

### 6.3.3. The Program Details with Brochures, Reports with Photographs and List of Participants for the academic year 2016-2017



**REGISTRAR**  
Karpagam Academy of Higher Education  
(Deemed to be University Under Section 3 of UGC Act 1956)  
Pollachi Main Road, Eachanari Post,  
Coimbatore - 641 021.



**Training Program**

**ON**

**Laboratory stock Maintenance for non-teaching  
staffs**

**JUNE 10<sup>th</sup> 2017**

**Organizing Secretary**

**Dr. M.Palaniswamy**

**Prof & Head Department of Microbiology**

Karpagam University

**Co Ordinator**

**Dr. R. Usha**

For Enquiries contact:

Mobile number: 9865068286

Email: ushaanbu09@gmail.com

**SPEAKER**

**Dr. M. Kulandhaivel,**

**Associate Professor & Head**

**Dept. of Microbiology**

**Karpagam University**



**TRAINING PROGRAM**

**ON**

**LABORATORY STOCK MAINTENANCE  
FOR NON-TEACHING STAFFS**

**JUNE (10.06.2017)**

**Department of Microbiology**



**KARPAGAM ACADEMY OF HIGHER EDUCATION**

**(Deemed to be University)**

**(Established Under Section 3 of UGC Act 1956)**

**Pollachi Main Road, Eachanari Post,**

**Coimbatore – 641 021**

**Phone: 0422-6471113-5, 6453777 Fax No: 0422 -2980022-3**

**Email: info@karpagam.com Web: [www.kahedu.edu.in](http://www.kahedu.edu.in)**



## **DEPARTMENT OF MICROBIOLOGY**

**CORDIALLY INVITES YOU FOR THE**

**TRAINING PROGRAMME**

**ON**

**LABORATORY STOCK MAINTENANCE FOR NON-TEACHING  
STAFFS**

**On 10<sup>TH</sup> June, 2017 at 10.30 am**

**at**

**MICROBIOLOGY LABORATORY**

**Dr.M.Kulandhaivel**

**Associate Professor**

**Dept. of Microbiology,**

**Karpagam Academy of Higher Education**

## **Report on Laboratory stock maintenance Program for non-teaching staffs**

**Held during 10<sup>th</sup> June, 2017**

A Oneday training program on Laboratory Stock Maintenance held during 10<sup>th</sup> June, 2017, at Department of Microbiology, Karpagam Academy of Higher Education. The training program provided participants with the Inventory Control Register tells you which items are in stock, how much of each item is in stock, how much of each item is used per day, and, based on that, whether a new order for that item is needed. The system contains the specifications and the supplier details of each item to ensure that the correct product is ordered at the right supplier. Adequate in - house staff is employed to meticulously maintain hygiene, cleanliness and infrastructure on the campus so as to provide a congenial learning environment. Classrooms, Staffrooms, Seminar halls and Laboratories are cleaned and maintained regularly by Non - teaching staff assigned for each floor.





The major topics covered during session include to calculate the items still in stock using the Stock cards you can also update the Inventory Control Register. The program immensely helped participants acquire fundamental understanding of the equipment maintenance lab maintenance.

**Attendance report for Laboratory Stock Maintenance for Non- Teaching Staffs**

**Held during 10<sup>th</sup> June, 2017**

**Organized by: Department of Microbiology**

Sl. No.	Name of the Faculty	Department
1	Y. Ranganayaki	Biotechnology
2	P. Maheshwari	Microbiology
3	M.Janaki	Biochemistry
4	V.Prema Latha	Microbiology
5	S. Santhamani	Biochemistry



## ORGANIZING COMMITTEE

### CHIEF PATRON

**Dr. S. SUDALAIMUTHU**

Vice Chancellor,

Karpagam Academy of Higher Education

### PATRONS

**Dr. R.Sundararajan,**

Registrar

Karpagam Academy of Higher Education

**Dr.G.K.D.PrasannaVenkatesan,**

Dean, Faculty of Engineering,

Karpagam Academy of Higher Education

### CONVENOR

**Dr.P.Shanmughasundram**

**HOD, Automobile Engineering**

Karpagam Academy of Higher Education

### ORGANIZING SECRETARY

**Dr.K.K.PADMANABHAN**

Professor,

Department of Automobile Engineering

Karpagam Academy of Higher Education

### CO-ORDINATOR

**Mr.R.MADHAVAN**

AP, Dept of Automobile Engineering,

Karpagam Academy of Higher Education,

For Enquiries contact:

