



CHILDREN'S EDUCATION SOCIETY (Regd.)  
THE OXFORD COLLEGE OF ENGINEERING

(Recognised by the Govt. of Karnataka, Affiliated to Visvesvaraya Technological University, Belagavi.

Approved by A.I.C.T.E. New Delhi.

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Bommanahalli, Hosur Road, Bangalore - 560 068.

Ph: 080-61754601/602, Fax: 080 - 25730551

E-mail: engprincipal@theoxford.edu Web: www.theoxfordengg.org

E-copy of letter/s indicating financial assistance to teachers and highted in Audited  
statement

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Bommanahalli, Hosur Road  
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**2016-17**

**Workshop program for DAA with Java Microprocessor Programming & Software Testing Lab**



**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**

**THE OXFORD COLLEGE OF ENGINEERING**

Hosur Road, Bommanahalli, Bengaluru-560 068

080-30219601/02, Fax : 080-25730551,30219629

Website:[www.theoxford.edu](http://www.theoxford.edu) Email : [engprincipal@theoxford.edu](mailto:engprincipal@theoxford.edu)

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**REPORT**

I, Mrs. G.Florance, Assistant Professor, Department of Computer Science and Engineering, TOCE attended the 6 Days workshop on "DAA with Java, Microprocessor Programming and Software Testing Laboratories" organized by CMR Institute of Technology jointly organized by the Departments of ISE, CSE and Computer Applications, CMR Institute of Technology, Bangalore Chapter from 16<sup>th</sup> to 21<sup>th</sup> January 2017. The workshop was very useful and informative in finding complexity and derives formula from the problem statement, difference between microprocessor and microcontroller, RICS and CICS machine and boundary value problem in software testing and how to do these in laboratory also. I assure you that the new concepts will be taught and used for the UG and PG students of CSE department. I thank the management for giving me the opportunity to attend the workshop by providing financial assistance for the registration of workshop.

Thank You

Mrs. G.Florance

*Handwritten signature of Mrs. G.Florance*

HOD/CSE  
*Handwritten signature and date 4/2/17*





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**INSTITUTE OF  
TECHNOLOGY**

We are pleased to acknowledge the active participation of

**Prof. G Florance**

from The Oxford College of Engineering, Bengaluru,  
in the 6-day Workshop on

**DAA with Java, Microprocessor  
Programming and Software Testing  
Laboratories**

jointly organized by

the Departments of ISE, CSE and Computer Applications,  
CMR Institute of Technology, Bengaluru,  
from the 16th to the 21st of January 2017.

Prof. Sanjay R Chitnis  
Principal  
CMRIT

Prof. H N Shankar  
Dean - Academics & Research  
CMRIT

CMR Institute of Technology  
#132, AECS Layout, IT Park Road, Bengaluru - 560037  
www.cmrit.ac.in





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1037	11.1.17	605707	17890/-	U/B	B1801011000570	S. Ghoshalk	Tea/coffee bill	19.1.17	S. Ghoshalk
1038	11.1.17	605708	4000/-	U/B	---	Annamathk	Survey camp at Kailasa	7.1.17	---
1039	11.1.17	709	2400/-	U/B	---	---	---	ToCE	---
1040	11.1.17	710	2400/-	U/B	---	---	---	---	demands
1041	11.1.17	711	2400/-	U/B	---	---	---	---	21/1/17
1042	11.1.17	712	2900/-	U/B	---	---	---	---	---
1043	12/1/17	713	1500/-	U/B	---	G. Reddy	Workshop	ToCE	---
1044	12/1/17	714	515/-	U/B	---	---	16/1/17	---	---
1045	12/1/17	715	4780/-	U/B	---	---	16/1/17	---	---
1046	12/1/17	716	500/-	U/B	---	---	16/1/17	---	---
1047	12/1/17	717	500/-	U/B	---	---	16/1/17	---	---
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1053	17/1/17	723	8643:00	U/B	---	---	16/1/17	---	---
1054	17/1/17	724	700:00	U/B	---	---	16/1/17	---	---



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**3 days FDP on "Emerging topics in Computational Intelligence and its applications"**



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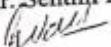
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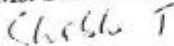
**REPORT**

We, Mr. Senthil Kumar R, Ms. Seema Patil and Ms. Shobha T, Associate Professors, Department of Computer Science and Engineering, TOCE attended the 3 Day FDP on "Emerging Topics in Computational Intelligence and its Applications" organized of Sri Venkateshwara College of Engineering, in association with IEEE Computational Intelligence Society, Bangalore Chapter from 18<sup>th</sup> to 20<sup>th</sup> January 2017. The FDP was very useful and informative in the new area of optimization, computational intelligence and machine learning. We assure you that the new concepts will be taught and used for the projects of the UG and PG students of CSE department. We thank the management for giving the opportunity to attend the FDP and provided the financial assistance for the registration of FDP.

Thank You

  
Mr. Senthil Kumar R

  
Ms. Seema Patil

  
Ms. Shobha T

  
HOD CSE



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**SRI VENKATESHWARA COLLEGE OF ENGINEERING, BANGALORE**


Department of Electronics and Communication Engineering

In association with

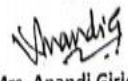
IEEE Computational Intelligence Society,  
Bangalore Chapter



This is to certify that Dr. / Mr. / Ms. / Mrs. Senthil Kumar of  
The Oxford college of Engg., Bangalore has participated in Three day  
Faculty Development Program on "Emerging Topics in Computational Intelligence and its Applications"  
from 18<sup>th</sup> to 20<sup>th</sup> January 2017, held at Sri Venkateshwara College of Engineering, Bengaluru - 562 157,  
Organized by Department of Electronics and Communication Engineering, SVCE,  
in association with IEEE Computational Intelligence Society (IEEE-CIS), Bangalore Chapter.

  
Dr. Shivashankar  
Convener and HOD  
E&CE Dept., SVCE

  
Dr. Vijayashree R B  
/Dr. Shilpa Mehta  
Co-ordinators, E&CE Dept., SVCE

  
Mrs. Anandi Girdharan, IISc  
Chair, IEEE-CIS,  
Bangalore Chapter

  
Dr. Suresha  
Principal,  
SVCE





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
Department of Electronics and Communication Engineering

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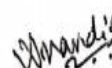
IEEE Computational Intelligence Society,  
Bangalore Chapter



This is to certify that Dr. / Mr. / Ms. / Mrs. .... *Seema Patil* ..... of  
..The..Oxford..College..of..Engg.,..Bangalore..... has participated in Three day  
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from 18<sup>th</sup> to 20<sup>th</sup> January 2017, held at Sri Venkateshwara College of Engineering , Bengaluru - 562 157,  
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/Dr. Shilpa Mehta  
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Department of Electronics and Communication Engineering

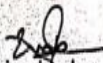
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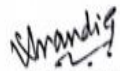



This is to certify that Dr. / Mr. / Ms. / Mrs. Shobha T of The Oxford college of Engg., Bangalore has participated in Three day Faculty Development Program on "Emerging Topics in Computational Intelligence and its Applications" from 18<sup>th</sup> to 20<sup>th</sup> January 2017, held at Sri Venkateshwara College of Engineering, Bengaluru - 562 157, Organized by Department of Electronics and Communication Engineering, SVCE, in association with IEEE Computational Intelligence Society (IEEE-CIS), Bangalore Chapter.

Scanned with CamScanner

  
Dr. Shivashankar  
Convener and HOD  
E&CE Dept., SVCE

  
Dr. Vijayashree R B  
/Dr. Shilpa Mehta  
Co-ordinators, E&CE Dept., SVCE

  
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**Sri Venkateswara College of Engineering, Bangalore**  
In association with  
**IEEE Computational Intelligence Society,**  
**Bangalore Chapter**



**RECEIPT**

A Three Day Faculty Development Programme

On

**"Emerging Topics in Computational Intelligence and its Applications"**

Organized by

Department of Electronics & Communication Engineering, SVCE

In association with

IEEE Computational Intelligence Society, Bangalore Chapter.

