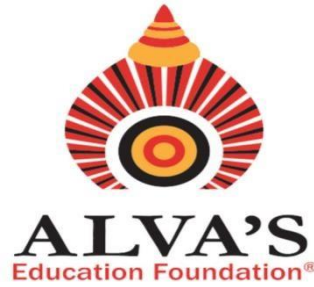


# **ALVA'S INSTITUTE OF ENGINEERING AND TECHNOLOGY**

Shobhavana Campus, Mijar – 574225, Moodbidri.

Dakshina Kannada Karnataka, India.



**Department of Information Science and Engineering**

**FACULTY DEVELOPMENT PROGRAM**

**On**

**“Nanotechnology and its Applications”**

**ACADEMIC YEAR**

**2019-2020**



# ALVA'S INSTITUTE OF ENGINEERING AND TECHNOLOGY

Shobhavana Campus, Mijar, Moodbidri - 574 225

Phone: 08258-262725 Fax: 08258-262726

## DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING

Date: 25/06/2020

Place: AIET, Moodbidri.

### **APPROVAL LETTER**

To

The Principal,  
AIET,  
Moodbidri

Respected Sir,

**Sub: - Approval Letter for Organizing online Faculty Development Program on "Nanotechnology and its Applications"-Reg.**

With reference to the subject cited above, I would like to bring to your kind notice that, the Department is planning to host a Faculty Development Program on "**Nanotechnologies and its Applications**" from "3<sup>rd</sup> July to 7<sup>th</sup> July 2020".

Kindly consider the above request and approve the same for further proceedings.

Thanking you Sir.

Coordinator  
Mr. Nagesh UB

HOD  
Prof. Jayantkumar A Rathod  
Dept. Of Information Science & Engineering  
Alva's Institute of Engg. & Technology  
Mijar, MOODBIDRI - 574 225

Principal  
Dr. Peter Fernandes  
PRINCIPAL  
Alva's Institute of Engg. & Technology,  
Mijar. MOODBIDRI - 574 225, D.K

## Resource Person

**Dr. Raju Hajare**

Associate Professor, BMSITM Bangalore

[rajuhajare@bmsit.in](mailto:rajuhajare@bmsit.in)

## Convener:

**Prof. Jayantkumar A Rathod**

H.O.D Department of ISE,

AIET Moodbidri

## Coordinators:

**Mr. Nagesh U.B,**

**Dept. of ISE, AIET Moodbidri**

Mob: 9449954834

Email id: venkateshbhat2007@gmail.com



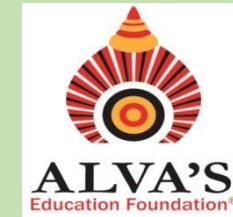
## ABOUT THE INSTITUTION

Alva's Education Foundation (AEF) established in 1995 with the vision of our Chairman Dr. M. Mohan Alva has succeeded in making Moodbidri, an Educational hub in the South Canara Region, with more than 25000 students pursuing various courses ranging from primary school to post-graduate courses in social sciences, pure sciences, engineering and management. There are 21 institutions functioning under the Alva's Education Foundation.

### 5 Days Online Faculty Development Program On

Alva's Institute of Engineering and Technology, Moodbidri is a Premier Engineering Institute of Alva's Education Foundation, established in the year 2008. The college is certified to the ISO 9001: 2008 standards. The institute offers top quality education in five under graduate programs in Engineering- Computer Science, Civil, Electronics & Communications, Information Science, and Mechanical Engineering- Three Post Graduate programs- Master of Technology in Thermal Power Engineering, Computer Science & Engineering, VLSI Design Embedded System and Master of Business Administration.