Cell: 9677176142, 8903500032

## PROGRAMME SCHEDULE

Inauguration 9.30am-1.30am

### DAY I

**Session:**11.00 am - 04.30 pm

Topic : History of five stages of PLM

Speaker: Dr.V M.Murugesan

ASP, Dept.Of Automobile Engineering,

PSG College of Technology,Coimbatore

### DAY II

**Session:**10.00 Am - 4.30 Pm

Topic: Four phases of PLM

Speaker: Mr. S.Sivakumar

ASP, Department of Automobile Engineering,

Kumaraguru College of Technology, Coimbatore

### DAY III

**Session:**10.00 Am - 4.30 Pm

Topic :Importance of PLM

Speaker: Dr. S. Mohankumar

Kumaraguru College of Technology,

ASP, Department of Automobile Engineering,

Coimbatore

### DAY IV

**Session:**10.00 Am - 4.30 Pm

Topic:Stages of PLM

Speaker: : : Dr.R.Padmanaban,

Professor, Department of Mechanical Engineering,

Amrita Vishwa Vidyapeetham,Coimbatore

### DAY V

**Session:**10.00 Am - 4.30 Pm

Topic :Product and Process of LM

Speaker: :Dr.K..Karthikeyan

Professor, Department of Mechanical Engineering,

Sri Ramakrishna Engineering College,Coimbatore.

### DAY VI

**Session:**10.00 Am - 4.30 Pm

Topic : PLM organizations

Speaker: Mr. Anbu. G.

Professor,

Department of Automobile Engineering,

Karpagam college of Engineering,Coimbatore

### DAY VII

**Session:**10.00 Am - 4.30 Pm

Topic :Analysis of Life Cycle Management

Speaker: : Dr.E.Rajasekar

Professor, Automobile, IRTT,

Erode,TN



## KARPAGAM ACADEMY OF HIGHER EDUCATION

### A Joint Programme of Centre for Human Resource Development and Department of Automobile Engineering

### Seven Days Short Term Course on “PRODUCT LIFE CYCLE MANAGEMENT”

**05<sup>th</sup> JUN 2017 to 12<sup>th</sup> JUN 2017**

### Organized by Department of Automobile Engineering

**Venue :Bharathi Hall**

**REPORT ON**  
**A JOINT PROGRAMME OF**  
**CENTRE FOR HUMAN RESOURCE DEVELOPMENT**  
**AND**  
**DEPARTMENT OF AUTOMOBILE ENGINEERING**  
**Seven days Short Term Course on**  
**“PRODUCT LIFE CYCLE MANAGEMENT”**  
**From**  
**05.06.2017 to 12.06.2017**

This one-week Short Term Course (STC) was organized successfully with participation of faculty members. The STC addresses the various aspects of Product life cycle management and promotes student centric effective teaching-learning pedagogy among the participants. This course was aimed for teachers who are teaching various disciplines of science and engineering subjects in our Karpagam academy of Higher education . There were six number of faculties registered for this programme and successfully completed the programme.

Dr.V M.MURUGESAN, ASP, Dept. Of Automobile Engineering, PSG College of Technology, Coimbatore inaugurated the programme.

In his inaugural address, Dr .V M.MURUGESAN stressed upon the paradigm changes from black board based teaching to modern ICT base teaching and the importance of using online tools for teaching and evaluation in present days. It creates the curiosity on pedagogical approach in teaching among the participants.





**Seven days Short Term Course on  
“PRODUCT LIFE CYCLE MANAGEMANT”  
From  
05.06.2017 to 12.06.2017**

# KARPAGAM ACADEMY OF HIGHER EDUCATION

(Deemed to be University)

(Established Under Section 3 of UGC Act, 1956)

Eachanari Post, Coimbatore-641021.Tamilnadu, India.

## FACULTY OF ENGINEERING DEPARTMENT OF AUTOMOBILE ENGINEERING

### A JOINT PROGRAMME OF CENTRE FOR HUMAN RESOURCE DEVELOPMENT AND DEPARTMENT OF AUTOMOBILE ENGINEERING

List of Participant for Short term Course

On

**“ PRODUCT LIFE CYCLE MANAGEMANT ”**

From

**05.06.2017 to 12.06.2017**

S. No	Department	Name of the Faculty
1	Automobile	Dr.P.Shanmughasundram Professor
2	Automobile	Mr.R.Barathbalaji Assistant Professor
3	Automobile	Dr.R.Gopinathan Assistant Professor
4	Automobile	Mr. G.Jayabalaji Assistant Professor
5	Automobile	Mr.K.Prasath Assistant Professor
6	Automobile	Mr.R.Madhavan Assistant Professor



