

# SHRI MADHWA VADIRAJA INSTITUTE OF TECHNOLOGY AND MANAGEMENT

(A Unit of Shri Sode Vadiraja Mutt Education Trust<sup>®</sup>, Udupi)

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Vishwothama Nagar, Bantakal - 574115, Udupi District, Karnataka.



SMVITM

## Activity Request form

Academic Year	2022-2023		
Department/Section/ Committee/Cell	Computer Science and Engineering		
Name of the Activity	FDP on Healthcare Analytics		
Target Audience	Faculties of Engineering/Diploma/Degree colleges		
Activity Date(s)	09/01/2023 to 13/01/2023	Time	9.00 AM to 4.00 PM
Venue	SMVITM Admin Block Seminar Hall		
Resource Persons	Dr. Niranjana UC, Dr. Sneha Nayak, Mr. Abhishek S. Rao, Dr. Cipa Saldanha, Mr. Krishnaraj, Ms. Suparna Shetty		

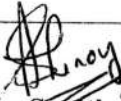
Expected expenditure		
S. No.	Description	Amount
1	Honorarium to Resource Persons	30000
2	TA/DA	10000
3	Food for 5 days	12000
4	Certificates, Mementos, Miscellaneous	8000
<b>Total</b>		60,000

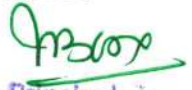
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Source of fund (Sponsorship/Registration fee)		
S. No.	Description	Amount
1	Registration Fees	12000
2.	Biomedical Engineering Society of India	10000
<b>Total</b>		22000

(Add rows if required)


Financial support required from the Institute / ISTE	10000/-
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09/12/2022  
Ms. Savitha Shenoy  
Event Coordinator

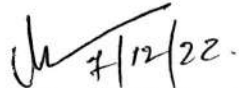
  
Principal

SHRI MADHWA VADIRAJA  
INSTITUTE OF TECHNOLOGY & MANAGEMENT  
Vishwothama Nagar, Udupi Dist.  
BANTAKAL - 574 115

Mr. Raghavendra Hegde  
ISTE Dept. Coordinator

  
06/12/2022  
Signature with date

S of J nu  
6/12/22  
Signature of the HoD

  
7/12/22  
Signature of the ISTE Coordinator

Remarks by IQAC

may be conducted

  
Signature

Remarks by Principal

Good initiative. Please proceed

  
Signature 7/12/2022

Instructions

Coordinators are requested to get the approval from the Principal at least one week before the activity.

**Name of the activity:**

- Invited Talk, Seminar, Workshop, Competitions
- Placement training programs to Students
- Placement drives
- FDP, EDP, Conference, staff development program
- First year Orientation day, Annual Day, Varnotsava, Graduation day, Sports day, games competitions, Avishkar, IIOT, Project Exhibition, Farewell Program
- Inauguration/Valedictory of Cell/Clubs
- Alumni meet, PTA meet
- College promotional activity, career guidance program

**Target Audience (with expected number of participants):**

Staff- Teaching or Non-teaching/ department

Students - Only registered students/compulsory

- Student details with class and departments

**Resource Person:** Name, Designation, Address and contact Number.

**Expected expenditure:** Includes Honorarium to resource person, TA/DA, Certificates, Food, Banner, Prize money etc.

For the department activity, coordinators are requested to get the approval from the concerned department Heads, and then submit it to IQAC.

  
Principal  
SHRI MADHWA VADIRAJA  
INSTITUTE OF TECHNOLOGY & MANAGEMENT  
Vishwothama Nagar, Udupi Dist.  
BANTAKAL - 574 115

## ABOUT THE INSTITUTION

Shri Madhwa Vadiraja Institute of Technology & Management (SMVITM), situated at Bantakal in Udupi district. The institute founded in the year 2010 by Shri Shri Vishwavallabha Theertha Swamiji of Shri Sode Vadiraja Mutt with the motto "Engineering your Career and Character with Care". Though SMVITM is the youngest institute in the region, its accomplishments are many. Accreditation with "A-Grade" by National Assessment and Accreditation Council (NAAC), accreditation to the undergraduate programs by the National Board of Accreditation (NBA) are the outstanding accomplishments of the institute in the recent years. The institute is well received by the general public for the excellent infrastructure, distinguished learner centric facilities and dedicated team of faculty and staff members.

