



क. 71 / अका. / शोध / CSIT / 2025

बिलासपुर, दिनांक 07 APR 2025

प्रति,

Vinita Saraf (शोधार्थी)
Department of CSIT
Guru Ghasidas Vishwavidyalaya
Bilaspur (C.G.)

विषय:- यू.जी.सी. (एम.फिल./पीएच.डी. उपाधि के लिए न्यूनतम मानक एवं प्रक्रिया) विनियम, 2022 के प्रावधानानुसार पीएचडी उपाधि के लिए पंजीयन।

विभागीय शोध समिति की बैठक दिनांक 24.01.2025 में लिए गये निर्णय के परिप्रेक्ष्य में शोध कार्य हेतु विभाग - CSIT, विद्यापीठ - गणितीय और संगणक विज्ञान में आपका पंजीयन सक्षम संस्तुति उपरान्त निम्नानुसार किया जाता है:-

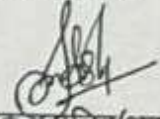
शोध का विषय शीर्षक		शोध निर्देशक	
IMAGE INPAINTING FOR COLORIZATION AND IDENTIFICATION OF DISEASES FROM MEDICAL IMAGES		Dr. Ratnesh Prasad Srivastava, Associate Professor, Department of Computer Science & Information Technology, Guru Ghasidas Vishwavidyalaya Bilaspur (C.G.)	
इमेज इनपेंटिंग फॉर कलराइजेसन एंड आइडेंटिफिकेशन ऑफ डिजीजेस फ्रॉम मेडिकल इमेजेस			
शोध केन्द्र	पंजीयन क्रमांक	पंजीयन तिथि	नामांकन क्रमांक
Department of CSIT, Guru Ghasidas Vishwavidyalaya Bilaspur (C.G.)	235253605	24-01-2025	GGV/19/5155

- आप यू.जी.सी. (एम.फिल./पीएच.डी. उपाधि के लिए न्यूनतम मानक एवं प्रक्रिया) विनियम, 2022 के प्रावधानों एवं विश्वविद्यालय शोध अध्यादेश एवं विनियम में उल्लिखित नियमों के अनुसार पीएच.डी. शोध कार्य करेंगे। विश्वविद्यालय शोध विनियम 2023 के नियमन R11 के अनुसार शोध पंजीयन तिथि से प्रति छःमाही प्रगति प्रतिवेदन एवं उपस्थिति का लेखा शोध निर्देशक/ RAC द्वारा अनुशंसित एवं DRC/Dean के संस्तुति / अनुमोदन के पश्चात जमा करना होगा। यदि निरंतर दो सेमेस्टर प्रतिवेदन असंतोष जनक पाये गये अथवा एक वर्ष तक प्रगति प्रतिवेदन प्राप्त नहीं हुआ तो शोध-पंजीयन स्वयमेव निरस्त हो जायेगा। शोध ग्रन्थ प्रस्तुत करने की तिथि से लगभग एक माह पूर्व 3 प्रतियों में शोध ग्रन्थ का सार संक्षेप (समरी) शोध निर्देशक के माध्यम से प्रस्तुत करना अनिवार्य है।

