

DATE: 01<sup>st</sup> Dec 2016

From,  
Deeksha M  
Assistant Professor  
Dept. of CSE

A.I.E.T, Mijar

Through,

The H.O.D.

Dept. of CSE

A.I.E.T, Mijar

To,

The Principal

A.I.E.T, Mijar

Respected Sir,

SUBJECT: - Requisition to attend a workshop

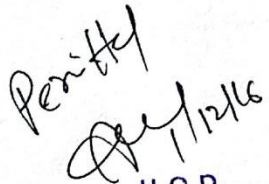
As per the above subject, I seek your permission to attend a FDP on "Pervasive and Mobile Computing" in NITK, Surathkal from 5<sup>th</sup> to 14<sup>th</sup> Dec 2016. Kindly do the needful.

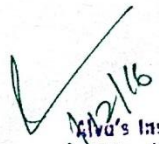
Thanking you,

Yours Sincerely,

  
(Deeksha M)

pt. 1  
Alva

  
H. O. D.  
Dept. Of Computer Science & Engineering  
Alva's Institute of Engg. & Technology  
Mijar, MOODBIDRI - 574 225

  
12/16  
PRINCIPAL  
Alva's Institute of Engg. & Technology,  
Mijar, MOODBIDRI - 574 225, K.A

✓✓

Application for Permission to attend  
conference/Seminars/Workshops and Paper Presentation

1. Name of the Staff : Deeksha . M
2. Designation & Department : Asst. Prof , CSE
3. Name of the Conference/Seminar Symposium/ Workshop : FDP on Pervasive & Mobile computing
4. Type of conference is International/ National/State Level : National level.
5. Place of Conference /workshop : NITK, Surathkal
6. Date of Conference/workshop : 5/12/16 - 14/12/16
7. Title of the paper submitted/accepted : —
8. Mention the items enclosed
  - a. Copy of the brochure : (Yes/No)
  - b. Copy of invitation letter : (Yes/No)
  - c. Copy of the abstract of the paper : (Yes/No)
  - d. Acceptance received by Committee with recommendation
9. Rough estimate of expenditure
  - a. Registration fee : 3000/-
  - b. Train/Air fare : —
- 10: Details of previous conference/workshop Attended ( Date/Place/Type) : —

Date: 1/12/16

Recommendation of the HOD

*in NITK  
may be perm  
1/12/16*  
Dept. Of Computer Science & Engineering  
Alva's Institute of Engg. & Technology  
Mijar, MOODBIDRI - 574 225

*Deeksha . M*  
(Signature)  
Name: Deeksha . M  
Designation & Dept  
Asst. Prof  
CSE

*[Signature]*  
Signature of the Principal.  
PRINCIPAL

Alva's Institute of Engg. & Technology,  
Mijar, MOODBIDRI - 574 225, D.K



## Registration Form

Name: Deeksha . M  
Designation: Asst. Professor  
Qualification: B.E , M.Tech (CSE)  
Experience: 2 1/2 years (if applicable)  
Department: CSE

Address for Communication: "Shri Deghula house", Vivekananda Nagar, Masthikatte  
City: Moodbidei Pin Code: 574227

Mobile No.: 7353606361

E-mail: deeksha2490@gmail.com

Category of Participant:

☒ Academic

☐ Industry Participant

The information provided is true to the best of my knowledge. If selected, I agree to abide by the rules and regulations of the FDP and shall attend the course for the entire duration. I also undertake the responsibility to inform the Coordinator in case, I am unable to attend the course.

Place: Moodbidei

Date: 29/11/16

Signature of the Applicant

Signature of Head of the Institution

(with seal)

Dept. Of Computer Science & Engineering

Alva's Institute of Engineering & Technology

Mijar, MOODBIDRI - 574 225

## About NITK Surathkal

National Institute of Technology Karnataka (NITK), Surathkal (formerly KREC), is one of the Institute of National importance in our country funded by MHRD, Government of India. Since its inception in 1960 as the Karnataka Regional Engineering College, the Institute has established itself as a premier center engaged in imparting quality technological education and providing support to research and development activities. The Institute has a long tradition of research for several decades in both traditional and modern areas of Engineering and Sciences in all Departments.

## About CSE Department

Since its inception 1986, Department of Computer Science & Engineering holds a position of pride in NITK. It has consistently fulfilled its role of producing Computer Engineers ready to satisfy the needs of the IT world. The department has always attracted the best of engineering aspirants from all over the country. It has a well qualified and experienced faculty team. The Department offers B.Tech., M.Tech., M.Tech.(By Research) and Ph.D. in Computer Science and Engineering discipline.