From 18<sup>th</sup> - 20<sup>th</sup> Jan 2017

Date:

Mr/Mrs/Ms/Dr. SENTHIL KUMAR from THE OXFORD COLLEGE OF ENGINEERING has  
paid Rs. 1500/- ( One thousand five hundred only )  
towards the three days FDP at SVCE, Bangalore.

*Dr. Vijayashree R B*  
Coordinator Signature  
Dr. Vijayashree R B, Prof. E&CE, SVCE  
Dr. Shilpa Mehta, Prof. E&CE, SVCE

Convener  
Dr. Shivashankar,  
HoD, E&CE, SVCE, Bangalore

Activate  
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Sri Venkateshwara College of Engineering  
In association with  
IEEE Computational Intelligence Society, Bangalore  
Chapter



Three-day Faculty Development Programme on  
**Emerging Topics in Computational Intelligence and its Applications**  
18<sup>th</sup> – 20<sup>th</sup> Jan 2017 (9am-5pm)

Computational Intelligence is an emerging interdisciplinary technology focusing on Neural Networks, Connectionist System Evolutionary Algorithms, Fuzzy Systems, Big-data, Multimedia Systems, IoT, Hybrid Intelligent Systems and Biologically Inspired Systems. The FDP is designed to include expert talks, hand-on sessions, panel discussion, etc.

**Speakers and Topics**

Speaker	Affiliation	Topic
Dr.Swagatam Das	ISI Kolkata	Evolutionary Computing
Muralikrishna Ramanathan	IISc, Bangalore	Targeted Client Synthesis for Detecting Concurrency Bugs
Dr T Srinivas	IISc Bangalore	Quantum Communication and Computing
Dr.Gopinath	IISc Bangalore	Cognitive Science and Sleep States in Indic Tradition
Dr.Vijaykumar B P	MSRIT - Bangalore	CI for Ubiquitous Computing
Dr.Dilipkumar	UVCE Bangalore	CI and IoT
Dr. Sunil Kumar S Manvi	Reva University - Bangalore	Software Agents
Dr.Pushpa P V	PDACE Gulbarga	IoT
Dr.Anandhi R J	TOCE - Bangalore	Machine Learning and Hands on session.
Prof.Vinay K	MSRIT - Bangalore	Insight of Cloud Sim and Hands on session
Mrs. Anandi Giridharan	IISc	Multimedia applications
Dr.Ratna G N	IISc	Real Time systems and sensor networks.

**Registrationweblink:** <https://goo.gl/forms/2nuKUdX0pyQHAHbg1>

Participants have to register by 15 Jan 2017. No registration fee for members of IEEE Computational Intelligence Society, including those who join on the spot. Fee for non-CIS member: Rs.1500/-; Fee for non-CIS student member: Rs. 1000/-. The fees includes kit, lunch/tea/coffee, etc. Participation certificate will be given. Accommodation is not included in fees; but help will be provided for outstation participants.

AGM of IEEE CIS Bangalore Chapter is scheduled on 19 Jan 2017 during 3.30pm-5pm.  
All IEEE CIS members are invited, including student members.

**Contact:**

Dr.Vijayashree R B, SVCE (vijayasri\_rb@rediffmail.com) 07795323145

Dr.Shilpa Mehta, SVCE (shilpamehta1\_official@gmail.com) 09481715395

Mrs. Anandi Giridharan, IISc, Chair, IEEE-CIS BIR Chapter (anandi@ieee.org)

Ms. Gayathri Devi, Royal Bank of Scotland, Secretary, IEEE CIS BIR Chapter (gayathridevi.26@gmail.com)



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1038	-11-	605708	2400/-	-4	-	Amarnath K	Survey camp	7.1.17	Kaibara
1039	-11-	209	2400/-	-4	-	-	-	To E	-
1040	-11-	710	2400/-	-4	-	-	-	-	demands
1041	-4-	711	2400/-	-4	-	-	-	-	21/1/17
1042	-1-	712	2400/-	-4	-	-	-	-	-
1043	22/1/17	713	1500/-	-4	-	G. Reddy	Workshop	To E	F. S. S.
1044	12/01/17	714	515/-	-11-	-11-	seminar	civil dept.	16/1/17	F. S. S.
1045	12/01/17	715	4780/-	-11-	-11-	saraswathi	CSE super	External	F. S. S.
1046	-11-	716	500/-	-11-	-11-	Abbaraju Sabithi	Faculty	Diff. prog.	F. S. S.
1048	13/01/17	718	1850:00	-11-	-11-	Swalath	Hindustan	physical testing	F. S. S.
1049	-11-	719	700:00	-11-	-11-	Your self	Lab	Registration	F. S. S.
1050	16/01/17	720	150:00	-11-	-11-	senithi Kumar	Lab	Registration	F. S. S.
1051	17/01/17	721	3000:00	-11-	-11-	cancelled for Ak. 78	cancelled for Ak. 78	workshop	F. S. S.
1052	-11-	722	1500:00	-11-	-11-	Sridhar N	Registration	workshop	F. S. S.
1053	-11-	723	8643:00	-11-	-11-	K.B. Handa	supply of	workshop	F. S. S.
1054	-11-	724	700:00	-11-	-11-	Your self	workshop	Registration	F. S. S.



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**REPORT**

We, Ms. Chandanita Thakur and Ms. Fenita F, Assistant Professors, Department of Computer Science and Engineering, TOCE attended the 3 Days FDP on "OOP's With Java" organized by AMC from 23<sup>th</sup> to 25<sup>th</sup> January 2017. The FDP was very useful because OOP's With Java is introduced in VTU curriculum from the current academic year 2017 for the students of fourth semester. It was so well taught by the corporate trainer that we assure you, the concepts both theoretical as well as practical will be taught for the student which will surely help them to gain knowledge as well as to develop their project work in future. We thank the management for giving the opportunity to attend the FDP and provided the financial assistance for the registration of FDP.

Thank You

Ms. Chandanita Thakur

Ms. Fenita F

HOD/CSE Act  
Got





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AMC ENGINEERING COLLEGE  
BANGALORE-83.  
DEPARTMENT OF CSE



This is to certify that Prof./Mr./Ms. Chandanita Thakur, OCE  
has attended a 3 day FDP on OOP's with JAVA held from 23<sup>rd</sup> to 25<sup>th</sup>  
January 2017 organized by Department of Computer Science and  
Engineering, AMC Engineering College, Bangalore.

Head- Dept. of CSE



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This is to certify that Prof./Mr./Ms. Fenita F., Oxford CE  
has attended a 3 day FDP on OOP's with JAVA held from 23<sup>rd</sup> to 25<sup>th</sup>  
January 2017 organized by Department of Computer Science and  
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18<sup>th</sup> KM Bannerghatta Road, Bengaluru - 560083

**Certificate of Participation**

This is to certify that  
Prof./Ms./Mr. CHANDANITA THAKUR  
from OXFORD COLLEGE OF ENG. has attended Faculty Development Program on  
"OOP's with JAVA" organized by Department of Computer Science and Engineering  
held from 23<sup>rd</sup> to 25<sup>th</sup> of January 2017.

*(Signature)*  
Dr. G.G. Sivasankari  
Head of Dept. of Computer Science & Engg.  
AMC Engineering College  
18th K.M., Bannerghatta Road  
Bangalore

*(Signature)*  
Dr. T.N. Sreenivasa  
Principal



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**Certificate of Participation**

This is to certify that  
Prof./Ms./Mr. FENITA F  
from OXFORD COLLEGE OF ENGG. has attended Faculty Development Program on  
"OOP's with JAVA" organized by Department of Computer Science and Engineering  
held from 23<sup>rd</sup> to 25<sup>th</sup> of January 2017.