**PROFESSIONAL DEVELOPMENT PROGRAM**

**ON**

**MEDICAL DIAGNOSTICS**

**JUNE (05.06.2017 -11.06.2017)**

**Presidential Address**

**Dr. S. SUDALAI MUTHU**

Vice Chancellor

Karpagam University

**Felicitation**

**Dr. M. PALANISWAMY**

**Dean, Faculty of Arts, Science & Humanities**

Karpagam University

**Organizing Secretary**

**Dr. M. PALANISWAMY**

**Prof & Head Department of Microbiology**

Karpagam University

For Enquiries contact:

Cell: 9677176142, 8903500032

kahetribo@gmail.com

**INVITED SPEAKERS**

**Dr. R. Sathish Kumar**

**Professor**

**Dept. of Biotechnology**

**Bharathiyar University**

**Dr. N. Siva Kumar**

**Professor**

**Dept. Molecular Microbiology**

**Madurai Kamaraj University**



**PROFESSIONAL DEVELOPMENT PROGRAM**

**ON**

**MEDICAL DIAGNOSTICS**

**JUNE (05.06.2017 -11.06.2017)**

**A Joint Programme  
of  
Centre for Human Resource  
Development  
&  
Department of Microbiology**



Enable | Enlighten | Enrich

**KARPAGAM  
UNIVERSITY**

(Established Under Section 3 of UGC Act, 1956)

**KARPAGAM UNIVERSITY**

**(Deemed to be University)**

**(Established Under Section 3 of UGC Act 1956)**

**Pollachi Main Road, Eachanari Post,**

**Coimbatore – 641 021**

**Phone: 0422-6471113-5, 6453777 Fax No: 0422 -2980022-3**

**Email: [info@karpagam.com](mailto:info@karpagam.com) Web: [www.kahedu.edu.in](http://www.kahedu.edu.in)**

**Report on Professional Development program on Medical Diagnostics**

**Held during 5<sup>th</sup> – 11<sup>th</sup> June, 2017**

A seven-day Professional Development program on Medical Diagnostics held during 5<sup>th</sup> – 11<sup>th</sup> June, 2017, at Department of Microbiology, Karpagam University. Professional Development program included lectures on modern biological methods in diagnosis of diseases. This program helped to exchange novel research ideas and to share evolving understanding of requirements biomedical applications set for modern testing, imaging and diagnostic equipment technology, with applications ranging from diagnostics to surgical tools to therapeutics. The speakers addressed the development of genomic diagnostic tests from the perspective of test developers, and pointed to the need to develop better evidence regarding the value of a test. They also addressed the clear regulatory standards to guide test development.



Faculty demonstrates on Medical diagnostics

**KARPAGAM UNIVERSITY**  
**(KARPAGAM ACADEMY OF HIGHER EDUCATION)**  
(Deemed to be University *established Under Section 3 of UGC Act 1956*)  
Eachanari PO, Coimbatore – 641 021, India.  
**DEPARTMENT OF MICROBIOLOGY**

---

**List of Participants for Professional Development program on Medical Diagnostics**

**Held during 5<sup>th</sup> – 11<sup>th</sup> June, 2017**

**Organized by: Department of Microbiology**

Sl. No.	Name of the Faculty	Designation
1	Dr. M. Palaniswamy	Professor & Head
2	Dr. B. V. Pradeep	Associate Professor
3	Dr. R. Usha	Associate Professor
4	Dr. M. Kulandhaivel	Associate Professor
5	Dr. S. Dinesh Kumar	Assistant Professor
6	P. Srinivasan	Assistant Professor
7	P. Akilandeswari	Assistant Professor
8	Dr. V. Usharani	Assistant Professor
9	Dr. S. Ramalakshmi	Assistant Professor
10	Dr. K. S. Nathiga Nambi	Assistant Professor

**A Seven Day**

**Short Term Programme on the Art of  
Proofreading**

**29 May 2017 to 5 June 2017**

**PATRONS**

**DR. R. SUNDARARAJAN**  
REGISTRAR

**Dr. M. PALANISWAMY**  
Dean- FASH

**CONVENOR**

**Dr. S. Selvalakshmi,**  
**HOD, DEPARTMENT OF ENGLISH AND FOREIGN  
LANGUAGES**

**ORGANIZING SECRETARY**

**Dr. R. Gnanasekaran**

Assistant Professor, Department of English and Foreign  
Languages  
Karpagam Academy of Higher Education

**CO-ORDINATOR**

**Annalakshmi R.**

Assistant Professor, Department of English and Foreign  
Languages  
Karpagam Academy of Higher Education  
For Enquiries contact:  
Cell: 9942601014  
english.hod@kahedu.edu.in

**INVITED SPEAKERS**

Dr.P.Bhaskaran Nair , Professor of  
English, Hindustan University Chennai

Dr. G. Baskaran, Dean & Professor of  
English, Gandhigram Rural Institute

Dr.P.Jeyappriya, Associate Professor and  
Head,Department of English and Foreign  
Languages, Mother Teresa Women's  
University, Kodaikanal.

