

UNIVERSITY  
GWALIOR • MP • INDIA

“CELEBRATING DREAMS”

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# PhD (Engineering, Agriculture, Sciences, Pharmacy & Management)

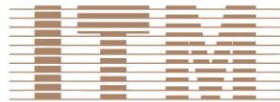
## CRITERIA 1

**Percentage of students undertaking  
projects**

**Academic Year 2023-2024**



**Dr. Omveer Singh**  
REGISTRAR  
ITM University  
Gwalior (M.P.)



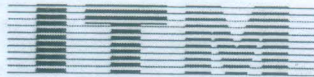
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## Index

Year	School	No. of Students Registered
2020 -21	SOET	11
	SOS	1
	SOM	10
	SOAG	6
<b>Total</b>		<b>28</b>

  
Dr. Omveer Singh  
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"CELEBRATING DREAMS"

**Classification of Lubrication Regime in Rolling Element Bearings using  
Vibro-Acoustic Signals**

A

SYNOPSIS

For the partial fulfillment of degree, of

**Doctor of Philosophy**

IN

Mechanical Engineering

Submitted by

Deepak Sharma

ITMPhd23ME02

Under the guidance of

Dr. Shashikant Pandey

**Assistant Professor**

School of Engineering & Technology

**ITM UNIVERSITY, GWALIOR**

  
Dr. Omveer Singh  
REGISTRAR  
ITM University  
Gwalior (M.P.)





## DECLARATION BY THE SUPERVISOR

This is to certify that the synopsis of the work **Classification of Lubrication Regime in Rolling Element Bearings using Vibro-Acoustic Signals** prepared by Deepak Sharma under my Guidance and supervision for the degree of Doctor of Philosophy of ITM University, Gwalior (M.P.) India.

I further declare that to the best of my knowledge and belief the synopsis does not contain any part of any work, which has been submitted for the award of any degree, either in this university or any other university without proper citation. The work is also up to the standards both in respect of contents and language.

*Shashikant*

Supervisor Name: **Dr. Shashikant Pandey**  
Designation: Assistant Professor

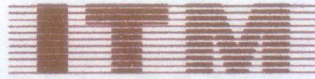
Date: 09/04/2024

Forwarded By:

*Kandarp*  
HOD

*Kandarp*  
Dean

*Omveer Singh*  
Dr. Omveer Singh  
REGISTRAR  
ITM University  
Gwalior (M.P.)



**UNIVERSITY**  
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"CELEBRATING DREAMS"

## **Effectiveness of Nature-Inspired Algorithms for the Health Care Data Mining**

A

### **SYNOPSIS**

For the partial fulfillment of degree of

**Doctor of Philosophy**

IN

**Discipline**

Submitted by

**Ms. Manali Singh**

**Roll No:ITMPHD23CS02**

Under the guidance of

**Dr. Vani Agarwal**

**Associate Professor**

**Dr. Jitendra Singh Kushwah**

**Associate Professor**

**School of Engineering & Technology**

**ITM UNIVERSITY, GWALIOR**

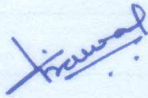
  
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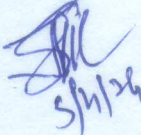


**DECLARATION BY THE SUPERVISOR**

This is to certify that the synopsis of the work entitled **Effectiveness of Nature-Inspired Algorithms for the Health Care Data Mining** is prepared by Manali Singh under my Guidance and supervision for the degree of Doctor of Philosophy of ITM University, Gwalior (M.P.) India.

I further declare that to the best of my knowledge and belief the synopsis does not contain any part of any work, which has been submitted for the award of any degree, either in this university or any other university without proper citation. The work is also up to the standards both in respect of contents and language.

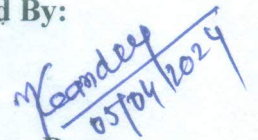
**Supervisor Name: Dr. Vani Agarwal**   
**Designation: Associate Professor, ITM University Gwalior**

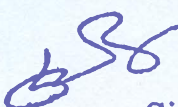
**Co-Supervisor Name: Dr. Jitendra Singh Kushwah**   
**Designation: Associate Professor, ITM Gwalior**

Date: 05.04.2024

**Forwarded By:**

  
**HOD**

  
**Dean**

  
**Dr. Omveer Singh**  
**REGISTRAR**  
**ITM University**  
**Gwalior (M.P.)**