## Address for Correspondence

K. Chandrasekaran,  
Professor, Department of CSE, NITK Surathkal,  
Srinivasnagar PO, Mangalore - 575 025.  
Phone: +91-824 247 4000 Extn 3400  
Fax: +91-824 2474033  
E-mail: [techevents.cse@gmail.com](mailto:techevents.cse@gmail.com)  
Point of Contact  
Marimuthu C, +91-9008581809  
Raghavan S, +91-7338513541

## NATIONAL INSTITUTE OF TECHNOLOGY KARNATAKA

Surathkal, Mangalore - 575025  
DEPARTMENT OF COMPUTER SCIENCE  
AND ENGINEERING

(in association with  
Dept. of CSE, NIT Warangal)

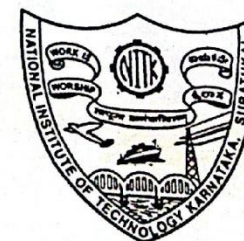
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Faculty Development Programme  
on  
Pervasive and Mobile  
Computing

Dec. 05 - 14, 2016 ( 10 working days, 2 weeks)

<http://cse.nitk.ac.in/upcoming-events/fdp>



सत्यमेव जयते

Department of Electronics and Information Technology  
Ministry of Communications & Information Technology  
Government of India

## Invitation and Pre-arrival Brief - FDP on Pervasive and Mobile Computing @ NITK Surathkal

Technical Events CSE <techevents.cse@gmail.com>  
To: Technical Events CSE <techevents.cse@gmail.com>  
Bcc: deeksha2490@gmail.com

Wed, Nov 30, 2016 at 2:26 PM

Dear Participant,

Greetings from NITK Surathkal

Congratulations! As your application for attending Faculty Development Programme on Pervasive and Mobile Computing to be held from December 05-14, 2016 at NITK Surathkal has been formally accepted, you would have planned your trip / booked your tickets to reach NITK Surathkal. It is our pleasure to invite and welcome you to Faculty Development Programme.

As the event is few days away, we are mailing you the details related to your accommodation, pre-arrival, how to reach NITK, and other information to make your visit comfortable and joyful. **Please read this message carefully before leaving to Mangalore.**

### Venue:

Seminar Hall, Second Floor, Department of Computer Science and Engineering, Western Side Campus, NITK Surathkal.

### Registration:

Registration desk will be available at the above mentioned Venue on December 05, 2016 from 09:00 AM. Kindly submit the signed registration form, DD / Cash or any other payment proof and show your organization ID card to get your registration kit.

### Accommodation / Boarding Information:

All the selected participants will be provided free boarding and accommodation in the international hostel. Kindly, contact +91-9008581809 on your arrival at NITK for availing accommodation.

### How to Reach NITK:

The possible ways to reach NITK Surathkal from different source points are given in the **attached document**.

Have a safe and pleasant journey!

Looking forward to see you at NITK Surathkal during this event.

Thanks and Regards,  
Organizing Team

For any Queries Contact: +91-9008581809 OR techevents.cse@gmail.com

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 Pre-arrival Brief.pdf  
260K



कंप्यूटर एवं विज्ञान अभियान्त्रिक विभाग  
राष्ट्रीय प्रौद्योगिकी संस्थान कर्नाटक, सुरत्कल, मंगलूर - ५७५ ०२५  
DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING  
NATIONAL INSTITUTE OF TECHNOLOGY KARNATAKA, SURATHKAL  
MANGALORE - 575 025

**TO WHOM IT MAY CONCERN**

This is to certify that **Deeksha.M** from Alva's Institute of Engineering & Technology, Moodbidri was present during **December 05, 2016 to December 14, 2016** at National Institute of Technology Karnataka, Surathkal as an attendee of Faculty Development Programme on "Pervasive and Mobile Computing".



**K. Chandrasekaran, Ph.D.,**  
Co-ordinator,  
Faculty Development  
Programme on Pervasive and  
Mobile Computing.





# Faculty Development Programme on Pervasive and Mobile Computing

(December 05, 2016 to December 14, 2016)

Jointly Organized by

Department of CSE, National Institute of Technology Karnataka

and

Electronics & ICT Academy, National Institute of Technology, Warangal


*This is to certify that*

**Deeksha.M**

from Alva's Institute of Engineering & Technology, Moodbidri  
has participated in the DeitY, HRD division, Ministry of ICT, Govt. of India

SPONSORED Faculty Development Programme on  
“Pervasive and Mobile Computing” during December 05-14, 2016.

DVLN Somayajulu, Ph.D.,  
Professor, Department of CSE,  
Co-ordinator, FDP on  
Pervasive and Mobile Computing  
National Institute of Technology  
Warangal - 506004, TS, INDIA

  
K. Chandrasekaran, Ph.D.,  
Professor, Department of CSE,  
Co-ordinator, FDP on  
Pervasive and Mobile Computing  
National Institute of Technology Karnataka  
Surathkal, Mangalore - 575025, Karnataka, INDIA

### **A Faculty Development Programme(FDP) on “Pervasive and Mobile Computing(PMC).”**

A FDP, on “Pervasive and Mobile Computing (PMC)” was conducted on 5-12-16 till 14-12-16 by Department of CSE, NITK Surathkal. The FDP started with the registration procedure followed by inauguration.