## ABOUT THE DEPARTMENT

The department of Computer Science and Engineering is one among the much sought departments at SMVITM. The undergraduate program (B.E) offered by the department has been accredited by the National Board of Accreditation (NBA). The department has experienced and motivated faculty members contributing immensely to the overall development of the students. It is the custom of the department to host many national level events like Hackathons, National International conferences, IOT and other learner centric events / activities to nurture the talents of students. The department also engaged in mentoring the students, organizing career guidance and value added programs throughout the years. The research culture has been induced through various research activities with the support of qualified and experienced faculty members. The department has state-of-the-art laboratories and excellent library facilities to meet the academic needs of students.

## DEPARTMENT VISION

"To be recognized as a center of excellence in the field of Computer Science and Engineering imparting holistic education catering the needs of the society."

## DEPARTMENT MISSION

- Impart knowledge by providing a healthy learning environment
- Encourage the zeal to be updated in technology front and abide by ethical and moral values
- Engage in result oriented research and innovation to cater the societal needs

## ABOUT THE PROGRAMME

The faculty development program (FDP) is devoted to addressing the need of technological developments in Data Science and its allied fields. Artificial intelligence (AI) aims to mimic human cognitive functions and has brought a paradigm shift in Health Sciences. It is powered by the increasing availability of healthcare data and the rapid progress of analytical techniques. In the coming years, AI has the potential to lower healthcare costs, identify more effective treatments, facilitate early detection and prevention of diseases, assist and replace repetitive and labor-intensive tasks. This FDP empowers the participants to understand sources of data generation, forms of data and aims to discuss the sequence, structure and functions with new technologies. This workshop is intended to provide an insight on health technology applications in various fields with hands-on experience. The aim of this proposed FDP is to create an awareness on the usage of analytics and importance of security in the healthcare domain. This will help participants learn the phenomenal research challenges and gaps to be addressed in the healthcare domain.

Principal

SHRI MADHWA VADIRAJA

INSTITUTE OF TECHNOLOGY & MANAGEMENT



SMVITM

FIVE DAYS FACULTY DEVELOPMENT PROGRAMME

ON

**HEALTH CARE ANALYTICS**

**(09/01/2023 to 13/01/2023)**

Organized by

Department of

**Computer Science & Engineering**  
in association with

Biomedical Engineering Society of India  
and  
Indian Society for Technical Education



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Affiliated to VTU, Belagavi, Karnataka Vishwothama Nagar,  
Bantakal, Udupi - 574 115, Karnataka, India  
Website: [www.sode-edu.in](http://www.sode-edu.in) / Mobile: +91 96116 15001  
Tel: +91 74830 31199/ +91 74830 31200

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Vishwothama Nagar, Bantakal - 574115, Udupi District, Karnataka.



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## DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

FDP Inaugural Program: 09/01/2023 Timings: 9.30 AM to 10.30 AM Venue: Seminar Hall, Admin Block

09/01/23	Session 1 (10.45 AM-11.45AM) Medical Image Analysis	TEA BREAK	Session 2 (11.45 AM-1.00 PM) Medical Image Analysis	LUNCH BREAK	Session 3 (2.00 PM-4.00 PM) Machine Learning Basics to advanced.
10/01/23	Session 1 (9.30 AM-11.00 AM) Technology Trends in Health Care.		Session 2 (11.15 AM-1.00 PM) Sensor Based Drug Delivery with a Case Study		Session 3 (2.00 PM-4.00 PM) Covid-19 severity prediction using machine learning and explainable AI (Hands-on)
11/01/23	Session 1 (9.30 AM-11.00 AM) Interdisciplinary research prospects and funding opportunities		Session 2 (11.15 AM-1.00 PM) Data collection challenges and roadmap for paper writing		Session 3 (2.00 PM-4.00 PM) Data analytics and segmentation techniques
12/01/23	Virtual Mode( Project Discussions, Doubt Clearance Sesisons)				
13/01/23	Session 1 (9.30 AM-11.00 AM) Technology meet well-being		Session 2 (11.15 AM-12.15 PM) Demonstration of Tools used for Analytics		FDP Valedictory Program at 12.30 PM