कमशः

2. यह पंजीयन प्रवेश तिथि से छः वर्ष तक जीवित रहेगा तथा प्रवेश तिथि से छःवर्ष के भीतर शोधार्थी द्वारा शोध ग्रंथ जमा नहीं करने पर पंजीयन छःवर्ष उपरांत स्वतः निरस्त हो जायेगा। शोध पंजीयन अवधि में वृद्धि विश्वविद्यालय शोध विनियम 2023 के नियमन R.04 के अधीन रहेगा।
3. शोध ग्रंथ प्रस्तुतीकरण/प्रोसेसिंग शुल्क रुपये 10,000/- (परिवर्तनीय) विश्वविद्यालय कक्ष में चालान के द्वारा देय होगा।
4. शोध विनियम के प्रावधानानुसार शोधार्थी को निर्धारित समयावधि में शोध ग्रंथ प्रस्तुत करना होगा। छः माही प्रगति प्रतिवेदन एवं शोध ग्रंथ जमा करना शोधार्थी की व्यक्तिगत जिम्मेदारी होगी विश्वविद्यालय द्वारा इस संबंध में स्मरण नहीं कराया जायेगा।
5. शोधार्थी का पंजीयन एवं शोध कार्य विश्वविद्यालय के शोध विनियम-2023 के अधीन होगा। अतः शोधार्थी को यह सलाह दी जाती है कि विश्वविद्यालय शोध विनियम-2023 के प्रावधानों का भली-भांति अध्ययन कर लेवे।

आदेशानुसार,



सहा. कुलसचिव(अका.)

कमांक 72 / अका0 / शोध / CSIT / 2025

बिलासपुर, दिनांक 07 APR 2025

प्रतिलिपि:-

1. शोध निर्देशक Dr. Ratnesh Prasad Srivastava, Associate Professor, Department of Computer Science & Information Technology, Guru Ghasidas Vishwavidyalaya Bilaspur (C.G.) को इस निवेदन के साथ प्रेषित है कि वे ऊपर लिखित शोध अध्यादेश/ विनियम के प्रावधानानुसार संलग्न प्रारूप में शोध छात्र का प्रत्येक सेमेस्टर छःमाही प्रगति प्रतिवेदन विश्वविद्यालय को अनिवार्य रूप से प्रेषित करें। विश्वविद्यालय द्वारा इस संबंध में अलग से पत्र व्यवहार नहीं किया जायेगा।
2. विभागाध्यक्ष, CSIT, गुरु घासीदास विश्वविद्यालय, बिलासपुर छ0ग0 की ओर सूचनार्थ।
3. सहायक कुलसचिव, गोपनीय शाखा गुरु घासीदास विश्वविद्यालय, बिलासपुर की ओर सूचनार्थ।
4. ग्रंथपाल, केन्द्रीय ग्रंथालय, गुरु घासीदास विश्वविद्यालय, बिलासपुर को सूचनार्थ।
5. समन्वयक आईटी सेल, गुरु घासीदास विश्वविद्यालय, बिलासपुर की ओर वेब पोर्टल पर अपलोड किए गए सूची में शामिल करने हेतु प्रेषित।
6. संबंधित नस्ती प्रति।



सहा. कुलसचिव(अका.)

गुरु घासीदास विश्वविद्यालय,

बिलासपुर(छ.ग.)



Department of Computer Science & Information Technology
School of Mathematical and Computational Sciences
Guru Ghasidas Vishwavidyalaya Bilaspur - 495009 (C.G.)
NAAC Accredited A++

(A Central University established by the Central Universities Act. 2009 No. 25 of 2009)

No. 955 /CSIT/2026

Bilaspur, Dated: 20/02/2026

Minutes of DRC Meeting held on 18-02-2026

The DRC meeting was held in the Department of the CSIT on 18-02-2026. The following members of the DRC were present in the meeting:

1. Dr. Pushpalata Pujari: Chairman, DRC and Member
2. Prof. Sudhakar Pandey: External Member (Joined Online)
3. Prof. A.K. Saxena: Member
4. Dr. Shrabanti Mandal: Member
5. Dr. Vikas Kumar Pandey: Member
6. Dr Vineet Kumar Awasthi: Member

In the meeting, the following agenda items were placed:

Agenda 1: To consider the presentations of the second six monthly progress reports of the PhD Scholars.

The following research scholars admitted in session 2023-24 presented their progress reports :

(1) Alkshya Pandey (2) Bharat Bhushan Mahilane (3) Payal Sahu (4) Swapnil Kumar Sahu (5) Vinita Saraf (6) Aditi Gopal (7) Manishankar (8) Praksh Kumar Tripathi (9) Rahul Kumar

Resolution: The presentations and the progress reports of the above-mentioned scholars were reviewed by the DRC members and found to be satisfactory.