## Alva's Institute of Engineering and Technology, Moodbidri



### 5 Days Online Certification Program On

## "Nanotechnology and its Applications"

**From 03<sup>rd</sup> July to 07<sup>rd</sup> July  
2020**

*Organized by*

**Department of Information  
Science and Engineering**

## ABOUT THE DEPARTMENT

The Department was started in the year 2008 with an intake of 60 for the undergraduate program. The course has become popular among students due to their achievements and rigor. The department has well qualified, experienced and committed faculty to provide quality industry tuned education to the students. The faculty members regularly participate in Workshops, Faculty development programs and seminars to keep themselves updated with the cutting-edge technologies. Faculty members prolifically publish research papers in renowned journals and conferences. Department has well-equipped laboratories housing state of the art equipment including computer systems with the latest configurations, which are completely networked and the latest software for applications and development areas. The department is affiliated with Visvesvaraya Technological University (VTU), Belagavi.

## COURSE CONTENT

- Introduction to Nanotechnology
- Tools and Techniques
- Approaches Used
- Applications of Nanotechnology
- Pitfalls of Nanotechnology

## VISION

To Impart quality learning and nurture students to become successful technocrats by achieving excellence in information science and engineering field for addressing the evolving needs of the industry as well as the society

## MISSION

To provide quality technical education and research culture for preparing competent professionals in the Information technology field.

To provide the suitable infrastructure and environment that inculcates best engineering practices for the Socio-economic development of the society

To foster the students to become successful technocrats to meet the global competency in the field of IT industry

To develop entrepreneurship skills with active research and innovation by inculcating ethical values among students

## 3-July-2020

Inauguration:	09.00 am to 10:00 am
Keynote Address:	10.00 am to 11.00 am
Tea Break:	11.00 am to 11.15 am
Session 1:	11.15 am to 01.00 pm
Lunch Break:	01:00 pm to 02:00 pm
Session 2:	02:00 pm to 05:00 pm

## PROGRAM SCHEDULE

### 4-July-2020

Session 3:	09.00 am to 11:00 am
Tea Break:	11.00 am to 11.20 am
Session 4:	11.20 am to 01.00 pm
Lunch Break:	01:00 pm to 02:00 pm
Session 5:	02:00 pm to 05:00 pm

### 5-July-2020

Session 6:	09.00 am to 11:00 am
Tea Break:	11.00 am to 11.20 am
Session 7:	11.20 am to 01.00 pm
Lunch Break:	01:00 pm to 02:00 pm
Session 8:	02:00 pm to 05:00 pm

### 5-July-2020

Session 9:	09.00 am to 11:00 am
Tea Break:	11.00 am to 11.20 am
Session 10:	11.20 am to 01.00 pm
Lunch Break:	01:00 pm to 02:00 pm
Session 11:	02:00 pm to 05:00 pm

### 7-July-2020

Session 12:	09.00 am to 11:00 am
Tea Break:	11.00 am to 11.20 am
Session 13:	11.20 am to 01.00 pm
Lunch Break:	01:00 pm to 02:00 pm
Session 14:	02:00 pm to 05:00 pm