*Arzoo*

Principal

SHRI MADHWA VADIRAJA  
INSTITUTE OF TECHNOLOGY & MANAGEMENT  
Vishwothama Nagar, Udupi Dist.  
BANTAKAL - 574 115

### Activity Report

Academic Year	2022-2023
Name of the Program	5 Days FDP on 'Healthcare Analytics' organised by Dept of CSE in association with ISTE and Biomedical Engineering Society of India
Date	09/01/2023 to 13/01/2023
Target Audience	Faculties, Research scholars / PG students
Resource Person	Dr. Niranjana U. C, Mr. Krishnaraj Chadaga, Dr. Cifha Saldhana, Mr. Abhishek Rao, Dr. Sneha Nayak, Mrs. Suparna Shetty
Number of Participants	20

The inaugural function of Five Days Faculty Development programme on "Health Care Analytics" organized by Department of Computer Science & Engineering of Shri Madhwa Vadiraja Institute of Technology and Management in association with Biomedical Engineering Society of India and Indian Society for Technical Education was held on 09th<sup>th</sup> January 2023.

The faculty development programme is devoted to address the need of technological developments in data science and its allied fields. The aim of this FDP is to create an awareness on the usage of analytics and importance of security in the healthcare domain.

Mr Somnath Jogi, Director, Kambala Solutions, Mangaluru was the chief Guest. He told that Learning is a continuous process and such faculty development programmes will help in improving the skillset. Such programmes have huge benefit as the knowledge acquired by the faculties can be imparted to the student fraternity.

Shri RathnaKumar, Secretary, Shri Sode Vadiraja Mutt Education Trust Udupi was the Guest of Honor. He told that there is engineering behind every medical research happening in the present. He also told that such FDP's not only enrich the minds of the faculty but also give them new horizons to work in and it should be done regularly.

  
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Dr Thirumaleshwar Bhat was the president of the event. He appreciated the efforts of the computer science Department for organizing FDP on Health Care which is the need of the present days. Dr Ganesh Aithal, Vice Principal SMVITM was also present on the occasion. Dr Soumya J Bhat, HOD, Department of Computer Science & Engineering welcomed the gathering.

Mr. Raghavendra I. Hegde, Department Coordinator of ISTE coordinated the event and introduced the Chief Guest. Mrs. Preethi M Assistant Professor from Department of Computer Science & Engineering proposed the vote of Thanks. Mrs. Savitha A Shenoy, Senior Assistant Professor from Department of Computer Science & Engineering was the master of Ceremony for the inaugural programme.

The morning session of Day 1 was conducted by Dr. U. C. Niranjana, President, Biomedical Engineering Society of India, on 9<sup>th</sup> Jan 2023 at CCIII, 3<sup>rd</sup> floor, Admin Block from 10.45 AM to 01.00 PM on 'Medical Image Analysis' using MedTech Processing Instruments. Dr. Niranjana gave the insight on biomedical instrumentation, image capturing and their representations in the form of VOXEL. He also gave the introduction on PACS architecture.

Afternoon session of Day 1 was conducted by Mr. Krishnaraj, who is a research scholar at MIT Manipal, from 2.00 PM to 4.00 PM on topic 'Machine Learning Basics to Advanced'. He Spoke about the application of machine learning in the health care field. He demonstrated the dataset extraction from Kaggle and gave the insights on data balancing and support vector machine.

Day 2 of 5 Days FDP was started at 9.30 AM at CCIII of Admin block on 10<sup>th</sup> Jan 2023. The session was on 'Technology trends in Healthcare', conducted by Dr. Cifha Saldanha, Senior Assistant Professor, Dept of Biomedical Engineering, MIT Manipal. She spoke about recent advances and area of research in Biomedical Engineering. She also explained about Bioinstrumentation and implants.

The afternoon session was on 'Covid 19 severity prediction using machine learning and explainable AI'. It was a hands on session and conducted by Mr. Krishnaraj Chadaga, Research scholar, MIT Manipal. He demonstrated how to load the datasets and run them with different algorithms. Accuracy levels were compared with graphs and different forms of charts.