Agenda 2: To consider the Pre PhD submission seminar of the scholars.

The following research scholars presented their pre-PhD submission Seminar:

(i) Himanshu Sahu (ii) Hema Vastralkar

Resolution: As per the recommendations of respective supervisors of scholars Himanshu Sahu and Hema Vastralkar, DRC members approved the pre submission presentation of research scholars Himanshu Sahu and Hema Vastralkar, and recommended to submit thesis as per Ph.D. regulation of GGV, Bilaspur.

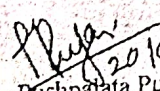
Agenda 3: Any other subject related to DRC with the permission of the Chairman.

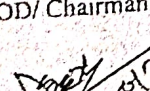
Agenda 3(i): To consider approval panel of external examiners for PhD thesis evaluation of Ph.D. scholars.

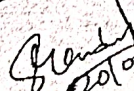
The panel of external examiners for PhD thesis evaluations of following research scholars:

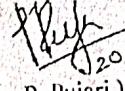
(1) Himanshu Sahu (2) Hema Vastralkar


Resolution: As per the recommendations of respective supervisors of scholars Himanshu Sahu and Hema Vastralkar, DRC approved the panel of external examiners for PhD thesis evaluation of research scholars Himanshu Sahu and Hema Vastralkar.

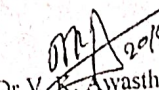

(Dr. Pushpalata Pujari)
HOD/ Chairman, DRC


(Prof. AK Saxena)
(member)


(Dr. S. Mandal)
(member)


(Dr. P. Pujari)
(member)


(Dr. V. K. Pandey)
(member)


(Dr. V. K. Awasthi)
(member)

(Joined online)
(Prof. Sudhakar Pandey)
External member

Gmail - DRC Minutes for your kind signature and approval

M Gmail

Santosh Majhi <smajhi.csit@gmail.com>

DRC Minutes for your kind signature and approval

Dr. Sudhakar Pandey <spandey.it@nitrr.ac.in>
To: Santosh Majhi <smajhi.csit@gmail.com>

5 March 2026 at 17:56

Dear sir
I hereby approved the attached MoM.
Please proceed further.

डॉ. सुधाकर पाण्डेय / Dr. Sudhakar Pandey
प्रोफेसर / Professor
सूचना प्रौद्योगिकी विभाग / Department of IT
राष्ट्रीय प्रौद्योगिकी संस्थान रायपुर / National Institute of Technology Raipur,
Regional Coordinator RCI NIT Raipur for UBA 2.0
Member, National Level Executive Committee for UBA
Phone: +91-94076-27136, 7974763176

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Six-Monthly Progress Report

Subject: Computer Science

(Registration No. 235253605 date 24.01.2025)

Progress Report
GURU GHASIDAS VISHWAVIDYALAYA, BILASPUR (CG)

Six-monthly Progress Report of the research scholar's work done for the period from 25.07.2025 to 24.01.2026

1. Name of the Research Scholar : **Vinita Saraf**
2. Name of the Department : Department of Computer Science and Information Technology, School of Studies of Mathematical and Computational Science, GGV, Central University, Bilaspur
3. Name of the Supervisor : Dr. Ratnesh Prasad Srivastava
Associate Professor, Dept. of CSIT, GGV
4. Topic registered for Ph. D. degree : **IMAGE INPAINTING FOR COLORIZATION AND IDENTIFICATION OF DISEASES FROM MEDICAL IMAGES**
5. Number of days/duration/periods for which the candidate/research scholar was present in the department/research center (Please mention leaves availed also): **120 days (CL 02 days)**

Please see enclosures for:

1. Monthly attendance record of the Scholar
2. Work done by the Scholar during the reporting period
3. Fee Receipt of academic session. **2025-26**

Vinita Saraf
(Vinita Saraf)

Signature of the Research Scholar

Remarks of the Research Supervisor and Signature

..... *Satisfactory*

Remarks of the DRC

.....