Dr. S. Kalamani, Professor, Department of  
English, Avinashilingam Institute for Home  
Science and Higher Education For Women,  
Coimbatore.

Dr. Saji Varghese, Associate Professor,  
Christ University

Dr. Sushil Mary Mathews, Associate  
Professor & Head, PSGR Krishnammal  
College for Women, Peelamedu, Coimbatore

Dr.S.Udhayakumar, Assistant Professor,  
Madurai Kamaraj University, Madurai



**A Seven Day**

**Short Term Programme on the Art of  
Proofreading**

**29 May 2017 to 5 June 2017**

**A Joint Programme of Center of Human  
Resource Development**

**&**

**Department of English and Foreign  
Languages**



Enable | Enlighten | Enrich

**KARPAGAM**  
**ACADEMY OF HIGHER EDUCATION**

(Deemed to be University)

(Established Under Section 3 of UGC Act, 1956 )

**KARPAGAM ACADEMY OF HIGHER EDUCATION**

*(Deemed to be University Established Under Section 3 of  
UGC Act 1956)*

**Pollachi Main Road, Eachanari Post,  
Coimbatore – 641 021. INDIA**

**Phone : 0422-6471113-5, 6453777 Fax No : 0422 -2980022-3**

**Email : info@karpagam.com Web : [www.kahedu.edu.in](http://www.kahedu.edu.in)**

**A JOINT PROGRAMME OF CENTER OF HUMAN RESOURCE DEVELOPMENT  
&  
DEPARTMENT OF ENGLISH AND FOREIGN LANGUAGES  
Report on Short Term Course on the Art of Proofreading**

The Department of English organized a **Short Term Course on the Art of Proofreading** for the Faculty members, Department of English, Karpagam Academy of Higher Education, Coimbatore from **29<sup>th</sup> May to 5<sup>th</sup> June, 2017**. The Short Term Course was facilitated by Professors from various institutions. The programme provided a chance for the faculty members to strengthen their proofreading skills. The Short Term Course brought the crucial elements related to English Language and its usage to the foreground.

On 29<sup>th</sup> May Dr.P.Bhaskaran Nair , Professor of English, Hindustan University briefed on the difference between the art of proofreading and copyediting and then elaborated further on the title and he stated that Practice test can be undertaken that are provided by writing resource sites. It was also emphasized that brushing up the basic knowledge of grammar and language is essential, because this can enhance the understanding of them better hence working better during proof reading. The resource person also stated that one should practice very well to master the art of proof reading. Other fact that received attention is that the person proofreading must keep himself updated about the rules both familiar and unfamiliar

On 30<sup>th</sup> May Dr. G. Baskaran, Dean & Professor of English, Gandhigram Rural Institute provided the faculties with same article with similar mistakes and made them proof read. It was noted each had their way of constructing the sentence and correcting the errors in them. The faculties were also warned about the mistake of depending too much on the self to learn the art. He stated it is advisable to consult professional proofreader in Newspapers, Professors at Universities and language experts when certain doubts arise.

On 31<sup>st</sup> May Dr.P.Jeyappriya, Associate Professor and Head,Department of English and Foreign Languages, Mother Teresa Women's University introduced various ways the proofreader would read the article. She stressed the importance of developing one's own style of concentrating on the article. He made a note that most people who proofread prefer to read it aloud in order to identify any perceptible error.

On 1<sup>st</sup> June Dr. S. Kalamani, Professor, Department of English, Avinashilingam Institute for Home Science and Higher Education For Women told that the proofreading jobs should never be rushed or put off until the last minute. He called this and being overconfident



as the massive mistakes a proofreader does. The most effective proofreaders in the words of the expert is to read through a document multiple times before sending it off to be published as this renders them enough time to catch and fix as many errors as possible.