Details of Participants			
NAME	INSTITUTION	DEPARTMENT	DESIGNATION
Dhruva P Achar	Moodlakatte Institute of Technology Kundapura	Computer Science and Engineering	Assistant Professor
Vanyashree	Alva's Institute of Engineering and Technology	Information science and engineering	Assistant professor
VENKATESH	Alva's INstitute of Engineering and Technology, Moodbidri	Computer Science and Engineering	Associate Professor
Pradeep Nayak	Alva's Institute of Engineering and Technology	ISE	Assistant professor
Shwetha GK	NMAMIT	CSE	Assistant Professor
PRASHANTH N R	Kalpataru Institute of Technology	ECE	Assoc.Professor
Arun Kumar G S	Alva's Institute of Engineering and Technology	Civil Engineering	Assistant Professor
SHREYAS H	AJIET, Mangalore	ECE	Assistant Professor
Radhika Shetty D S	VCET Puttur	CSE	Assistant Professor
RAJKUMAR BHAT D	AIET, MOODBIDRI	CHEMISTRY	Associate Professor
Roopa G K	VCET, PUTTUR	Computer science	Assistant professor
CHANDRASEKHAR N	Shridevi institute of engineering and technology	Chemistry	Dean Academics and Professor
VIVEK SHARMA S	AIET	CSE	Assistant Professor
Jaishma Kumari B	Alvas institute of engineering and technology	Information science and engineering	Assistant professor
Rohith P	Rajeev Institute of Technology, Hassan	ECE	Assistant professor
Dr CHANDRASEKHAR N	Shridevi institute of engineering and technology.	Chemistry	Dean Academics and Professor
KIRAN C H	AIET	Mechanical Engineering	Asst Professor
Vineetha Pais	AJIET Mangalore	ISE	Assistant professor
SUSHMA	AJ institute of engineering and technology	ISE	assistant professor
Sathyaprakash B.P	REVA University	ECE	Asst.Professor
Sharan Lional Pais	Alvas Institute of Engineering and technology	Information Science and Engineering	Assistant Professor
Shilpa Shetty A	AJ Institute of Engineering and Technology	Information Science and Engineering	Assistant Professor
Arjun K	SDM Institute of Technology	CSE	Assistant Professor
Sharanya P S	AJIET	ISE	Asst Prof
Shashidhara M.S.	Kalpataru Institute of technology	Computer science and engineering	Associate professor
Chetana R	Sjbit	Ece	Associate Professor
PavanKumar S C	U B D T College of Engineering , Davangere	Computer Science and Engineering	Guest Lecturer
SAVITHA C K	KVGCE, Sullia	Computer Science and Engineering	Associate Professor
BALANAGESHWARA S	Moodlakatte institute of technology	ECE	Assistant professor

Varuna Kumara	Moodlakatte Institute of Technology Kundapura	Electronics and Communication Engineering	Assistant Professor
ANAND U HIREMATH	Kalpataru Institute of Technology TIPTUR,	Electronic and Communication	Assistant professor
K. Pandu Naik	Yenepoya Institute of Technology	Information science and Engineering	Assistant professor
K.Deepa	NMAMIT	ECE	Assistant professor
Sujata Terdal	PDA College of Engineering	Computer science and engineering	Professor
Basavaraj S Mathapati	Sharnbasva University	Computer Science and Engineering	Professor
SATISHKUMAR HARSOOR	P.D.A COLLEGE OF ENGINEERING KALABURAGI	CSE	Assistant professor
Jyothi patil	PDA engg college	CSE	Asso prof
Soumya M Ankal	PDACEK	CSE	Assistant professor
Aishwarya Goni	BMSIT	EEE	Student
AMARESHWARI PATIL	PDA COLLEGE OF ENGINEERING ,KALABURGI	COMPUTER SCIENCE AND ENGINEERING	Asst Prof
YADHUNAİK B H	VTU CPGS VIAT MUDDENAHALLI	Cse	Asst.professor
Rashmi B C	Vivekananda Institute of Technology	ISE	Assistant Professor
Poshak.M	Sapthageri College of Engineering	Electrical and Electronics Engineering	Student
Anilkumar BH	ATMECE, Mysuru	Computer Science & Engineering	Assistant Professor
Vijayalakshmi S A	HKBKCE	ISE	Assistant Professor
Suman S Y	BIET College of Engineering	ISE	Student
Mallikarjun Mugli	BKIT, Bhalki	CSE	Assistant professor
YADHUNAİK	VTU CPGS VIAT MUDDENAHALLI	CSE	Asst.Professor
Pradeep Nayak	Alva's Institute of Engineering and Technology	ISE	Assistant professor
AFROZE ANSARI	K.B.N.COLLEGE OF ENGINEERING,KLB	CSE	ASST PROF
Jayasheela C S	Bangalore Institute Technology	Information Science and Engineering	Assistant Professor
hashmat	BMS institute of technology	EEE	student
Monika Puttaramaiah	Dayananda Sagar College of Engineering	Computer Science and Engineering	Assistant Professor
ABDULLAH LAGHMANI	BMS institute of technology and management	EEE	Student
KESAVAN M.V	East point college of engineering and technology, Bengaluru	CSE	Assistant professor
VENKATESH	Alva's Institute of Engineering and Technology Moodbidri	Computer Science and Engineering	Associate Professor
JAYASHRI.M	S.E.A COLLEGE OF ENGINEERING AND TECHNOLOGY	COMPUTER SCIENCE	ASSISTANT PROFESSOR