*(Signature)*  
Dr. G.G. Sivasankari  
Head of Dept. of Computer Science & Engg.  
AMC Engineering College  
18th K.M., Bannerghatta Road  
Bangalore

*(Signature)*  
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Principal





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1055	-/-	725	3220=00	-/-	-/-	Bhuvanesh	Tea Bill	Principal office	
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1076	28/10/17	746	9100=00	-/-	-/-	Raju B.R.	purchase	consumables	
1077	30/10/17	747	12000=00	-/-	-/-	Rajadwarik	QEEC	Registration process	
1078	31/10/17	748	1450=00	-/-	-/-	Metro Technologies	Refilling of	Helix printer	





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**Technical Event on "Emerging Topics on Computational intelligence and its Application"**



Children's Education Society ®

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

THE OXFORD COLLEGE OF ENGINEERING

Hosur Road, Bommanahalli, Bengaluru-560 068

Website:www.theoxford.edu Email : enghodcse@theoxford.edu

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**Report On**

**One day Technical Event on Emerging Topics in Computational Intelligence and its Applications**

One day Technical Event on Emerging Topics in Computational Intelligence and its Applications was conducted by IEEE Computational Intelligence Society, Bangalore Chapter in association with IEEE Student Branch REVA University on 5th May 2017. We two faculties, Ms. Sowmya HK and Ms. Chandanita and 10 students from the Department of CSE attended the technical event. During the workshop we formed the students group of IEEE CIS Bangalore Chapter. On the same day there were several speakers handled sessions on Emerging Topics in Computational Intelligence and its Applications. The first session was handled by Prof. T Srinivas from Indian Institute of Science on a topic named Photonics for Quantum Communications and Quantum Computing. The second speaker, Prof. K. Gopinath Indian from Institute of Science shared his knowledge on the topic Computational Intelligence in Indic art forms. It was really vibrant and interesting. Third session was handled by Dr G.N. Rathna Indian Institute of Science on Embedded system Applications in Signal and Image processing and th last one is by Mr. Kishore from UTL Technologies on QoS latency considerations for Tactile communications. All sessions were really interesting and were very useful for all of us to upgrade our knowledge.

  
HOD/CSE

Ms. Sowmya HK

Ms. Chandanita


Artivanta



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from The Oxford college of Engg. has participated  
in one day technical event on "Emerging Topics on Computational Intelligence and it's Applications" conducted by  
IEEE Computational Intelligence Society, Bangalore Chapter on 5<sup>th</sup> May 2017 in collaboration with IEEE Student Branch  
REVA University and School of Computing & Information Technology, REVA University.

Anandi Giridharan

Chair, IEEE CIS Bangalore Chapter  
PRS, Indian Institute of Science

Prof. Shrikant Tangade

Branch Counsellor, IEEE Student Branch, &  
Asst. Prof., School of ECE, REVA University

Dr. Sunil Manvi

Principal, REVA ITM &  
Director, School of C&IT, REVA University

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2/6/17	886	100020	✓	4		Narasappa	Teach - Writing class	✓	
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**IEEE WIECON\_ECE**



**IEEE WIECON-ECE 2016**

IEEE International WIE Conference on  
Electrical and Computer Engineering 2016

19-21 December, 2016

Venue: AISSMS's Institute of Information Technology, Pune, Maharashtra, India

www.wieconece.org, info@wieconece.org

**Call for Humanitarian Project Competition**  
[Award and Travel Grant = 1800 USD]

2016 IEEE International WIE Conference on Electrical and Computer Engineering (WIECON-ECE) invites projects on Humanitarian Technology for demonstrating in HTA Special Session track. This track is sponsored by IEEE HAC. Major objectives of this session are to enhance the engineering skills of students for the improvement of peoples' lives and utilize the knowledge which has a direct impact in solving the humanitarian problems worldwide. The competition inspires engineering students to show their works and interests to serve for the resource constrained and unprivileged communities. Finding technological solutions, which can change the life-is the main objective of this competition.

**[Eligibility of Participants]**

- 1) The project must have involvement of graduate/undergraduate students. **One of the project members must be female.**
- 2) At least one of the members must attend and present their work in HTA special session of IEEE WIECON-ECE 2016

**[Focused Area]**

Humanitarian Technology Projects in the following areas are encouraged but we also appreciate projects in relevant other areas:

- 1) Physically Impaired People
- 2) Education
- 3) Health Care
- 4) Disaster Recovery
- 5) Frugal Technology
- 6) Smart Devices
- 7) Renewable Energy
- 8) Social Enterprise
- 9) Assistive Technology
- 10) Smart Nation

*12*  
*Head of dept*  
*R*

*1004701592546*  
*526761987*  
*active*

*for IEEE WIECON-ECE 2016*



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**[Selection Criteria]**

- 1) A simple project which has significant humanitarian impact will be given more value than a complex project with comparatively low humanitarian impact.
- 2) Each project needs to be exhibited physically to be evaluated.
- 3) The judgment and evaluation will be based on the innovation, results expected, sustainability. But impact on humanity, community or life will carry the highest weight.
- 4) In no case, claims of rights or ownership of the projects by any individuals/organizations other than the registered team members is expected. This may cause the cancellation of the project from the competition.
- 5) Each member of a Project who be attending the session needs to pay 10 USD (5000 tk) registration fees.

**[Prizes]**

- 1) Top five projects will be awarded total prize money of 800 USD.
- 2) Five projects will be granted travel grant of total 1000 USD.
- 3) Get free access into the HTA track of the Conference.
- 4) Certificate of Participation will be awarded to all the participating teams.
- 5) Satisfaction of working for the humanity and being the reason of someone's smile!

**[How to Submit Project Abstract?]**

- 1) Team leader of the project is requested to submit title and abstract (200 words) via <https://goo.gl/gPIRgZ>
- 2) Right one day after the submission, evaluation report with notification of acceptance will be sent so that the project member can start necessary arrangement to attend the conference
- 3) During the conference a short video describing functionality and features of the project will be required.

**[Contact]**

**A N M Nasimunnabi**

2016 Section Student Representative | IEEE Bangladesh Section

Coordinator | Humanitarian Project Contest, IEEE WIECON-ECE 2016

Email : nasimunnabi@ieee.org  
Cell : +8801712820313



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Department of Computer Science and Engineering  
The Oxford College of Engineering  
Hosur Road, Bommanahalli, Bangalore - 560 068.

**Submitted:**

The Department of Computer Science and Engineering is happy to inform that three of our project prototypes have been short listed for presentation for grant of fund of \$800 each, by IEEE- WIE conference to be held in Pune during **19<sup>th</sup>-20<sup>th</sup> December 2016**. Permission is requested to attend the same.

Projects that are shortlisted

1. Smart Stick for visually challenged persons.
2. Electronic Pill box for senior citizens.
3. Voice based Email application for visually impaired.