On 2<sup>nd</sup> June Dr. Saji Varghese, Associate Professor, christuniversity spoke about various strategies involved in the process of proofreading. A good strategy as stated by the resource person is to proofread for spelling first, and then proofread for grammar, and then proofread for punctuation. This is to make the proofreader focus on one thing at a time

On 3<sup>rd</sup> June Dr. Sushil Mary Mathews, Associate Professor & Head, PSGR Krishnammal College for Women provided a short introduction about the topic. The difference between proofreading and copyediting was elaborated. The faculty members were provided with two different articles to understand and analyze the errors in the document. Added to this he also provided erroneous material to provide better understanding about the process.

On the last day that is on 5<sup>th</sup> June pondering began on the difficulty of the English faculties when they are proofreading documents and article that are full of errors and mistakes. Dr.S.Udhayakumar, Assistant Professor, Madurai Kamaraj University discussed with the faculties about their proofreading experience. The programme also considered the key factors related to English language usage in Academic Writing. Other components like the importance of English language, pronunciation, common errors, vocabulary, meanings, use and usage of words were discussed. The session was well received by the Faculty members with positive feedback



Dr. G. Baskaran, Discussing with the Participants

**KARPAGAM ACADEMY OF HIGHER EDUCATION**  
**A Joint Programme of Center of Human Resource Development**  
**&**  
**DEPARTMENT OF ENGLISH AND FOREIGN LANGUAGES**  
**LIST OF PARTICIPANTS SHORT TERM COURSE**  
**29 May to 05 June 2017**

SL.NO	NAME OF THE FACULTY
1	Dr. Selvalakshmi S
.	
2	Ms. Annalakshmi R
.	
3	Dr. Vanitha R
.	
4	Ms. Kayathri K
.	
5	Mr. Kumanan K
.	
6	Dr. Gnanasekaran R
.	
7	Ms. Thanveer Fathima
.	
8	Mr. Karthik Raja
.	
9	Ms. Shanthi L
.	
10.	Ms. Kalaivani P
11.	Dr. Sivaranjani G
12.	Dr. Devi M.

## **ORGANIZING COMMITTEE**

### **Chief patron**

Dr.S.SudalaiMuthu  
Vice Chancellor  
Karpagam Academy of Higher Education.

### **Patron**

Dr.S. Sundararajan  
Registrar  
Karpagam Academy of Higher Education.

Dr.M.Palaniswamy  
Dean,  
Faculty of Arts, Science and Humanities  
Karpagam Academy of Higher Education

### **Convenor**

M.M.Shanmugapriya  
Head of the Department /Maths,FASH  
Karpagam Academy of Higher Education

### **Organizing Secretary**

Dr.K.Kalidass  
Assistant professor/Maths,FASH  
Karpagam Academy of Higher Education

### **Organizing Team Members**

U.R .Ramakrishnan  
Assistant Professor  
Karpagam Academy of Higher Education

Ms.K.Pavithra  
Assistant Professor  
Karpagam Academy of Higher Education

Ms.S.Kohila  
Assistant Professor  
Karpagam Academy of Higher Education

## **PROGRAMME SCHEDULE**

Inauguration 9.00am -9.30am  
Session:9.30am -3.30pm  
**Dr.E. Subha,**  
Associate Professor  
Head,Department of Mathematics  
Karpagam College of Engineering  
Coimbatore.

### **Dr. R.Uthaya Kumar**

Professor& Head  
Department of Mathematics  
Gandhigram Rural Institute  
Ganthigram  
Dindigul

### **Dr.N.Anbazzhagan**

Professor and Head  
Department of Mathematics  
Alagappa University  
Karaikudi.

### **Dr.Regii Kumar**

Associate Professor  
Department of Mathematics  
NSS College  
Kollam ,Kerala.

**A Joint Programme of  
Centre For Human Resource Development  
and  
Department of Mathematics**

## **Short Term Course On Fuzzy Topology, Neural Networks And Fuzzy Logic**

**15<sup>th</sup> May 2017 to 22<sup>th</sup> May 2017**

**Organized by**

**Department of Mathematics**



**KARPAGAM ACADEMY OF  
HIGHER EDUCATION**  
(Deemed to be University)  
(Established Under Section 3 of UGC  
Act, 1956)  
Eachanari Post, Coimbatore-641021.  
Tamilnadu, India.

**Venue:MBA Hall**



**KARPAGAM ACADEMY OF HIGHER EDUCATION**  
(Deemed to be University)  
(Established Under Section 3 of UGC Act, 1956)  
Eachanari Post, Coimbatore-641021. Tamilnadu, India.