[Signature]
DRC Chairman,
Dr. Pushpalata Pujari
HOD, Department of CSIT
GGU, Bilaspur (CG)

DRC External Member
Prof. Sudhakar Pandey
HOD, Department of IT
NIT, Raipur (CG)

DRC Members.

1. *[Signature]* 2. *[Signature]* 3. *[Signature]* 4. *[Signature]* 5. *[Signature]*

ATTENDANCE RECORD

(25.07.2025 to 24.01.2026)

1. Name of the Research Scholar : Vinita Saraf
2. Name of the Course : Ph.D.
3. Name of Supervisor : Dr. Ratnesh Prasad Srivastava
(Associate Professor, CSIT Department)
4. Research center : CSIT Department, Guru Ghasidas Vishwavidyalaya,
Bilaspur (C.G)
5. Topic registered for Ph. D. : **IMAGE INPAINTING FOR COLORIZATION AND
IDENTIFICATION OF DISEASES FROM MEDICAL
IMAGES**
6. Date of Registration : 24.01.2025
7. Registration Number : 235253605
8. Enrollment Number : GGV/19/5155

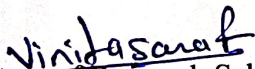
S.No.	Month	Working Days	Holidays	Presence	Sanctioned Leaves	Leave without Payment	Total
1.	July-2025	05	00	05	00	00	10
2.	Aug-2025	19	02	17	02	00	40
3.	Sep-2025	21	01	21	00	00	43
4.	Oct-2025	19	04	19	00	00	42
5.	Nov-2025	19	01	19	00	00	39
6.	Dec-2025	22	01	22	00	00	45
7.	Jan-2025	17	00	17	00	00	34
Total		122	09	120	02	00	253

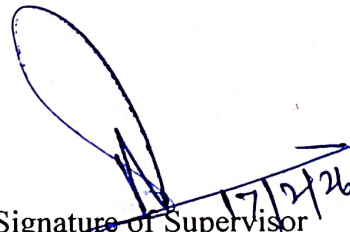
Total Working Days : 122

Total Presence : 120

Total Leave Sanctioned : 02

Total Absence (LWP) : Nil


Signature of Research Scholar
(Vinita Saraf)


Signature of Supervisor
(Dr. Ratnesh Prasad Srivastava)

Progress Report

Guru Ghasidas Vishwavidyalaya, Bilaspur (CG)

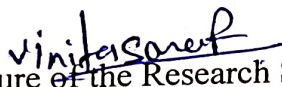
Six-monthly Progress Report of the research scholar work done for the period from
25.07.2025 to 24.01.2026

1. Name of the Research Scholar : Vinita Saraf
2. Name of the Department : Department of CSIT
3. Name of the Supervisor : Dr. Ratnesh Prasad Srivastava
4. Topic registered for Ph. D. degree : **IMAGE INPAINTING FOR COLORIZATION AND IDENTIFICATION OF DISEASES FROM MEDICAL IMAGES**
5. Number of days/duration/periods for which the candidate/research scholar was present in the department/research center.

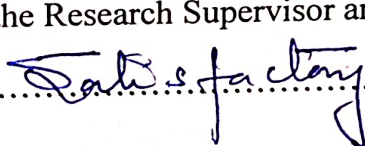
.....120days.....