Preparations for the presentation:

1. Staff and Students have already made the prototype and is working
2. Video of working model is ready for presentation
3. Two A3 type posters have been made as per the requirements

Fund request

Sl No	Type of expense	Amount requested
1	Registration ( \$10 each for 3 projects) ie 68 * 30	Rs. 2040 + 680 = 2720
2	Travel for two faculty in train to present the project ( BLR to Pune ) 2440 * 2 + 1	Rs 4880 + 440 = 5320
3	Incidental expenses ( Rs 200 * 2 staff) for 2 days	Rs 800 + 400 = 1200
4	Two A3 poster/banner printing for 3 projects, Rs 60 each	Rs 180 + 60 = 240
5	Accommodation	Arranged by the event organizer
	Total	Rs 7900 - 11,480

*Handwritten signature and date*

*Handwritten signature*

*Handwritten signature*





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**IEEE WIECON\_ECE 2016**  
**IEEE International Conference on Electrical and Computer Engineering 2016**  
**19-21 December, 2016**

Venue: AISSMS's Institute of Information Technology, Pune, Maharashtra, India

**Summary Report**

**Source of funds received**

Sl.No.	Source of Income	Deposited Amount
1.	Management	Rs. 11,480/-
2.	Travel Grant from IEEE	Rs. 8,000/-
<b>Total</b>		<b>Rs. 19,480/-</b>

**Detailed Expenditure**

Sl. No.	Type of Expense	Amount Sanctioned	Actual Amount Spent	Bill No.
1.	Registration for 4 projects	Rs. 2720/-	Rs. 2092/-	1 ✓
2.	Travel for three faculty in train to present the project (BLR to Pune) Return from Pune by flight as no confirmed train tickets available	Rs. 7320/-	Rs. 13,246/-	2_1 to 2_6 ✓
3.	Incidental expenses (Rs 200 * 3 staffs) for 2 days	Rs. 1200/-	Rs. 4450/-	- ✓
4.	Three A3 poster/banner printing for 3 projects	Rs. 240/-	Rs. 1200/-	3 ✓
5.	Accommodation	-	Rs. 2092/-	4_1 & 4_2 ✓
6.	Travel funds	Rs. 8000/-	-	-
<b>Total Expenditure</b>		<b>Rs. 19,480/-</b>	<b>Rs. 23,080/-</b> ✓	-

**Final Summary**

Income	Rs. 19,480/-
Expenditure	Rs. 23,080/-
Spent from staff	Rs. 3,600/-

**Staff Name & Signature**

1. Dr. R J Anandhi
2. Ms. Shobha T
3. Mr. Bhargav

*(Signatures of Dr. R J Anandhi, Ms. Shobha T, and Mr. Bhargav)*

Principal

*Received the bills from  
03/01/17*



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## SMART STICK-An Electro-Visual aid for Visually Impaired

God gifted sense of vision to the human being is an important aspect of our life. But there are some ill-fated people who lack the ability of visualizing things. The existing aids involves usage of white stick as a tool, along with GPS for outdoor navigations and RFID cards, for indoor navigation. The demerits of this system are usage of two independent technologies apart from being risky, prone to self-injuries and expensive.

**The objective of the proposed system**, is to provide a low cost and efficient navigation aid for a visually impaired to get a feeling of artificial vision by gaining information about the environmental scenario of static and dynamic objects around them. The obstacles or objects are detected, in all three states of matters like solid, liquid, gas. The electronic stick will be integrated with ultrasonic sensor along with fire and light sensor. The ultrasonic sensor is used for detecting obstacles in solid and liquid state. The Fire sensor is used along with gas sensor for detecting the fire and smoke, along with its source of origin and activates the buzzer accordingly. On detecting any presence of an obstacle, microcontroller transmits text message to smart phone via GSM module which is given as a voice alert to the visually impaired individual. An additional feature will be included for people with night blindness or partially sighted, which allows them to detect the presence or absence of light in the room.

### **Highlights of Proposed System**

Obstacle detection for all three states of matter: solid, liquid, gas.

Focus on guiding the visually challenged individuals to move confidently in an unfamiliar environment.

Indoor or outdoor navigation using ultrasonic sensors.

Detects fire and activates voice alert.

### **Impact of the Smart Stick**

Smart stick is an innovative stick designed for visually impaired, assisting in their smooth navigation, even in unfamiliar terrain.

Cost effective and user friendly





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## E-PILL BOX

We, the people of modern world have become very busy with our day today activities and are left with very less time for our old and ailing family members. This always creates a sense of guilt and leaves the younger generation with a lot of tension with regard to providing the needed support to our family members. E-Pill Box (Electronic Medication Reminder System) is a project proposed to help old age and physically challenged family members. The E-pill box available in the market is very expensive and not affordable to common man. The main objective of this project is to enable senior citizens and physically challenged people to take the correct medicine on time with minimum dependency of family. Also the E-pill box will ease users to keep all medicines required for one week, in one small box, which can be carried around easily and also can be located easily, if misplaced, based on the transmitter and receiver system. The unit will also be provided with beep sound and LED, is tablets are not taken in time. The challenge in this project is to design device, with low cost so that this will be affordable by all class of people.

With this box, people don't even have to worry about how to manage their medication time as, this product can be provided with a display clock and reminder which will alert them about their medication time through LED glow, Beep sound, and message to the concerned person. The project can be done in a simple way with minimum low cost components that includes Sensors, Micro controller, LEDs, a small buzzer and GSM Modem along with receiver and transmitter (optional). This unit can be custom-made based on the requirements and cost factor.





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Ph: 080-61754601/602, Fax: 080 - 25730551

E-mail: engprincipal@theoxford.edu Web: www.theoxfordengg.org

**CERTIFICATE OF PARTICIPATION**

PRESENTED TO

SHOBHA . T

for presenting the humanitarian project titled

Smart Stick- An Electro-Visual aid for Visually Impaired

at the IEEE HAC Special Track of  
2016 IEEE International Women in Engineering (WIE) Conference on Electrical and Computer  
Engineering (WIECON-ECE 2016), Pune, India  
on 20<sup>th</sup> December, 2016.

Prof. Dr. Shaikh Anowarul Fattah  
Technical Program Committee Chair, WIECON-ECE 2016  
2015-16 Chairperson, IEEE Bangladesh Section

**CERTIFICATE OF PARTICIPATION**

PRESENTED TO

SHOBHA . T.

for presenting the humanitarian project titled

Cost Effective E-PILL BOX

at the IEEE HAC Special Track of  
2016 IEEE International Women in Engineering (WIE) Conference on Electrical and Computer  
Engineering (WIECON-ECE 2016), Pune, India  
on 20<sup>th</sup> December, 2016.

Prof. Dr. Shaikh Anowarul Fattah  
Technical Program Committee Chair, WIECON-ECE 2016  
2015-16 Chairperson, IEEE Bangladesh Section

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957	✓	603	880=00	✓	✓	Nagamano.V	Civil, H.Hack. Visv-vece.	
		604	Concluded	✓	✓		14CSE33.	
958	✓	605	642=00	✓	✓	G. Govinda Rajulu	(ISCPUG Comb. Prog Lab)	
959	✓	605	1570=00	✓	✓	Deepthi.C	(Analog & Digital Slab Lab)	Prog
		606	Concluded	✓	✓		15CSE37	
960	✓	607	320=00	✓	✓	H.S. Adithya	Cultural (Dr.) Theory	18maga
							& Lab. New D&R Meeting	
961	✓	608	434=00	✓	✓	Venkatesh Murthy.S.S.	(ECE 10E15647)	
962	✓	609	2472=00	✓	✓	Renuka.R.Kojur	Analog Communication 10E15647	
							and Analog Electronics Lab 15E15647	
963	✓	610	234=00	✓	✓	Yogananda.B	workshop Lab 15WSL16	
964	✓	610	938=00	✓	✓	Basavanna.S	Chemist. Lab 15CH647	
965	✓	612	3000=00	✓	✓	K. Palanivel.	Attending Conference Bangalore	
966	✓	613	10000=00	✓	✓	Kusum Paul.	Conducting FDP.	
967	✓	614	938=00	✓	✓	Saraswathi.R.Puragin	(ISCPUG Program Lab)	
968	✓	615	902=00	✓	✓	Preeti Sangamesh	(Computer Prog. 15CPUG)	10E15647
969	✓	616	830=00	✓	✓	Venkatesh.P.	(Civil. 14CSE33)	
970	✓	617	11480=00	✓	✓	Shobha.T	Attending 2 <sup>nd</sup> IEEE Conference in PUNE for 1 <sup>st</sup> & 2 <sup>nd</sup> 2016.	
971	✓	618	515=00	✓	✓	Ananda.Gile	14E1413, H.Hack Project.	
972	✓	619	868=00	✓	✓	Praveena Kumar	P.S.H.E. cv. No. 15PH41/14/17/18/19/20/21/22/23/24/25/26/27/28/29/30/31/32/33/34/35/36/37/38/39/40/41/42/43/44/45/46/47/48/49/50/51/52/53/54/55/56/57/58/59/60/61/62/63/64/65/66/67/68/69/70/71/72/73/74/75/76/77/78/79/80/81/82/83/84/85/86/87/88/89/90/91/92/93/94/95/96/97/98/99/100	

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8-01-2019  
Bangalore

From  
LATHA R  
Dept of CSE.  
Assistant Professor.  
TOCE

To  
The principal,  
The Oxford College of Engineering,  
Bangalore.