**A Joint Programme of Centre For Human Resource Development  
and  
Department of Mathematics**

**Short Term course on Fuzzy Topology, Neural Networks and Fuzzy Logic**

**- a Brief Report**

The Department of Mathematics Organized a Short term Courses on Fuzzy Topology ,Neural Networks and Fuzzy Logic which held from 15.05.2017 to 22.05.2017 and 14 members of our faculty members were participated. The program was started at 9.30 am in the MBA Hall, Karpagam University.

The details of the topics covered by the Resource person are furnished below.

Date	Topic	Topics Covered	Resource Person
15.05.2017	Fuzzy Topological Spaces	She discussed about the importance of applications and faculties got more knowledge about Fuzzy Topology is a generalization of concepts to Fuzzinessis. Faculties got more knowledge about Fuzzy Topological spaces. She explained about fuzzy topology is a family of fuzzy set theory and its conditions. She describe more Applications and concepts of compactness and separation axioms.	Dr.E.Subha, Associate Professor, Department of Mathematics, Karpagam College of Engineering, Coimbatore
16.05.2017	Compactness and Separation Axioms		
17.05.2017	Lattices and Boolean Algebra	The faculties got more knowledge about the	Dr.R.Uthaya Kumar

18.05.2017	Inventions of fuzzy theory and fuzzy inference	lattices and Boolean algebra by his lecture. Lattices and Boolean Algebra are basis of switching theory and also he explained some algebraic systems of groups, rings and fields. Participants can understand about the Fuzzy logic can be used in the development of intelligent systems for decision making, identification, pattern recognition, optimization, and control.	Professor & Head Department of Mathematics Gandhigram Rural Institute Ganthigram Dindigul
19.05.2017	Attractor Neural Network	Faculty get more knowledge about Attractor neural networks with a modular structure, where a local winner-takes-all rule acts within the modules (called hypercolumns). Speaker motivates the audience for the solution of some neural networks problems. Neural networks have the accuracy and significantly fast speed than conventional speed. The Participants understood the concept of spiking and Quantum neural network and they can easily apply this to their research work.	Dr.N.Anbazhagan, professor and Head, Department of mathematics, Alagappa University, Karaikudi
20.05.2017	Spiking and Quantum Neural Network		
22.05.2017	Application of Fuzzy Logic and Advanced Fuzzy Logic System	Faculty knows that It is a technique to embody human-like thinkings into a control system. It may not be designed to give accurate reasoning but it is designed to give acceptable reasoning. Fuzzy logic are extensively used in modern control systems	Dr.Regis Kumar Associate professor Department of mathematics, NSS college Kollam Kerala.



		such as expert systems. Fuzzy Logic is used with Neural Networks as it mimics how a person would make decisions, only much faster. It is done by Aggregation of data and changing into more meaningful data by forming partial truths as Fuzzy sets. Fuzzy logic are used in Natural language processing and various intensive applications in Artificial Intelligence.	
--	--	---	--

**Timing: FN 9.30 am to 12.30 pm: AN 1.30 pm to 3.30 pm**

The course formally ends with valedictory function and distribution of certificates. Participants are more Happy and gave their valuable feedbacks .



**Keynote Address by Dr.R.Uthaya Kumar**



**Participated Faculty members**

**Head of the Department**



## **KARPAGAM ACADEMY OF HIGHER EDUCATION**

(Deemed to be University)

(Established Under Section 3 of UGC Act, 1956)

Eachanari Post, Coimbatore-641021. Tamilnadu, India.

### **A Joint Programme of Centre For Human Resource Development and Department of Mathematics**

**Attending Details for Short Term course on Fuzzy Topology ,Neural Networks and Fuzzy Logic**

**Time :9.30am to 3.30 pm**

**Date : 15.05.2017 to 22.05.2017**

<b>S.No.</b>	<b>Name of the Faculty</b>
1	Dr.M.M.Shanmugapriya
2	Mr. M. Jeganathan
3	Dr. K. Kalidass
4	Mr. U. R. Ramakrishnan
5	Ms. Henna Shenofer
6	Ms. M.Jannath Begam
7	Ms. A.Neerajah
8	Ms. S.Kohila
9	Ms. K.Pavithra
10	Ms. M.Latha
11	Ms. Sukritha Pradeesh
12	Mr. R.Praveenkumar
13	Ms. J.Kowsalya
14	Ms. R.Poornima

# SHORT TERM COURSE ON CONSERVATION IN ARCHITECTURE

Date:  
15th MAY  
to  
22nd MAY  
2017

Guest:  
Ar.kamalahasan Ramaswamy, M.arch

Organised by  
Faculty Of Architecture  
Karpagam Academy of Higher Education  
Pollachi main road,,Echanari post,  
coimbatore - 641021







**KARPAGAM UNIVERSITY**  
(KARPAGAM ACADEMY OF HIGHER EDUCATION)  
(Deemed to be University established Under Section 3 of UGC Act 1956)  
Eachanari PO, Coimbatore – 641 021, India.