(Please mention leaves availed also)

.....02days

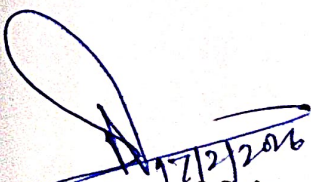

Signature of the Research Scholar


Remarks of the Research Supervisor and Signature


Satisfactory 25/1/26

Remarks of the RAC

Satisfactory

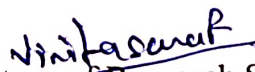

Dr. Ratnesh Prasad Srivastava
(Convener)


Prof. A. K. Saxena
(RAC Member)



Dr. Santosh Ku. Majhi
(RAC Member)

Six-Monthly Progress Report
(25.07.2025 to 24.01.2026)

1. "Automated Detection of Kidney Stones in X-ray Images Using YOLO-Based Deep Learning Models" (Accepted in ICMSCI International Conference)
2. "Lungs Disease Detection and Radiology Report Generation from Chest X-rays Using YOLOv8 and GPT-2 Model "(Communicated in International Journal of Medical Information, SCIE Journal)
3. "Automated Tuberculosis Detection Using YOLOv9-E and Bio-GPT: A Deep Learning Framework for Computer-Aided Diagnosis and Medical Report Generation" (Communicated in Computerized Medical Imaging and Graphics, SCI Journal)
4. Designed and implemented an end-to-end tuberculosis lesion detection system using the YOLOv9-E architecture, with emphasis on accurate lesion localization, confidence-based prediction analysis, and Grad-CAM-based explainability for improved interpretability.


Signature of Research Scholar


(Vinita Saraf)
(Registration No. 235253605, Date 24.01.2025)


Signature of Supervisor

(Dr. Ratnesh Prasad Srivastava)



Guru Ghasidas Vishwavidyalaya

 बैंक ऑफ़ बड़ौदा
Bank of Baroda

Payment Receipt

Receipt : 114307424964

Date : 2026-02-17 11:36:05

Payer Details

Name : Vinita saraf
Father Name : Sanjay Saraf
Fee Description : 4th semester
Mobile No : 9589999033
Email ID : vinitasarafphd@gmail.com

Fees Details

Amount to Pay : 12950

Payment Details

Order ID : 6816563
Tracking ID : 114307424964
Currency : INR
Payment Mode : Unified Payments
Card Name : UPI
Order Status : Success
Payment status : Success

Total Amount : 12950

Vinita Saraf

Format of Application for Admission to Ph.D. Programme after Completion of Course Work



1. Name of student : Vinita Saraf
2. Father's name : Sanjay Saraf
3. Mother's name : Kalpana Saraf
4. Date of Birth : 24-08-1998
5. Educational Qualifications (starting from Secondary school exam/high school)

S.N.	Exam passed/ Degree obtained	Board/University	Year	Division/Grade
	10 th	C.B board	2014	Second division.
	12 th	C.U board	2016	Third division
	B.C.A	ABVU university	2019	first division
	M.C.A	GGU Bilaspur	2022	first division

6. Category (Eligible in): OBC VRET/VRET Exempted: VRET
7. Classification: (Full time/ Part time): full time
8. Merit Position in VRET: 7th Position
9. Category (GEN/SC/ST/OBC/PWD/EWS): OBC
10. Date of application :
11. Broad Area : Machine Learning & Deep Learning

12. Topic/Title of research, if approved :

IMAGE INPAINTING FOR COLORIZATION AND IDENTIFICATION OF DISEASES FROM MEDICAL IMAGES

13. If employed, place of work : NA
14. Address, Phone Nos. E-Mail : Gondpara Subhash Nagar in front of Maya dubey Nursing home bilaspur, 495002, 9589999033, vinita.saraf2814@gmail.com
16. Application fee details : (Paid/Due) 17,450. Rs. Amount
17. Date of Completion of Pre Ph. D. Course Work: (Attached marksheet/grade card)
17-12-2024
18. Enrolment / Migration certificate details, whichever applicable

ENROLLMENT NO. - GGU/19/5155

Vinita Saraf
Signature of student

Date:

23/11/25

Head of the Department
with Seal Counter-signature

HEAD
DEPT. OF CSIT.
GGV, BILASPUR (C.G.)

