

Mobile No.: 9098715203

Email: babita.majhi@gmail.com

❖ For any query, please contact the event organizer **Dr. Babita Majhi**

**Endorsement cum No Objection Certificate from the Head of the Department/  
Thesis Supervisor**

(To be given on University/ Institute/ College Letter head)

**This is to certify that:**

1. Mr. / Ms. / Mrs. \_\_\_\_\_, is a bonafide student of our University / Institute / College and will assume full responsibility for actively participating in the Internship titled “**Applications Of deep learning To Health Care**” organized by Guru Ghasidas Vishwavidyalaya, Bilaspur, Chhattisgarh and sponsored by SERB-DST under the Accelerate Vigyan Scheme, scheduled from 1<sup>st</sup> March-31<sup>st</sup> March 2024.
2. The Applicant is a Full-time / part-time student of our University/ Institute/ College and enrolled in M.Tech/M.Sc./MCA/PhD Programme in \_\_\_\_\_ Department.
3. The candidate has secured \_\_\_\_\_% / CGPA / CPI till date (if applicable).
4. The University / Institute / College also endorse the conduct of the applicant to be of highest order who bears a good moral character.
5. The University / Institute / College have “No-Objection” for the candidate participation during the above said period.
6. The candidate, if selected for participation, shall be duly permitted to attend the Internship in **Physical mode**.

Signature and Seal with name  
(Head of the Department/ Thesis Supervisor)

Date:  
Place:

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Chhattisgarh**

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**Undertaken to be submitted by Student**

1. I hereby provide my consent to participate in the Internship titled “**Applications of deep learning to health care** ” organized by, Guru Ghasidas Vishwavidyalaya, Bilaspur, Chhattisgarh and sponsored by SERB-DST under the Accelerate Vigyan Scheme, scheduled from 1 March- 31 March 2024.
2. I will participate in the intership whole-heartedly and sincerely with utmost dedication.
3. I shall also be responsible for lab instruments and Lab devices.
4. I am aware that it is mandatory to present daily in the university during internship.
5. I understand that the videos and lecture material supplied during this workshop are only for educational/academic purpose.
6. Any Proxy participation in the sessions/exam shall invite immediate cancellation of his/her candidature and same shall be reported to parent institution.
7. I agree to abide by any other terms and conditions of Organizing Institute and DST-SERB.

**Name of the Applicant :**

**Gender & Age :**

**Programme (Ph.D. /M Tech) :**

**Institution/University :**

**Date :**

**Place :**

**Signature of the Applicant**