Principal

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Third day of FDP was held on 11<sup>th</sup> Jan 2023 and the morning session was on 'Interdisciplinary research prospects and funding opportunities' and it was conducted by Dr. Sneha Nayak, Assistant Professor, Dept. of Biotechnology Engineering, NMAMIT Nitte. She gave the insights on collaborative work interdisciplinary projects and various funding opportunities for the same by Government and non government organizations.

The afternoon sessions were on 'Data collection challenges and roadmap for paper writing' and 'Data analytics and segmentation techniques'. Both the sessions were conducted by Mr. Abhishek Rao, Assistant professor, Department of Information Science and Engineering, NMAMIT, Nitte. He spoke about the real challenges faced by researcher especially while collecting the data samples. He the insights on research topic selection, feasibility and novelty.

The fourth day of FDP was conducted on virtual mode through Google meet on 12<sup>th</sup> Jan 2023. It was a Project discussion and doubt clearing session. Mr. Krishnaraj Chadaga, research scholar, MIT Manipal addressed the issues faced by participants while working on data sets, extracting the data sets from kaggle, selection of algorithm, analysing the confusion matrix, selection of median over mean value etc.

The Fifth day of FDP was conducted on 13<sup>th</sup> Jan. 2023. There were sessions on 'Technology meet well-being' followed by 'Demonstration of tools used for analytics'. Mrs. Suparna Shetty, Managing Director, Eterna Infotech was the resource person. She has got over 25 years of experience in IT industry in Australia and Asian countries and has exposer to medical, specially mental health analytics. She gave the idea on data visualization tool - Power BI (Business Intelligence). The session was ended by 12.15 PM.

Valedictory function was commenced at 12.30PM on 13<sup>th</sup> Jan 2023 at CC III, admin block and Prof. Dr. Ganesh Aithal, Vice Principal, SMVITM Udupi, addressed the gathering. He spoke about the importance of such sessions and appreciated and thanked all the resource persons and organizing committee of the event.

Principal

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Participants shared their valuable feedbacks. Certificates were distributed to participants by Mrs. Suparna Shetty, Managing Director - Eterna Infotech. HOD of Computer Science and Engineering Dr. Soumya J. Bhat was present during the event.

Mrs. Preeti M. was the master of ceremony for the valedictory function.

Dr. Thirumaleshwara Bhat - Principal, Dr. Ganesh Aithal - Vice Principal, Dr. Sudarshan Rao - Dean (IQAC) were the advisory committee members for this 5 days Faculty Development Program on 'Health Care Analytics'. Dr. Soumya J. Bhat - HOD, Dept. of CSE was the FDP Co-ordinator. Mrs. Savitha Shenoy, Mrs. Preeti M, Mr. Raghavendra I. Hegde - Assistant Professor(s), Dept. of CSE, Mrs. Gowri T. Bhat - Foreman, Dept. of CSE were the organizing committee members.