## **KARPAGAM ACADEMY OF HIGHER EDUCATION**

*(Deemed to be University)*

*(Established Under Section 3 of UGC Act 1956)*

### **DEPARTMENT OF ARCHITECTURE**

#### **Report on the Short Term Course on “*Conservation in Architecture*” conducted between 15.05.2017 - 22.05.2017**

A Short term course on “*Conservation in Architecture*”  
conducted between **15-05-17 to 22-05-2017** for the Faculty members  
of Department of Architecture. About 10 faculty members attended the  
course.

This course aims To outline the status of conservation practice in the  
country and the various guidelines for the preservation, conservation  
and restoration of buildings. The course also intends to discuss the  
various issues and practices of Conservation and familiarise the  
students with the status of conservation in India and the various  
agencies involved in the field of conservation worldwide and  
their policies. The course also intends to develop the familiarity with  
historic materials and their properties, different technologies for  
investigating masonry, foundation and also traditional and modern  
repair methods.

All the sessions were very much informative. Participants were  
enlightened with the most widely used advance strategies in  
Sustainable Architecture. This in turn will help in motivating  
participants as well as students and student's placement opportunity.

All participants received Certificate. The program was ended with vote  
of Thanks by Ar. Kathiravan

*Ar. Kathiravan*



**FACULTY OF ARCHITECTURE, DESIGN AND PLANNING  
KARPAGAM ACADEMY OF HIGHER EDUCATION**

**List of Faculties  
AY:2017-18 - Even Semester**

Sl.No	Staff Name	
1	Ar.Kathiravan P	
2	Ar.Ramakrishnamoorthy M R	
3	Ar.Ranjitha Chitti	
4	Ar.Lingeshwaran G	
5	Ar.Vimal C	
6	Ar.Janani T	
7	Ar.Issac A	
8	Ar.Meera Shree Raja	
9	Ar.Hiranmayi S	
10	Ar.Choksi Jaykumar Rajesh	