Respected Sir.

Sub: permission to provide registration fees for FDP-Reg

AS New Horizon college of Engineering is organizing five days FDP on 'Big data Analytics' from 21-1-2019 to 25-1-2019  
Kindly permit me to attend the FDP and requesting you to provide the registration fee: 500/-

Thanking you

Gen 5 days FDP on Big Data @ New Horizon college of Engg CSE dept. please to the needful.

*[Signature]*  
Principal  
9/1/19

Your's faithfully  
*[Signature]*  
LATHA R





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**REGISTRATION FORM**

Faculty Development Programme  
on

"Big Data Analytics"  
(15CS82 CBCS as per VTU Syllabus )

**21<sup>st</sup> to 25<sup>th</sup> January, 2019**

Name of the applicant: \_\_\_\_\_

Academic Qualification: \_\_\_\_\_

Name of the Institution: \_\_\_\_\_

Department: \_\_\_\_\_

Registration: \_\_\_\_\_

Communication Address with PIN code: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Mobile: \_\_\_\_\_

Home: \_\_\_\_\_

NO: \_\_\_\_\_ Date: \_\_\_\_\_

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

I hereby declare that the above mentioned information is true to the best of my knowledge and belief. I shall attend the programme for the entire duration if selected.

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Applicant's Signature

**SPONSORSHIP CERTIFICATE**

This participant is hereby permitted to attend the five days FDP on Big data analytics if selected.

Signature of the  
Principal/Director

**Chief Patron**

Dr. Mohan Manghnani  
Chairman, NHCE

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Vice Chancellor, VTU

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Prof & Dean-Academic, NHCE

Dr. Gopalakrishnan  
Prof & Dean-R&D, NHCE

Dr. Satish Babu  
Professor, Dept of CSE, RVCE

Mr. Rajesh Babu Nalkurthy  
Product Development Manager, Honeywell

Mr. A V Vijay Kumar  
Senior Architect, Wipro

**Resource Persons**

Mr. Manoj M  
Lead Software Engineer,  
Fidelity Investments Ltd

Mr. P. Chandrashekar  
Senior Software Engineer  
Impetus Info Tech



Five Days Faculty Development Programme  
on

"BIG DATA ANALYTICS"  
(15CS82 CBCS as per VTU Syllabus)

**21<sup>st</sup> to 25<sup>th</sup> January 2019**

**Organized by**

Department of  
Computer Science and Engineering

**in association with**

VTU & CSI



Outer Ring Road, Near Marathalli, Bellandur Main Road,  
Bengaluru, Karnataka 560103



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**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**  
**THE OXFORD COLLEGE OF ENGINEERING**

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Website: www.theoxford.edu Email : engprincipal@theoxford.edu

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**REPORT**

I, Ms. Latha R, Assistant Professors, Department of Computer Science and Engineering, TOCE had participated in Five days Faculty Development Programme on "Big Data Analytics: A complete hands on Approach", held on 21<sup>st</sup> January 2019 to 25<sup>th</sup> January 2019, at New Horizon College of Engineering, Bangalore organized by Department of Computer Science and Engineering. The first day was inaugurated by Dr. Manjutha, Principal, NHCE, Bangalore, followed by the first session on "Introduction to Big data Analytics, Overview to the program", was given by Mr. Kumar saurabh, Senior Data Scientist, Mind Tree, Bangalore. The second session with "Neural Networks with Hands on" was very informative session where the concepts of statistics was taught.

The 5 days FDP covered Regression, Decision trees, Neural networks, Naive Bayes with hands on session using Anaconda, Data warehousing concepts, AWS, Amazon Athena and hands on session using AWS, accessing S3 (secured storage service) etc. Hands on R-studio was provided to give practical knowledge on regression, generating training set data and validating set data. It also includes Business intelligence concepts and hands on session on Hadoop tools, Hbase, spark and hive. Creation of Virtual Machine, executing Pig and Hive commands using cloudera was demonstrated in hands on session.

The related course material was also provided for better understanding of the concepts. The session was very organized and well planned. It is useful especially for the faculties handling the subject. All sessions were very useful and informative in the new area of Big data Analytics, Data mining, web mining and mapreduce program. We assure you that the new concepts will be taught and used for the projects of the UG and PG students of CSE department. We thank the management for giving the opportunity to attend the FDP.

Thanking You,

Ms. Latha R



HOD/CSE



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VJAYA BANK  
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Bangalore - 560 068

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING



VTU SPONSORED  
Five Days Faculty Development Programme on  
"BIG DATA ANALYTICS"  
(15CS82 CBCS as per VTU Syllabus)  
(21<sup>st</sup> Jan 2019 - 25<sup>th</sup> Jan 2019)



Attendance

This is to certify that Mr/Ms/Dt/Prof Latha. R of  
The Oxford College of Engineering has attended the VTU  
Sponsored five days faculty development programme on "Big Data Analytics" during the period  
21<sup>st</sup> January 2019 to 25<sup>th</sup> January 2019.







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**"Big Data Analytics"**



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Department of Computer Science and Engineering



VTU Sponsored

Faculty Development Programme on



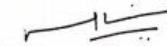
**"BIG DATA ANALYTICS"**


(15CS82 CBCS as per VTU Syllabus)


In association with CSI

**Participation Certificate**

This is to certify that Prof./Dr./Mr./Ms. Latha. R  
of The Oxford College of Engineering has participated in Faculty  
Development Programme on "Big Data Analytics" from 21<sup>st</sup> to 25<sup>th</sup> January, 2019.

  
Dr. B. Rajalakshmi  
HoD-CSE & Convener

  
Dr. Prashanth. CSR  
Dean - Academics

  
Dr. Manjunatha  
Principal



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2-1-19

The Principal,  
The Oxford College of Engineering,  
Bommanahalli, Hosur Road,  
Bangalore - 560068.

From  
Shobha T.  
AP, Dept of CSE, TOCE,  
B404 - St0018

Subject: Requesting for sanctioning registration Amt of Rs 2000/-  
to attend FDP in NHCE, Bham from 7/1/19 to 11/1/19.

Respected Sir,

I, Shobha T, is hereby requesting you to grant  
amount of Rs 2000/- for attending FDP in NHCE  
from 7/1/19 to 11/1/19. towards the registration fees.  
Kindly do the needful,

Thanking you,

Forwarded to Principal  
Form 7  
for 1402

2000 by registration amount  
to 2000/- sanctioned

Yours Truly  
Shobha T  
[Shobha T]  
2-1-19

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BIC: VIJABN

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Pay to the order of Shobha T

₹ 2000.00

Amount in words Two thousand only

Alt. No. 181801011000570

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**DD / CHEQUE / CASH PAYMENT VOUCHER**

Date: 02/01/19

PAID TO M/s. SHOBHA T

a sum of Rupees Two thousand only

on account of Payment of Inv. No. \_\_\_\_\_ dt. \_\_\_\_\_

payment for Advance registration fee & FDP in NACE  
Machine learning with Python

Rs. 2,000/-

Shobha T  
Receiver's Signature

Passed for Payment Rs. \_\_\_\_\_

Chairman / Executive Director / Principal





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Sl. No. : 232      RECEIPT      Date: 11-1-19  
Name : Prof. Shobha T  
Reg No. : \_\_\_\_\_  
Course : \_\_\_\_\_      Sem : \_\_\_\_\_

Sl. No.	Particulars	Rs.	Pk.
1.	Application Form		
2.	Certificate / Letter		
3.	Blue Book		
4.	Record Book		
5.	I.D. Card		
6.	Charge Card		
7.	Lab Breakages		
8.	Library Fine		
9.	Other <u>FDP Reg</u>	<u>2000</u>	
10.	Fees <u>(F)</u>		
11.	Hostel Fees <u>3000</u>		
12.	Hostel Deposit		
TOTAL		<u>5000</u>	

(In words Rs. Two thousand only)

Signature \_\_\_\_\_

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Ministry of Human Resource Development, Government of India

**ATTENDANCE CERTIFICATE**

This is to certify Mr/Ms/Dr. Shobha T of The Oxford College of Engineering, Bengaluru has attended Five days Faculty Development Programme on Machine Learning with Python: A Complete Hands On Approach organised by Department of Information Science and Engineering from 7<sup>th</sup> January 2019 to 11<sup>th</sup> January 2019.