C Prathibha	Kalpataru Institute of technology, Tiptur	Electronics and communication engineering	Assistant Professor
Sakshi S Kamath	Alvas Institute of Engineering and Technology	Chemistry	Assistant Professor
Vidyasagar Shetty	NMAM Institute of Technology, Nitte	Mechanical Engineering	Assistant Professor
Beena G Pillai	GITAM UNIVERSITY BANGALORE	Computer Science and Engineering	Assistant Professor
Bhoomika G S	BMS INSTITUTE OF TECHNOLOGY	EEE	STUDENT
Luhassini B R	BMSIT&M	EEE	Engineering
Manjunatha swamy c	New Horizon College of Engineering	Cse	Sr.Asst.Prof.
reena lobo	Alva's institute of engineering and technology	Cse	Assistant professor
Manjunath HR	AIET	ISE	Assistant professor
RADHA B KALASKAR	PDA College of Engineering	Computer Science and Engineering	Asst Professor
Chandan KN	SJBIT, Bangalore	Computer science and Engineering	Assistant professor
Deekshith.k	SDM institute of technology	ISE	Professor
Nazia Nusrath UL Ain	Brindavan College of Engineering	Information Science and Engineering	Assistant professor
Tabassum Ara	HKBKCE	CSE	AP

# Attendance Sheet

NAME	03/July	04/July	05/July	06/July	07/July
Dhruva P Achar	1	2	3	4	5
Vanyashree	1	2	3	4	5
VENKATESH	1	2	3	4	5
Pradeep Nayak	1	2	3	4	5
Shwetha GK	1	2	3	4	5
PRASHANTH N R	1	2	3	4	5
Arun Kumar G S	1	2	3	4	5
SHREYAS H	1	2	3	4	5
Radhika Shetty D S	1	2	3	4	5
RAJKUMAR BHAT D	1	2	3	4	5
Roopa G K	1	2	3	4	5
CHANDRASEKHAR N	1	2	3	4	5
VIVEK SHARMA S	1	2	3	4	5
Jaishma Kumari B	1	2	3	4	5
Rohith P	1	2	3	4	5
Dr CHANDRASEKHAR N	1	2	3	4	5
KIRAN C H	1	2	3	4	5
Vineetha Pais	1	2	3	4	5
SUSHMA	1	2	3	4	5
Sathyaprakash B.P	1	2	3	4	5
Sharan Lionel Pais	1	2	3	4	5
Shilpa Shetty A	1	2	3	4	5
Arjun K	1	2	3	4	5
Sharanya P S	1	2	3	4	5
Shashidhara M.S.	1	2	3	4	5
Chetana R	1	2	3	4	5
PavanKumar S C	1	2	3	4	5
SAVITHA C K	1	2	3	4	5
BALANAGESHWARA S	1	2	3	4	5
Varuna Kumara	1	2	3	4	5
ANAND U HIREMATH	1	2	3	4	5
K. Pandu Naik	1	2	3	4	5
K.Deepa	1	2	3	4	5
Sujata Terdal	1	2	3	4	5
Basavaraj S Mathapati	1	2	3	4	5
SATISHKUMAR HARSOOR *	1	2	3	4	5
Jyothi patil	1	2	3	4	5
Soumya M Anakal	1	2	3	4	5
Aishwarya Goni	1	2	3	4	5
AMARESHWARI PATIL	1	2	3	4	5
YADHUNAİK B H	1	2	3	4	5
Rashmi B C	1	2	3	4	5