Format of Approval of Supervisor's for a Candidate

- 1. Name of student : Vinita Saraf
- 2. Father's name : Sanjay Saraf
- 3. Mother's name : Kalpna Saraf
- 4. Date of Birth : 24-08-1998
- 5. a. Broad area and Sub area of research plan :

Machine Learning & Deep Learning


b. Topic/Title specific, if any- IMAGE INPAINTING FOR COLORIZATION AND IDENTIFICATION OF DISEASES FROM MEDICAL IMAGES

6. Supervisor's name/s with No.(s) : Dr. Ratnesh Prasad Srivastava

7. Broad Area and Sub area of Specialization of Supervisor(s):

8. Name of members of RAC:

- 1. Dr. Ratnesh Prasad Srivastava (Research Supervisor)
- 2. Prof. A.K. Saxena (Professor)
- 3. Dr. Santosh Kumar Majhi (Associate professor)


(Signature of Supervisors) 22/11/25

Chairman DRC
(Name and Sign)


24/11/25

Member (s) DRC
(Name and Sign)

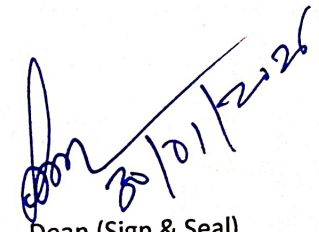
- 1. Sushma
- 2. 24/11/25
- 3. [Signature]
- 4. [Signature]
- 5. [Signature]

Date

(For office use)

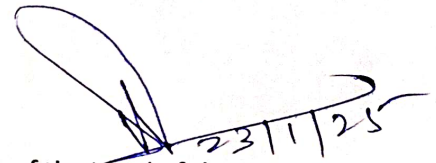
Approved / Queries to be furnished

Date


Dean (Sign & Seal)
Dean
School of Studies in
Mathematical & Computational Science
Guru Ghosidas Vihar,
Bilaspur (C.O.)

Pre. Ph. D. COURSE WORK COMPLETION CERTIFICATE

This is to certify that Sri/Km./Smt Vinita Saraf, a bonafide research scholar of this department, has satisfactorily completed the course work requirement which is a part of his/her Ph. D. programme.



(Signature of the Head of the Department)

HEAD

DEPT. OF CSIT.

GGV, BILASPUR (C.G.)

Date: 23-01-2025

Place: Bilaspur



Guru Ghasidas Vishwavidyalaya

Payment Receipt



Receipt : 113188845820

Date : 2024-02-22 13:36:38

Payer Details

Name : Vinita saraf
Father Name : Sanjay saraf
Fee Description : Pre ph.D course work fee
Mobile No : 9589999033
Email ID : vinitasaraf2814@gmail.com

Fees Details

Amount to Pay : 15450

Payment Details

Order ID : 2915414
Tracking ID : 113188845820
Currency : INR
Payment Mode : Unified Payments
Card Name : UPI
Order Status : Success
Payment status : Success

Total Amount : 15450

Vinita saraf



Guru Ghasidas
Vishwavidyalaya

Payment Receipt

 बैंक ऑफ़ बड़ौदा
Bank of Baroda

Receipt : 113189911642

Date : 2024-02-23 12:22:53

Payer Details

Name : Vinita saraf
Father Name : Sanjay saraf
Fee Description : Pre ph.D fee
Mobile No : 9589999033
Email ID : vinitasaraf2814@gmail.com

Fees Details

Amount to Pay : 2000

Payment Details

Order ID : 2920225
Tracking ID : 113189911642
Currency : INR
Payment Mode : Unified Payments
Card Name : UPI
Order Status : Success
Payment status : Success

Total Amount : 2000

Vinita saraf

GURUGHASIDAS VISHWAVIDYALAYA
 TABULATION CHART FOR PRE PHD COURSE WORK IN COMPUTER SCIENCE
 SCHOOL OF STUDIES OF MATHEMATICAL AND COMPUTATIONAL SCIENCE