**Day 1: 05-12-2016.** The keynote session was addressed by Prof. Chidananda Gowda, Former VC, Kuvempu university. Starting with introduction to PMC, he briefed about the emerging technologies like IoT, Zetaflood, Wisdom of CC, Next-net, SD printing, Artificial Intelligence and many more for the upcoming years. The afternoon session started with Introduction Wireless Sensor networks to Cyber Physical System by Prof K Chandrasekaran, Assistant Professor NITK, Surathkal. He explained about different Computing Systems which includes Edge Computing, Mobile Computing, Ubiquitous Computing and security issues to the same. The Session also included explanation on usage of WSN in Cyber Physical System. The Last session of the day was by Mr Marimuttu, Research Scholar, NITK. This was about Context awareness on Pervasive Computing which also had explanation on Calm technology.

**Day2: 06-12-2016.** started with the session on cloud and service Computing in PMC by Prof K Chandrasekaran. He explained about technology under Cloud computing along with the characteristics advantages, applications in various fields. The Afternoon session was on IoT with the explanation of protocols used and energy efficiency algorithms implemented on IoT, application, advantages by Sarvesh, Research scholar, NITK.

**Day 3: 07-12-2016.** started the session on Cellular networks by Dr. N.S.V Shet, NITK followed by briefing on Design of MAC protocols in Adhoc networks by Dr R.R Rout. Afternoon session started with NS2 theoretical and lab sessions by Dr Mohit Tahiliani.

**Day 4: 08-12-2016.** started with Software for Mobile Cloud Computing by Mr Marimuttu, Research Scholar, NITK. It was continued with HP Helion Eucalyptus – private Cloud by Mr. Raghavan, Research Scholar, NITK. Afternoon session started with NS3 theoretical and lab sessions by Dr. Mohit Tahiliani.

**Day 5: 09-12-2016** had sessions on Sensor Cloud by Dr Geetha V, NITK and Smart City and Health care by Dr Raghavan Infosys Bangalore. Afternoon session was on theoretical and lab sessions on Mobile IP/IPv6 by Dr B.R.Chandawarkar, NITK.

**Day 6: 10-12-2016** had sessions on Optimization techniques in PMC by Prof K Chandrasekaran, NITK and Fault management monitoring in PMC by Rahul Dutta , Oracle, Hyderabad. Afternoon had a visit to Centre for Systems Design- NITK, a virtual lab set up by the department of Mechanical NITK under the in charge of Dr. K.V Gangadharan.

**Day 7: 11-12-2016** includes session on Challenges and issues in #G and beyond, and Security Issues and Challenges in Wireless Networks by Dr. Nakkeeran, Pondy.University. Afternoon session was on theoretical and lab sessions on Android Application Development Mr Manoj Kumar, Research Scholar, NITK.

**Day 8: 12-12-2016** includes session on Multicore Mobile Devices, by Dr John Jose, IIT Guwahati and Software Defined Networks by Mrs Saumya Hegde, NITK. Afternoon session included theoretical and lab sessions on Machine Learning and Health Care by Mr Likewin Thomas, NITK.

**Day 9: 13-12-2016** includes session on Performance Optimization techniques at hardware level for large data centres in IoT environment by Dr. John Jose. IIT Guwahati and Membrane Computing by Prof K Chandrasekaran. Afternoon Session included Mobile Cloud Computing: Models, approaches and Challenges by Dr Annappa, NITK, and Cryptography for Mobile Computing by Dr Alwyn R.Pais. NITK.

**Day 10: 14-12-2016** had sessions on Privacy issues on Mobile Database by Prof .D.V.L.N Somayajulu,NITK, Warangal. Written test was conducted on the above mentioned topics. The FDP concluded with the valedictory with presence of Prof .D.V.L.N Somayajulu,NITK, Warangal, Prof K Chandrasekaran, Assistant Professor NITK, Suratkal and Prof Lokesh, Director NITK Suratkal.


Name and Signature of Faculty

Shruthi Shetty J



Deeksha M



  
HOD Signature  
Dept. Of Computer Science & Engineering  
Alva's Institute of Engineering  
Mysur, HOODBION - 576 220





# ALVA'S EDUCATION FOUNDATION (R.)

MOODBIDRI - 574 227, D.K.

No. :

**DEBIT / CREDIT VOUCHER**

Date ... 1 / 12 / 2016 ...

Sl.No.	Particulars	College Code	Debit (₹)	Credit (₹)
a	FDP- registration fees at NITK,	} AL	3000/-	
b	Surathkal			
c				
d				
e				
PAYABLE / RECEIVABLE			3000/-	
TOTAL			3000/-	

Rupees Three thousand only

Narration Deeksha M.

Assistant Professor, Dept. of CSE, ADET

Prepared by

Principal  
Alva's Institute of Engg. & Technology, A.O.  
Mijar, MOODBIDRI - 574 225, D.K.

Authorised by  
Dept. of Computer Science & Engineering  
Alva's Institute of Engg. & Technology  
Mijar, MOODBIDRI - 574 225

Receiver's / Remitter's Signature