Poshak.M	1	2	3	4	5
Anilkumar BH	1	2	3	4	5
Vijayalakshmi S A	1	2	3	4	5
Suman S Y	1	2	3	4	5
Mallikarjun Mugli	1	2	3	4	5
YADHUNAİK	1	2	3	4	5
Pradeep Nayak	1	2	3	4	5
AFROZE ANSARI	1	2	3	4	5
Jayasheela C S	1	2	3	4	5
hashmat	1	2	3	4	5
Monika Puttaramaiah	1	2	3	4	5
ABDULLAH LAGHMANI	1	2	3	4	5
KESAVAN M.V	1	2	3	4	5
VENKATESH	1	2	3	4	5
JAYASHRI.M	1	2	3	4	5
C Prathibha	1	2	3	4	5
Sakshi S Kamath	1	2	3	4	5
Vidyasagar Shetty	1	2	3	4	5
Beena G Pillai	1	2	3	4	5
Bhoomika G S	1	2	3	4	5
Luhadini B R	1	2	3	4	5
Manjunatha swamy c	1	2	3	4	5
reena lobo	1	2	3	4	5
Naziya Banu K	1	2	3	4	5
Manjunath HR	1	2	3	4	5
RADHA B KALASKAR	1	2	3	4	5
RADHA B KALASKAR	1	2	3	4	5
Chandan KN	1	2	3	4	5
Anup Shivaraj Jambagi	1	2	3	4	5
Anup Shivaraj Jambagi	1	2	3	4	5
Deekshith.k	1	2	3	4	5
Aafaq Altaf Wani	1	2	3	4	5
Nazia Nusrath UL Ain	1	2	3	4	5
ChaitraShree M	1	2	3	4	5
ChaitraShree M					
Tabassum Ara					

  
 Coordinator  
 (Mr. Nagesh. V.B.)

Jay  
 HOD

**Feedback Form**

**Resource Person: Dr. Raju Hajare**

1. The resource person was well prepared and knowledgeable.

Strongly Disagree-1	Disagree-2	Agree-3	<input checked="" type="checkbox"/> Strongly Agree-4
---------------------	------------	---------	--

2. The resource person was presented in a clear and well organised manner.

Strongly Disagree-1	Disagree-2	Agree-3	<input checked="" type="checkbox"/> Strongly Agree-4
---------------------	------------	---------	--

3. The resource person answered to questions in an informative, appropriate and satisfactory manner.

Strongly Disagree-1	Disagree-2	<input checked="" type="checkbox"/> Agree-3	Strongly Agree-4
---------------------	------------	---	------------------

4. The resource person covered all the topics as per the schedule.

Strongly Disagree-1	Disagree-2	<input checked="" type="checkbox"/> Agree-3	Strongly Agree-4
---------------------	------------	---	------------------

5. The content covered will be useful for my future knowledge.

Strongly Disagree-1	Disagree-2	<input checked="" type="checkbox"/> Agree-3	Strongly Agree-4
---------------------	------------	---	------------------

6. The activities and assignment were relevant to the course content and learning objectives.

Strongly Disagree-1	Disagree-2	<input checked="" type="checkbox"/> Agree-3	Strongly Agree-4
---------------------	------------	---	------------------

7. The resource person has encouraged participant's interaction.

Strongly Disagree-1	Disagree-2	Agree-3	<input checked="" type="checkbox"/> Strongly Agree-4
---------------------	------------	---------	--

8. The resource person kept me engaged and interacted.

Strongly Disagree-1	Disagree-2	Agree-3	<input checked="" type="checkbox"/> Strongly Agree-4
---------------------	------------	---------	--

9. Overall, the sessions were informative and valuable.

Strongly Disagree-1	Disagree-2	<input checked="" type="checkbox"/> Agree-3	Strongly Agree-4
---------------------	------------	---	------------------

Q10. The FDP objective were met.

Strongly Disagree-1	Disagree-2	<input checked="" type="checkbox"/> Agree-3	Strongly Agree-4
---------------------	------------	---	------------------

If any other remarks or comments or suggestions you would like to make.

FDP was good.