ACADEMIC YEAR: 2023-2024

ROLL NO. : 23073106

NAME OF THE STUDENT : Ms. VINITA SARAF
 FATHER'S NAME : Mr. SANJAY SARAF
 MOTHER'S NAME : Mrs. KALPANA SARAF
 CATEGORY : OBC
 GENDER : Female

ENROLLMENT NO. : GGV/19/5155
 STATUS : REGULAR

SUBJECT CODE	NAME	END SEMESTER EXAMINATION		MARKS OBTAINED			QUALIFIED
		TOTAL MARKS	CR	GR PT	CR PT	GR	
PHDCS01	FUNDAMENTALS OF RESEARCH IN SCIENCE	60	60	4.00	6.00	24.00	B
PHDCS08	SEMINAR	65	65	4.00	7.00	28.00	B+
PHDCS03	PATTERN RECOGNITION	80	80	4.00	8.00	32.00	A
PHDCS06	DESIGN PATTERNS AND FRAMEWORKS FOR SOFTWARE ENGINEERING						
			12.00			84.00	

PASS

CP: 84.00 (12.00)
 CGPA: 7.00
 MARKS: 205 / 300
 TWO HUNDRED FIVE OUT OF THREE HUNDRED
 CGPA: 7.00

**IMAGE INPAINTING FOR COLORIZATION
AND IDENTIFICATION OF DISEASES FROM MEDICAL IMAGES**

A

Synopsis

Submitted to the

GURU GHASIDAS VISHWAVIDYALAYA, BILASPUR (C.G.)
(A Central University established by the Central Universities Act 2009 No. 25 of 2009)



For the Degree

of

Doctor of Philosophy (Ph.D.) in Computer Science

by

Vinita Saraf

Department of Computer Science & Information Technology

Roll no: 23073106

Enrollment No: GGV/19/5155

Under the Guidance

of

Dr. Ratnesh Prasad Srivastava

Associate Professor

**DEPARTMENT OF COMPUTER SCIENCE & INFORMATION TECHNOLOGY
GURU GHASIDAS VISHWAVIDYALAYA,
KONI, BILASPUR (C.G)-495009.**

January ,2025

DECLARATION

Title of research proposal : IMAGE INPAINTING FOR COLORIZATION AND IDENTIFICATION OF DISEASES FROM MEDICAL IMAGE

Name of research scholar : Vinita Saraf

Roll Number : 23073106

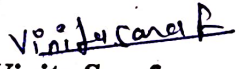
Subject : Computer Science

Name and Designation of Supervisor: : Dr. Ratnesh Prasad Srivastava
Associate Professor, Department of Computer Science & Information Technology, Guru Ghasidas Central University, Koni Bilaspur (C.G) Pin- 495009

Research Work Place : Department of Computer Science and Information Technology, Guru Ghasidas Central University, Koni Bilaspur (C.G) Pin- 495009

Date : 23-01-2025



23/11/25
Dr. Ratnesh Prasad Srivastava
Supervisor



Vinita Saraf
(Research Scholar)
Roll No.- 230730106
Enrollment No.- GGV/19/5155

RAC Members:


1. Dr. Ratnesh Prasad Srivastava (Supervisor)

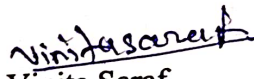
2. Prof. A.K Saxena 

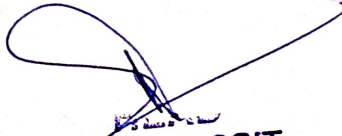
3. Dr. Santosh Kumar Majhi 


23/11/25
Chairman DRC/HOD
Name- **Dr. Ratnesh Prasad Srivastava**
Signature-

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Dr. Ratnesn Prasad Srivastava
Supervisor


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