Dr. R. Anandhi  
Prof. & HOD-ISE  
Convener, FDP



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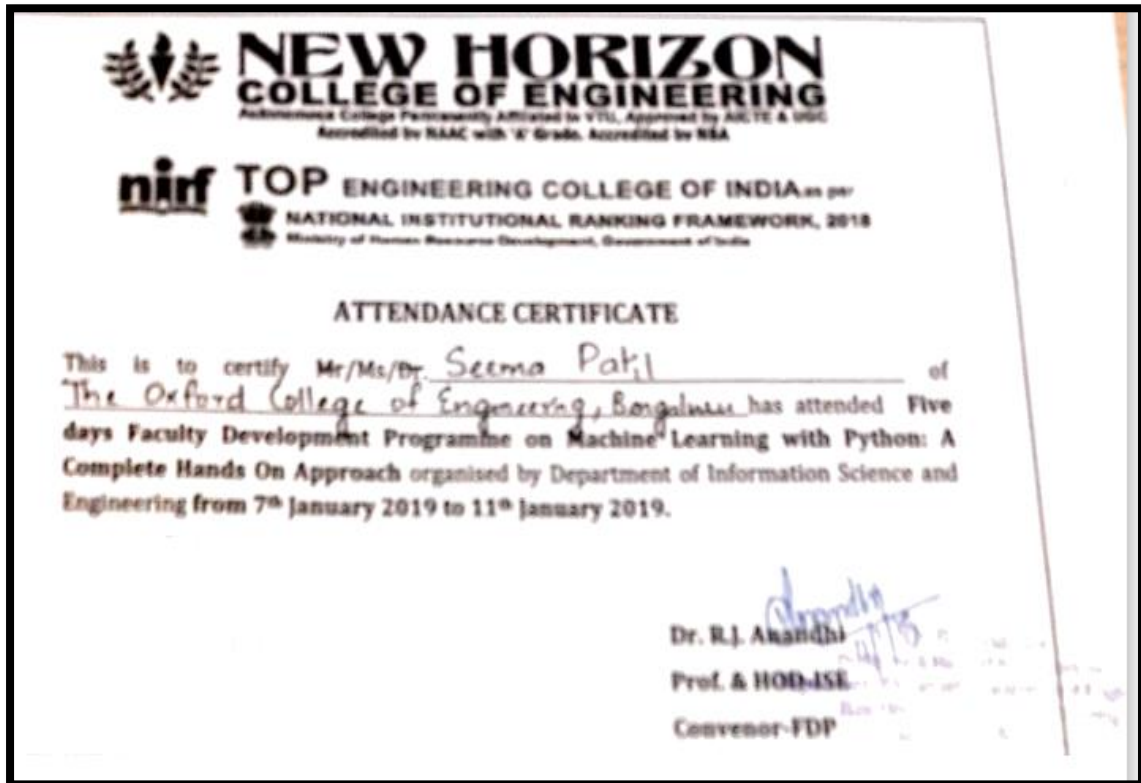
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**Machine Learning with Python-A Complete Hands-on Approach**





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Department of Information Science and Engineering  
Faculty Development Programme on  
**MACHINE LEARNING WITH PYTHON**  
A Complete Hands on Approach



**Certificate**

This is to certify that Prof. Shobha T  
of The Oxford College of Engineering has participated in five days Faculty Development  
Programme from 07<sup>th</sup> January to 11<sup>th</sup> January 2019 in association with CSI Student Chapter and  
Xobin Technologies Pvt. Ltd. at New Horizon College of Engineering, Bengaluru.

*Guruprakash*

Mr. Guruprakash S  
CEO, Xobin Technologies

*Anandhi*  
Dr. R J Anandhi  
Convener

*Manjunatha*

Dr. Manjunatha  
Principal



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Department of Information Science and Engineering  
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A Complete Hands on Approach



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Xobin Technologies Pvt. Ltd. at New Horizon College of Engineering, Bengaluru.

*Guruprakash*

Mr. Guruprakash S  
CEO, Xobin Technologies

*Anandhi*  
Dr. R J Anandhi  
Convener

*Manjunatha*

Dr. Manjunatha  
Principal





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**REGISTRATION**  
 Five Days Faculty Development Programme on  
 "Machine Learning with Python – A Complete Hands on Approach"  
 7<sup>th</sup> January - 11<sup>th</sup> January 2019

Name: Dr. Prof. SHOBHA.T  
 Academic Qualification: M.Tech. (Ph.D)  
 Designation: Associate professor  
 Name of the Institution: TOCE  
 Location Address with PIN code: TOCE, Dept. of CSE, TOCE-560068

Mobile: 9481810739  
 Email: T.Shobha.lakesh@gmail.com  
 Transaction No. VITBH19003091389 Date: 02/01/2019  
 Bank: VITAYA BANK  
 Place: BENGAURU

The above mentioned information is true to the best of my knowledge and belief I agree to abide by the rules and regulations governing the FDP Programme. I shall attend the Programme for the entire duration.

**SPONSORSHIP CERTIFICATE**  
 Certified that we sponsor Dr/Prof. SHOBHA.T  
 for attending FDP to be held at New Horizon College of Engineering  
 from 7<sup>th</sup> January – 11<sup>th</sup> January 2019

*Shobha.T*  
 Signature of Faculty

*[Signature]*  
 Signature of Principal  
 with Seal

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Convener  
 Dr. R. J. Anandhi  
 Professor & HOD, Dept. of ISE, NHCE

Co-ordinators  
 Dr. Mohankumar S  
 Assoc. Prof. Dept. of ISE, NHCE

Mr. Gangadhar Immadi  
 Asst. Prof. Dept. of ISE, NHCE

Mr. Vikas B D  
 Asst. Prof. Dept. of ISE, NHCE

Registration  
 There is a registration fee of amount Rs. 2000/- to be paid through NEFT. The details for the NEFT are as follows:  
 Bank Name: Indian Bank  
 Branch Name: New Horizon College of Engineering Branch, Bengaluru  
 Account Number: 484700078  
 Account Type: Savings Bank Account (SB)  
 FSC Code: IDIB000N112

- Preference will be given to dynamic faculty members who are working in Engineering Colleges, Research Scholars / Industry Persons
- Selection will be made on first-come, first-serve basis and is limited to 40 candidates.
- Further details will be intimated through E-mail only
- Tea & Working lunch will be provided along with registration kits
- Faculty members who wish to attend should submit the filled-in registration form forwarded by Head of the Institution to the Coordinator by post on or before 31.12.2018

Scanned copy of the filled-in application form along with proof of transaction needs to be E-mailed to [nhce.ise.events@gmail.com](mailto:nhce.ise.events@gmail.com)

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Five Days Faculty Development Programme  
 on  
**Machine Learning with Python**  
 A Complete Hands on Approach  
 7<sup>th</sup> January – 11<sup>th</sup> January 2019  
 Organized by  
 Department of Information Science and Engineering

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**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**

**THE OXFORD COLLEGE OF ENGINEERING**

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080-30219601/02, Fax : 080-25730551,30219629

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## REPORT

We, Ms. Shobha T, Ms. Seema Patil and Ms. Sowmya HK, Associate Professors, Department of Computer Science and Engineering, TOCE had participated in Five days Faculty Development Programme on "Machine Learning with Python: A complete hands on Approach", held on 07<sup>th</sup> January 2019 to 11<sup>th</sup> January 2019, at New Horizon College of Engineering, Bangalore organized by Department of Computer Science and Engineering. The first day was inaugurated by Dr N C Nagaraj, Principal, NMIT, Bangalore, followed by the first session on "Introduction to Machine learning, Case studies, Overview to the program", was given by Mr. GuruPrakash, Founder & CEO Xobin Technologies, Bangalore. The second session with "Introduction to Descriptive statistics & inferential statistics" was very informative session where the concepts of statistics was taught. The third session give the basic introduction on Python with problem solving. With this session all fundamentals related to python was solved hands-on.