Principal

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**SMVITM**



Latitude	13.254613
Longitude	74.785038

Principal

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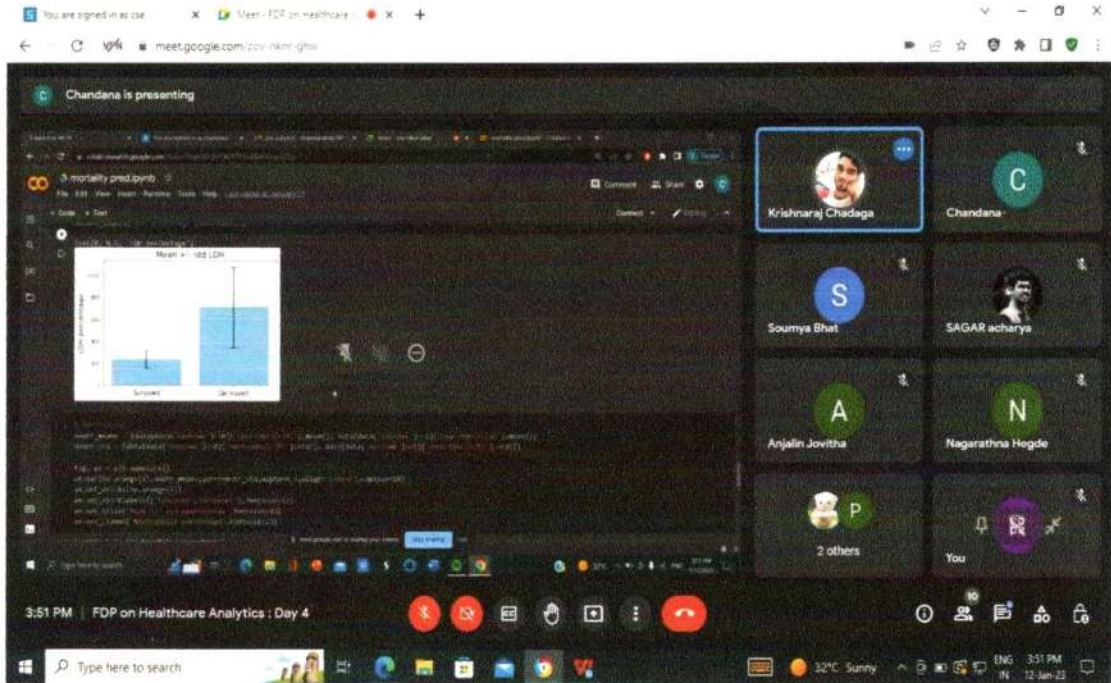
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Principal  
SHRI MADHWA VADIRAJA  
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BANTAKAL - 574 115

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Discussion through Google Meet

*Ansoy*  
Principal  
SHRI MADHVA VADIRAJA  
INSTITUTE OF TECHNOLOGY & MANAGEMENT  
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BANTAKAL - 574 115

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## Certificate of Participation

This is to Certify that Dr./Mr./Mrs. Raghavendra I. Hegde of SMVITM - Bantakal participated in the Five Day

Faculty Development Programme on "HEALTH CARE ANALYTICS" held at Shri Madhwa Vadiraja Institute of Technology and Management, Bantakal, Udupi from 09-01-2023 to 13-01-2023.

Soj J nu  
Dr. Soumya J Bhat  
FDP Convener

Thirumaleshwara Bhat  
Dr. Thirumaleshwara Bhat  
Principal

Thirumaleshwara Bhat  
Principal  
SHRI MADHWA VADIRAJA  
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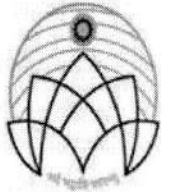
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## SMVITM

## DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

**Dr. Soumya J Bhat**

Associate Professor and Head

Ref: SMVITM/CS/2023/A08

10 January 2023

**Mr. Krishnaraj Chadaga**

Research Scholar

Dept of Computer Science and Engineering

Manipal Institute of Technology

MAHE, Manipal 576 104,

Karnataka, INDIA.

Dear Sir,

**Sub: Letter of Gratitude**

This is to place on record our sincere appreciation to **Mr. Krishnaraj Chadaga**, on being the resource person for the Faculty Development Program on **Health Care Analytics** and delivering a session on **"Machine Learning Basics to advance** on 9 January 2023 and a session on **"Covid-19 severity prediction using machine learning and explainable AI"** on 10 January 2023 for the benefit of the participants organized by the Department of Computer Science and Engineering in association with Biomedical Society of India and ISTE held from 09-13 January 2023 at the college premises.

We greatly appreciate the efforts put in by you to make the faculty development program a truly useful one. We look forward to your continued support and association in our future endeavors too.

With best regards

HOD CS

*Soumya J Bhat*  
Head

Dept of Comp. Science & Engg.  
SMVITM, BANTAKAL - 574115

*Amritha*  
Principal

SHRI MADHWA VADIRAJA  
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BANTAKAL - 574 115

Tel: +91 9611615001 | Ext: 213 | Web: <https://sode-edu.in/departments/computer-science-engineering/> | E-mail: [cs@sode-edu.in](mailto:cs@sode-edu.in)

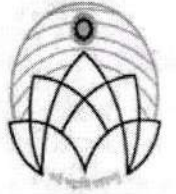
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## SMVITM

## DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

**Dr. Soumya J Bhat**

Associate Professor and Head

Ref: SMVITM/CS/2023/A04

09 January 2023

**Dr. Niranjan U.C**

President, Biomedical  
Engineering Society of India  
Dept. of BME, MIT  
Manipal 576 104,  
Karnataka, INDIA.