**Feedback Form**

**Resource Person: Dr. Raju Hajare**

1. The resource person was well prepared and knowledgeable.

Strongly Disagree-1	Disagree-2	Agree-3 ✓	Strongly Agree-4
---------------------	------------	-----------	------------------

2. The resource person was presented in a clear and well organised manner.

Strongly Disagree-1	Disagree-2	Agree-3	Strongly Agree-4 ✓
---------------------	------------	---------	--------------------

3. The resource person answered to questions in an informative, appropriate and satisfactory manner.

Strongly Disagree-1	Disagree-2	Agree-3 ✓	Strongly Agree-4
---------------------	------------	-----------	------------------

4. The resource person covered all the topics as per the schedule.

Strongly Disagree-1	Disagree-2	Agree-3 ✓	Strongly Agree-4
---------------------	------------	-----------	------------------

5. The content covered will be useful for my future knowledge.

Strongly Disagree-1	Disagree-2	Agree-3 ✓	Strongly Agree-4
---------------------	------------	-----------	------------------

6. The activities and assignment were relevant to the course content and learning objectives.

Strongly Disagree-1	Disagree-2	Agree-3	Strongly Agree-4 ✓
---------------------	------------	---------	--------------------

7. The resource person has encouraged participant's interaction.

Strongly Disagree-1	Disagree-2	Agree-3	Strongly Agree-4 ✓
---------------------	------------	---------	--------------------

8. The resource person kept me engaged and interacted.

Strongly Disagree-1	Disagree-2	Agree-3 ✓	Strongly Agree-4
---------------------	------------	-----------	------------------

9. Overall, the sessions were informative and valuable.

Strongly Disagree-1	Disagree-2	Agree-3	Strongly Agree-4 ✓
---------------------	------------	---------	--------------------

Q10. The FDP objective were met.

Strongly Disagree-1	Disagree-2	Agree-3 ✓	Strongly Agree-4
---------------------	------------	-----------	------------------

If any other remarks or comments or suggestions you would like to make.

He delivered the content very well.



# **ALVA'S INSTITUTE OF ENGINEERING & TECHNOLOGY**

Shobhavana Campus, Mijar, Moodbidri, D.K – 574225

Phone: 08258-262725, Fax: 08258-262726

DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING

## **REPORT ON**

### **Nanotechnology and its Applications**

The Department organized a 5 days Online Certification program on “**Nanotechnology and its Applications**” from **3<sup>rd</sup> July to 7<sup>th</sup> July 2020**. The certification course was inaugurated by the resource person, Dr. Raju Hajare, Head of the Department Prof. Prof Jayantkumar A Rathod and Program coordinator Prof. Nagesh U.B.

The resource person covered various topics with respect to Nanotechnology and its applications. He focused on carbon nanotubes, nanorods and also on different approaches used. He explained about the various applications of nanotechnology like military, healthcare, drugs electronics and computers etc. the students got benefited from his certification program and got exposure in the field of nanotechnology. We are grateful that you have shared some of your precious time with us. We look forward for your participation on future events. We would like to thank the resource person on behalf of entire college and department.



**ALVA'S INSTITUTE OF ENGINEERING AND TECHNOLOGY**

SHOBHAVANA CAMPUS, MIJAR, MOODBIDRI - 574 225

PHONE: 08258-262725 FAX: 08258-262726

Department of Information Science Engineering

# *Certificate* OF PARTICIPATION

THIS CERTIFICATE IS PROUDLY PRESENTED TO

***Prof. Pavan Kumar S.C***

Assistant Professor at UBDT college of Engineering, Davangere for successfully completing the FDP on "Nanotechnology and its Applications", organized by the department of Information Science Engineering from 3rd July to 7th July 2020.

Mr. Nagesh U.B  
Convenor

Dr. Raju Hajare  
Resource Person,  
BMSIT, Bengaluru

Prof. Jayantkumar A  
Rathod  
HoD, ISE

Dr. Peter Fernandes  
Principal, AIET