On day 2 the session begin with 45 minutes "Hakathon on Python" in which we explore more programming concepts of Python, followed by session "Jupyter Overview and Introduction to pandas, Excercises in pandas", in which we learned about built in library with all its features. Followed by "Introduction to Numpy & MATPLOTLIB and Exercises in NumPy" in which the new library Numpy was explored with all its options. The session on "Scaling Machine learning data-1 and data 2 with Solving exercises" made all of us to code python programs with measuring parameters on Diabetes data set and general data set.

On day 3 the session started with "Baseline models and evaluation metrics with Exercises" with hands-on practical implementation of models on dataset was demonstrated. The sessions like "Simple Linear Regression- Theory and Project" and "Multivariate Linear Regression Theory - Theory and Project" and "Logistic Regression Theory and Project" was discussed with practical hands-on session with proper data set.



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On day 4 the session begin with "Perception- Theory and Project" followed by " Naive Bayes- Theory and Project " followed by the session "Support vector machine and k nearest Neighbourhood, LVQ". All the session was hands-on practical implementation of concepts with diabetes data set, IRIS data set and local data set.

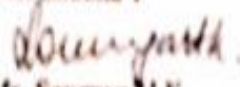
On day 5 the session were "PCA" implemented with dataset followed by "Back propagation" implemented with dataset followed by the session " Introduction to Recommender Systems with case studies,NLP with Tensorflow-1 and 2" in which the basics of NLP was given.

All sessions were very useful and informative in the new area of Machine learning, optimization, computational intelligence.We assure you that the new concepts will be taught and used for the projects of the UG and PG students of CSE department. We thank the management for giving the opportunity to attend the FDP.

Thanking You.

  
Ms. Seema Patil

  
Ms. Shobha T

  
Ms. Soumya H K



HOD/CSE





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To,  
The principal  
The Oxford college of Engineering  
Bommanahalli, Bangalore - 68

Date: 15/12/2020  
Place: Bengaluru

From,  
Prof. Dharamveer, Dept of MCA  
Dr. Kathiveeran, Dept of MBA  
Prof. Shobha T, Dept of CSE  
Prof. Kokile, Dept of ICE  
Prof. Sowmyapudumani, Dept of ECE  
TOLC, Bangalore - 68

Sub: Requesting for Rs 5000/- towards the registration amount for National Workshop on NIRF India Rankings.

Respected Sir,  
we, above mentioned are hereby requesting you to sanction amount of Rs 5000/- towards the registration amount for attending two day workshop on "NIRF India Rankings for Higher Educational Institutions" on 18<sup>th</sup> and 19<sup>th</sup> Jan 2021, conducted by Institute for Academic Excellence.  
So, kindly do the needful in this regard.

Thanking you,

Yours truly  
Dharamveer  
(Prof. Dharamveer)  
(Dr. MHTO)  
(Dr. Kathiveeran)  
Shobha T  
(Prof. Shobha T)  
Kokile  
(Prof. Kokile)  
Sowmyapudumani  
(Prof. Sowmyapudumani)

MC

PRINCIPAL

The Oxford College of Engineering  
Bommanahalli, Hosur Road  
Bangalore - 560 068

Project No.	144/2020 - 18/12/20
Amount	5000/-
Received by	5044

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**Program on NIRF Ranking**

**Gmail**  
Oxford Educational Institutions <engprincipal@theoxford.edu>

Request for participation regarding  
1 message  
26 November 2020 at 17:28

IAE Info: info@iae.education  
Doc: engprincipal@theoxford.edu

**National Workshop on  
"NIRF India Rankings for Higher Educational Institutions"  
Conducted by Institute for Academic Excellence**

Dear Sir/Madam,

"Ranking, Accreditation and Grading of Institutions" is perceived as a very important parameter by the stakeholders of all Higher educational Institutions. MHRD established NIRF for ranking of HIEs in 2016 and it is being improved upon year by year.

In view of the importance being assigned to this process, to support the Higher Educational Institutions, we conducted a two day workshop on "Quality Enhancement Measures in Higher and Technical Education with a special focus on NIRF Rankings" on 18<sup>th</sup> and 19<sup>th</sup> October 2019, which was well appreciated by all the delegates. We (IAE-KAB) propose to conduct a similar event this year also on 18 and 19<sup>th</sup> January 2021.

In view of the current pandemic situation and with the experience gained from last year's event this year's programme will be as follows:

1. The 'workshop' will be in "on line mode" for two days 18<sup>th</sup> and 19th January 2021.
2. It will be conducted "category-wise". To be more specific the schedules will be arranged on different days and times which will enhance its efficacy and appropriateness to different streams.
3. The registration fee is Rs.5,000 per institution/college.
4. An Institution/College may nominate five of their faculty members.

We do hope you will make use of this opportunity. Please visit our website "www.iae.education" for registration details. The last date for registration is 31-12-2020.

With regards  
-Dr. M. Kamala Rani

For any query please contact [info@iae.education](mailto:info@iae.education)  
Mobiles & WhatsApp: +91-9618739900 / 7702078493 / 9494572862.  
Land Line: 040-27654225

*Dr. Navin to coordinate*  
*for Approval from*  
*Directors and*  
*Chairman Sir.*  
*Dr. Navin*  
*27/11/2020.*

*Original with csc department*

Description	
Paid by Cheques No	1444270
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Account No	5844
Institution	
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Description	18-12-20	5044
Pay by Cheque No.	194429	Children's Education Society (Regd.)
Amount	: 5000/-	1st Phase, J. P. Nagar, Bangalore - 560 078.
Cheque No.	: 5044	
Instruction	: THE OXFORD TOCE	
DD/CHEQUE / CASH PAYMENT VOUCHER		
Date		: 17/12/2020
PAID TO M/s. <u>SHOBHA-T</u>		
a sum of Rupees <u>FIVE THOUSAND ONLY</u>		
on account of Payment of Inv. No. _____ dt. _____		
payment for <u>Attending workshop on 'NIEF Ranking'</u>		
<u>On 18<sup>th</sup> Jan &amp; 19<sup>th</sup> Jan 2021</u>		
Rs.	<u>5000/-</u>	Receiver's Signature
Passed for Payment Rs.		<u>Shobha-T</u> (9481810731)
Chairman / Executive Director The Oxford College of Engineering Bommanahalli, Hosur Road Bangaluru - 560 068		





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**Awareness workshop**  
**NIRF INDIA RANKINGS - 2021**  
**for Higher Educational Institutions**

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OF PARTICIPATION

This is to certify that Prof./Dr./Mr./Ms. Prof. Shobha Associate Professor, Department Of Cse,  
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**NIRF INDIA RANKINGS - 2021**  
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**CERTIFICATE**  
OF PARTICIPATION

This is to certify that Prof./Dr./Mr./Ms. Prof. P Kokila, Assistant Professor, Department Of Ise,  
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Sl.No. : 0368/2021

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**for Higher Educational Institutions**

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OF PARTICIPATION

This is to certify that Prof./Dr./Mr./Ms. **Dr. M Kathiravan, Associate Professor, Department of MBA, The Oxford College of Engineering** has participated in the two day "Awareness workshop - NIRF INDIA RANKINGS - 2021 for Higher Educational Institutions" held on-line on 18th & 19th January 2021 by Institute for Academic Excellence in collaboration with Collegiate Education & Technical Education Department, Govt. of Telangana.