Dear Sir,

**Sub: Letter of Gratitude**

This is to place on record, our sincere appreciation to **Dr. Niranjan U.C**, on being the resource person for the Faculty Development Program on **Health Care Analytics** and delivering a session on **"Medical Image Analysis"** for the benefit of the participants on 09 January 2023 organized by, Department of Computer Science and Engineering in association with Biomedical Society of India and ISTE held from 09-13 January 2023 at the college premises.

We greatly appreciate the efforts put in by you to make the faculty development program a truly useful one. We look forward to your continued support and association in our future endeavors too.

With best regards

HOD CS

*Soumya J Bhat*  
Head

Dept of Comp. Science & Engg.  
SMVITM, BANTAKAL - 574115

Tel: +91 9611615001 | Ext: 213 | Web: <https://sode-edu.in/departments/computer-science-engineering/> | E-mail: [cs@sode-edu.in](mailto:cs@sode-edu.in)

*[Signature]*  
Principal  
SHRI MADHWA VADIRAJA  
INSTITUTE OF TECHNOLOGY & MANAGEMENT  
Vishwothama Nagar, Udupi Dist.  
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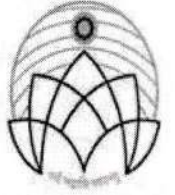
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## SMVITM

## DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

**Dr. Soumya J Bhat**

Associate Professor and Head

Ref: SMVITM/CS/2023/A09

13 January 2023

**Ms. Suparna Shetty**

Managing Director

Eterna Infotech

Industrial Estate, Manipal, 576104.

Karnataka, INDIA.

**Dear Madam,**

**Sub: Letter of Gratitude**

This is to place on record, our sincere appreciation to **Ms. Suparna Shetty**, on being the resource person for the Faculty Development Program on **Health Care Analytics** and delivering a session on "**Technology meet well-being**" for the benefit of the participants on 13 January 2023 organized by the Department of Computer Science and Engineering in association with Biomedical Society of India and ISTE held from 09 to 13 January 2023 at the college premises.

We greatly appreciate the efforts put in by you to make the faculty development program a truly useful one. We look forward to your continued support and association in our future endeavors too.

With best regards

**HOD CS**

*Soumya J Bhat*  
Head

Dept of Comp. Science & Engg.  
SMVITM, BANTAKAL - 574115

*Anscop*

Principal  
SHRI MADHWA VADIRAJA  
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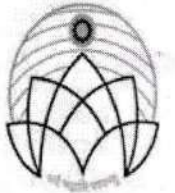
# SHRI MADHWA VADIRAJA INSTITUTE OF TECHNOLOGY AND MANAGEMENT

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Accredited by NBA / Accredited by NAAC with 'A' grade | Affiliated to VTU, Belagavi

Approved by AICTE, New Delhi & Recognized by Government of Karnataka.

Vishwothamanagar, Bantakal - 574 115, Udupi, Karnataka, India



## SMVITM

## DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

**Dr. Soumya J Bhat**

Associate Professor and Head

Ref: SMVITM/CS/2023/A07

11 January 2023

**Mr. Abhishek S Rao**

Assistant Professor (GD III)

Dept of Information Science and Engineering

NMAM Institute of Technology

Nitte (Deemed to be University)

Nitte, SH1, Karkala, Karnataka 574110

Dear Sir,

**Sub: Letter of Gratitude**

This is to place on record, our sincere appreciation to **Mr. Abhishek S Rao**, on being the resource person for the Faculty Development Program on **Health Care Analytics** and delivering a session on **"Data collection challenges and roadmap for paper writing" & "Data analytics and segmentation techniques"** for the benefit of the participants on 11 January 2023 organized by, Department of Computer Science and Engineering in association with Biomedical Society of India and ISTE held from 09-13 January 2023 at the college premises.

We greatly appreciate the efforts put in by you to make the faculty development program a truly useful one. We look forward to your continued support and association in our future endeavors too.

With best regards

HOD CS

*Soumya J Bhat*  
Head

Dept of Comp. Science & Engg.  
SMVITM, BANTAKAL - 574115

*Aravind*

Principal

SHRI MADHWA VADIRAJA

INSTITUTE OF TECHNOLOGY AND MANAGEMENT

Vishwothama Nagar, Udupi Dist.

BANTAKAL - 574 115



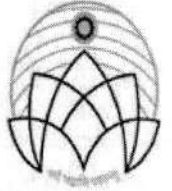
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## SMVITM

## DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

**Dr. Soumya J Bhat**

Associate Professor and Head

Ref: SMVITM/CS/2023/A06

11 January 2023

**Dr. Sneha Nayak**

Assistant Professor (GD III)

Dept of Biotechnology Engineering

NMAM Institute of Technology

Nitte (Deemed to be University)

Nitte, SH1, Karkala, Karnataka 574110

**Dear Madam,**

**Sub: Letter of Gratitude**

This is to place on record, our sincere appreciation to **Dr. Sneha Nayak**, on being the resource person for the Faculty Development Program on **Health Care Analytics** and delivering a session on **"Interdisciplinary research prospects and funding opportunities"** for the benefit of the participants on 11 January 2023 organized by, Department of Computer Science and Engineering in association with Biomedical Society of India and ISTE held from 09-13 January 2023 at the college premises.

We greatly appreciate the efforts put in by you to make the faculty development program a truly useful one. We look forward to your continued support and association in our future endeavors too.

With best regards

**HOD CS**

*Soumya J Bhat*  
Head

Dept of Comp. Science & Engg.  
SMVITM, BANTAKAL - 574115

*[Signature]*

Principal

SHRI MADHWA VADIRAJA  
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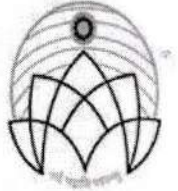
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## SMVITM

## DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

**Dr. Soumya J Bhat**

Associate Professor and Head

Ref: SMVITM/CS/2023/A05

10 January 2023

**Dr. Cifha Crecil Saldanha**

Assistant Professor (Sr)

Dept of Biomedical Engg

Manipal Institute of Technology

MAHE, Manipal 576 104,

Karnataka, INDIA.

**Dear Madam,**

**Sub: Letter of Gratitude**

This is to place on record, our sincere appreciation to **Dr. Cifha Crecil Saldanha**, on being the resource person for the Faculty Development Program on **Health Care Analytics** and delivering a session on **"TECHNOLOGY TRENDS IN HEALTH CARE: IMPLANTED SENSOR BASED DRUG DELIVERY WITH A CASE STUDY"** for the benefit of the participants on 10 January 2023 organized by the Department of Computer Science and Engineering in association with Biomedical Society of India and ISTE held from 09-13 January 2023 at the college premises.

We greatly appreciate the efforts put in by you to make the faculty development program a truly useful one. We look forward to your continued support and association in our future endeavors too.

With best regards

HOD CS

*Soumya J Bhat*  
Head

Dept of Comp. Science & Engg.  
SMVITM, BANTAKAL - 574115

*[Signature]*

Principal

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## ಬಂಟಕಲ್ ತಾಂತ್ರಿಕ ಕಾಲೇಜು: ಬೋಧನಾ ಅಭಿವೃದ್ಧಿ ಕಾರ್ಯಾಗಾರ



**ತಿರ್ಪ. ಅ. 10:** ಬಯೋಮೆಡಿಕಲ್ ಎಂಜಿನಿಯರಿಂಗ್ ಸೊಸೈಟಿ ಆಫ್ ಇಂಡಿಯಾ ಮತ್ತು ಐಎಸ್‌ಟಿಇ ಫಟಕದ ಸಹಯೋಗದೊಂದಿಗೆ ಬಂಟಿಲ್ಲುಶ್ರೀಮದ್ಧ ವಾದಿರಾಜ ತಾಂತ್ರಿಕ ಮಹಾವಿದ್ಯಾಲಯದ ಕಂಪ್ಯೂಟರ್ ಸೈನ್ಸ್ ವಿಭಾಗದ ವತಿಯಿಂದ ಐದು ದಿನಗಳ ಬೋಧನಾ ಅಭಿವೃದ್ಧಿ ಕಾರ್ಯಾಗಾರ ಆಯೋಜಿಸಲಾಗಿದ್ದು, ಜ. 9ರಂದು ಕಾರ್ಯಾಗಾರದ ಉದ್ಘಾಟನೆ ಕಾಲೇಜಿನ ಸಭಾಂಗಣದಲ್ಲಿ ನಡೆಯಿತು.