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**Awareness workshop**  
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**for Higher Educational Institutions**

**CERTIFICATE**  
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This is to certify that Prof./Dr./Mr./Ms. Prof. Sowmya Padmakumari, Department Of Eee,  
The Oxford College Of Engineering,

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**Audited statement for staff welfare measures**

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NOTES TO INCOME & EXPENDITURE as at 31/03/2017

NOTE - 11  
ADMINISTRATION AND OTHER OPERATING EXPENSES

Particulars	31/03/2017	31/03/2016
Advertisement Expenses	28,44,167	10,21,665
Power charges RR No. 1126404S8HT60	25,29,031	20,02,535
Placement Traing and Consultancy	18,24,624	29,40,152
Security Charges	17,64,034	25,10,196
Diesel for Engg Buses	16,67,369	24,56,287
House Keeping Expenses	16,66,694	20,41,885
Repairs & Maintenance	14,52,515	8,34,003
Diesel for Water Tanker	10,96,982	7,39,258
Telephone Expenses	9,78,747	8,86,905
Printing & Stationery	9,45,293	11,89,046
Annual/Inaugural/Felicitation	6,61,529	7,26,740
Annual Maintenance Charges	5,45,068	15,22,441
Pooja Expenses	4,41,161	6,08,619
Sports Expenses	4,01,434	1,70,845
Office Maintenance	3,67,947	1,44,020
Lab Maintenance & Consumables	3,18,605	8,65,851
Seminar/Workshop/Competition	2,80,062	2,46,682
Building Insurance Premium	1,68,751	1,67,284
Staff Welfare Expenses	1,68,490	2,04,617
Travelling & Conveyance	1,60,118	97,384
Generator Maintenance	1,53,814	6,87,691
Project Expenses	1,38,080	18,61,238
Spot Admission Expenses	1,22,500	-
Audit fees	1,15,000	1,15,000
Bank Charges	1,04,486	77,698
Membership & Subscription fees	1,00,000	2,07,363
Guest Lecture Expenses	92,564	1,51,050
Student Welfare Expenses	90,000	1,22,520
Inspection Expenses	87,588	3,72,241
Building Rent -Bhaves P Shah	82,090	4,71,035
News Paper & Periodicals	34,038	9,67,802
Postage & Telegram	32,310	43,574
Interest on TDS & Other charges	32,034	1,14,102
Professional Tax Renewal fees & Expenses	17,205	-
Legal & Consultancy Charges	5,550	12,19,000
Examination Expenses	-	16,712
KRLMP - Expenses	-	2,00,000
Professional Charges	-	1,140
<b>TOTAL</b>	<b>2,14,89,879</b>	<b>2,80,04,580</b>



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NOTES TO INCOME & EXPENDITURE as at 31/03/2019

NOTE - 10

ADMINISTRATION AND OTHER OPERATING EXPENSES

Particulars	31/03/2019	31/03/2018
Accreditation Fees	24,78,000	-
Power charges RR No. 1126404S8HT60	22,42,997	26,94,097
Diesel for Water Tanker	20,60,545	14,84,282
Seminar/Workshop/Competition	19,64,145	7,69,363
Pre-Placment Traing Expenses	17,70,750	47,61,536
Printing & Stationery	16,24,872	7,53,039
Repairs & Maintenance	12,23,503	13,70,568
Office Maintenance	11,63,207	4,55,502
Telephone Expenses	10,23,018	3,80,354
Advertisement Expenses	7,88,442	13,73,993
Annual/Inaugural/Felicitation	5,80,293	4,22,955
Soft Skill Training	5,00,000	-
Sports Expenses	4,71,951	6,14,122
Pooja Expenses	4,69,368	4,43,034
Diesel for Engg Buses	4,47,807	7,08,327
Travelling & Conveyance	3,97,434	2,12,733
Inspection Expenses	3,34,784	1,51,500
Lab Maintenance & Consumables	2,94,531	12,88,767
Audit fees	1,18,000	1,21,000
Staff Welfare Expenses	86,888	1,38,570
student & Staff Group Accident Insurance Premium	82,836	99,383
Guest Lecture Expenses	66,500	77,700
Bank Charges	64,275	71,675
News Paper & Periodicals	53,205	33,280
Building Insurance Premium	50,026	90,860
Vehicle Maintenance	41,617	-
Postage & Telegram	31,218	31,095
Project Expenses	16,273	23,38,107
Examination Expenses	10,000	-
Legal & Consultancy Charges	5,000	53,810
Membership & Subscription fees	4,200	2,875
Professional Tax Renewal fees & Expenses	2,500	2,500
Annual Maintenance Charges	-	3,38,668
KRLMP Expenses	-	2,00,000
House Keeping Expenses	-	1,80,147
Annual Membership Fees	-	1,00,000
Student Welfare Expenses	-	98,900
Sports Expenses	-	-
<b>TOTAL</b>	<b>2,04,68,185</b>	<b>2,18,62,742</b>



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NOTE - 10

ADMINISTRATION AND OTHER OPERATING EXPENSES

Particulars	31/03/2021	31/03/2020
Project Expenses	64,38,627	24,23,696
Electricity Charges - Solar	21,08,886	10,13,278
Seminar/Workshop/Competition	16,55,826	6,20,468
Diesel for Water Tanker	15,64,783	8,57,095
Lab Maintenance & Consumables	12,69,506	9,21,822
Advertisement Expenses	11,30,759	12,21,487
Repairs & Maintenance	10,87,831	12,13,883
Legal & Consultancy Charges	10,45,000	1,73,000
Power charges RR No. 1126404S8HT60	8,41,961	16,35,668
Pre-Placment Traing Expenses	7,95,000	11,85,944
Printing & Stationery	5,42,450	11,49,700
Office expenses	3,59,511	-
Internet Charges	3,14,272	4,76,269
Pooja Expenses	3,13,300	3,96,700
Building Insurance Premium	2,00,128	1,53,073
Membership & Subscription fees	1,85,080	1,25,020
Annual Maintenance Charges	1,58,795	4,94,102
Office Maintenance	1,43,445	4,85,897
Audit fees	1,18,000	1,18,000
Inspection Expenses	94,536	2,01,495
Sports Expenses	73,290	5,34,916
Amount no longer receivable	90,560	-
Travelling & Conveyance	50,036	2,07,370
Bank Charges	39,960	1,47,097
Soft Skill Training Expenses for Students	25,000	13,36,040
Examination Expenses	19,950	1,29,350
Staff Welfare Expenses	19,575	1,15,127
Postage & Telegram	14,034	23,627
Annual/Inaugural/Felicitation	9,600	7,19,816
News Paper & Periodicals	6,604	45,588
Telephone Expenses	3,622	7,064
Professional Tax Renewal fees & Expenses	2,500	2,500
Accrediation Fees	-	4,99,187
Diesel for Engg Buses	-	2,24,896
Guest Lecture Expenses	-	92,500
Student & Staff Group Accident Insurance Premium	-	69,970
Generator Maintainance	-	69,019
Student Welfare Expenses	-	39,195
Vehicle Maintenance	-	4,490
<b>TOTAL</b>	<b>2,07,22,427</b>	<b>1,91,34,348</b>



PRINCIPAL

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