ದತ್ತಾಂಶ ವಿಜ್ಞಾನ, ಅದರ ಸಂಬಂಧಿತ ಕ್ಷೇತ್ರಗಳಲ್ಲಿನ ತಾಂತ್ರಿಕ ಬೆಳವಣಿಗೆಗಳ ಅಗತ್ಯ ತಿಳಿಸುವುದು, ವಿಶ್ಲೇಷಣೆಗಳ ಬಳಕೆಯ ಪ್ರಾಮುಖ್ಯತೆ ಕುರಿತು ಜಾಗೃತಿ ಮೂಡಿಸುವುದು ಕಾರ್ಯಾಗಾರದ ಮುಖ್ಯ ಉದ್ದೇಶ. ಮುಖ್ಯ ಅತಿಥಿ ಮಂಗಳೂರಿನ ಕಂಬಳ ಸೊಲ್ಯೂಷನ್ಸ್‌ನ ನಿರ್ದೇಶಕ ಸೋಮನಾಥ ಚೋಗಿ ಮಾತನಾಡಿ ಬೋಧಕ ಅಭಿವೃದ್ಧಿ ಕಾರ್ಯಾಗಾರಗಳು ಕೌಶಲ ಸುಧಾರಿಸಲು

ಸಹಾಯ ಮಾಡುತ್ತವೆ ಎಂದರು.

ಶ್ರೀ ಸೋದ ವಾದಿರಾಜ ಮಠ ಶಿಕ್ಷಣ ಪ್ರತಿಷ್ಠಾನದ ಕಾರ್ಯದರ್ಶಿ ರತ್ನಕುಮಾರ್ ಮಾತನಾಡಿ ಪ್ರಸ್ತುತ ನಡೆಯುತ್ತಿರುವ ಪ್ರತಿಯೊಂದು ವೈದ್ಯಕೀಯ ಸಂಶೋಧನೆಯ ಹಿಂದೆ ಎಂಜಿನಿಯರಿಂಗ್ ಇದ್ದು ಇಂತಹ ಕಾರ್ಯಾಗಾರಗಳು ಅಧ್ಯಾಪಕರ ಮನಸ್ಸನ್ನು ಉತ್ಕೃಷ್ಟಗೊಳಿಸುವುದಲ್ಲದೆ, ಅವರಿಗೆ ಕೆಲಸ ಮಾಡಲು ಹೊಸ ಹುರುಪು ನೀಡುತ್ತದೆ ಎಂದರು. ಪ್ರಾಂಶುಪಾಲ ಡಾ| ತಿರುಮಲೇಶ್ವರ ಭಟ್ ಅಧ್ಯಕ್ಷತೆ ವಹಿಸಿದ್ದರು. ಉಪಪ್ರಾಂಶುಪಾಲ ಡಾ| ಗಣೇಶ್ ಐತಾಳ್ ವೇದಿಕೆಯಲ್ಲಿದ್ದರು.

ಗಣಕಯಂತ್ರ ವಿಭಾಗದ ಮುಖ್ಯಸ್ಥೆ ಡಾ| ಸೌಮ್ಯಾ ಜೆ. ಭಟ್ ಸ್ವಾಗತಿಸಿದರು. ರಾಘವೇಂದ್ರ ಹೆಗ್ಡೆ ಮುಖ್ಯ ಅತಿಥಿಗಳನ್ನು ಪರಿಚಯಿಸಿದರು. ಸವಿತಾ ಶೆಣೈ ಕಾರ್ಯಕ್ರಮ ನಿರೂಪಿಸಿ, ಪ್ರಾಧ್ಯಾಪಕ ಪ್ರೀತಿ ಎಂ. ವಂದಿಸಿದರು.

*(Signature)*

Principal  
SHRI MADHWA VADIRAJA  
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