**Ar.Kathiravan P**  
Dean i/c,  
Faculty of Architecture.



## ORGANIZING COMMITTEE

### CHIEF PATRONS

**Dr.S.SUDALAIMUTHU**

*Vice – Chancellor*

**KARPAGAM ACADEMY OF HIGHER EDUCATION**

### PATRONS

**Dr.S.SUNDARAJAN**

*Registrar*

**KARPAGAM ACADEMY OF HIGHER EDUCATION**

**Dr.C.R.HEMA**

*Dean*

*Faculty of engineering*

**KARPAGAM ACADEMY OF HIGHER EDUCATION**

### CONVENER

**Dr.A.AMUDHA**

*Prof&Head*

*Dept of EEE*

**KARPAGAM ACADEMY OF HIGHER EDUCATION**

### ORGANIZING SECRETARIES

❖ **Mr.M.SIVA RAMKUMAR**  
Assistant Professors/FoE/EEE/KAHE

❖ **Mr.T.RAMESH**  
Assistant Professors/FoE/EEE/KAHE

### ORGANIZING TEAM MEMBERS

- Mrs.S.Divyapriya/AP/EEE/FoE/KAHE

## **Important Dates**

Registration Conformation : 13-05-2017

Intimation date : 12-05-2017

Course Date : 15-05-2017

## **Topics Covered in this Course & Resource Persons**

**15-05-2017:** Introduction

**Prof.Mkaliasmoorthy /ASP/PSNA CET**

**16-05-2017:** Operating Principles And Relay

Characteristics

**Er.Javagar/AEEEE/TNEB,Coimbatore**

**17-05-2017:** Apparatus Protection

**Mr.A.Raguram,MD,Cares Renewable Pvt.ltd**

**18-05-2017:** Theory of Circuit Interruption

**Mr Ravichandran,G.M/Lakshmi electrical**

**19-05-2017:** Circuit Breakers

**Dr.V.Vanitha AP, Amirta university**

**22-05-2017:** Insulators

**Mr.M.Jothilingam,DE , GRT Embedded Solution**

**23-05-2017:** Future Scope

**Prof A.Stanly Paul, KCE,Coimbatore**

## **PROFESSIONAL DEVELOPMENT PROGRAM**

### **ON “PIC MICRO CONTROLLER”**

**15-05-17 to 23-05-17**



***A Joint Programme of  
Centre for Human Resource Development  
and***

***Department of Electrical And Electronics Engineering***

**KARPAGAM ACADEMY OF HIGHER EDUCATION  
(Deemed to be University )**

**(Established Under Section 3 of UGC Act 1956)**

**Pollachi Main Road, Eachanari Post,**

**Coimbatore – 641 021. INDIA Phone : 0422-**

**6471113-5, 6453777**

**Web : [www.kahedu.edu.in](http://www.kahedu.edu.in)**

**Organized by**

**Department of**

**Electrical & Electronics Engineering**

**Pollachi Main Road, Eachanari Post,**

**Coimbatore – 641 021. INDIA**

26-05-2017

**A JOINT PROGRAMME OF CENTRE FOR HUMAN RESOURCE DEVELOPMENT  
AND  
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING**

**REPORT ON PROFESSIONAL DEVELOPMENT PROGRAM**

Title	: Pic Micro Controller
Resource Person	: Er.P.Javagar/AEE/TNEB,Coimbatore
Event date	: 15-05-2017 to 23-05-2017
Venue	: Thiruvalluvar Hall, KAHE
Attendees	: Faculties of EEE
Time	: 10.00am to 03.45pm
Organizer	: Mr.K.Balachander/ASP/EEE/FoE/KAHE

The Professional Development Program on “**Pic Micro Controller**” was organized by Department of EEE, Faculty of Engineering, KAHE. The main objective of this session was to get a complete idea on PIC Microcontrollers. The session was started with prayer song and inaugurated by **Dr. A. Amudha**/HoD/EEE which was followed by the welcome address by **Dr.G.Emmayavaramban**/AP/EEE. This session was carried out by **Er.P.Javagar**/AEE/TNEB,Coimbatore. He has vast experience in Charge Controller and inverter design. He also published many papers in National international journals. Students took active participation by listening and also noting down the important points given by the guest. Vote of thanks was delivered by **Mrs.S.Divyapriya**/AP/EEE. The programme came to an end with National Anthem.



*Lecture delivered by Mr.A.Raguram*



*Participants of the session*

**A JOINT PROGRAMME OF CENTER FOR HUMAN RESOURCE  
DEVELOPMENT  
AND  
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING**

**PROFESSIONAL DEVELOPMENT PROGRAM ON PIC MICRO CONTROLLER**

**Participants**

Date & Time: 15-05-2017 to 23-05-2017

Venue: Thiruvalluvar Hall, KAHE

S. No.	Name	Designation
1.	Dr.A AMUDHA	HOD
2.	Dr.K.BALACHANDER	ASSOCIATE PROFESSOR
3.	M.SIVA RAMKUMAR	ASSISTANT PROFESSOR
4.	Dr.G.EMMAYAVARAMBAN	ASSISTANT PROFESSOR
5.	S.DIVYAPRIYA	ASSISTANT PROFESSOR
6.	T.RAMESH	ASSISTANT PROFESSOR

## ORGANIZING COMMITTEE

### Chief Patron

**Dr. S. Subramanian**

*Vice Chancellor*

*Karpagam Academy of Higher Education*

### Patron

**Dr. G. Sekar**

*Registrar*

*Karpagam Academy of Higher Education*

### Convenors

**Dr. R. Balasubramanian**

*Dean*

*Faculty of Engineering*

*Karpagam Academy of Higher Education*

**Dr. P.T Hemamalini**

*Head, Department of Science and Humanities*

*Faculty of Engineering*

*Karpagam Academy of Higher Education*

### Organizing Secretary

**Dr. P.M. Ponnusamy**

*Department of Science and Humanities*

*Faculty of Engineering*

*Karpagam Academy of Higher Education*

*Coimbatore-641 021, Tamil Nadu, India*

**Mail: [mathematicsku@gmail.com](mailto:mathematicsku@gmail.com)**

**Ms. D. Shanmugapriya ,**

*Assistant Professor, KAHE , FoE*

**Ms. S. Hemalatha**

*Assistant Professor, KAHE , FoE*

## RESOURCE PERSONSWITH TOPICS

**Day 1 : Fundamentals of Quantum Mechanics**

**Dr. B. Subramanian**

*Principal Scientist*

*Electrochemical Materials Division*

*CSIR , Karaikudi*

**Day 2 : Quantum Mechanics for Functional applications**

**Dr. N. Ponpandian**

*Professor*

*Department of Nanoscience & Technology*

*Bharathiar University, Coimbatore*

**Day 3 : Introduction to different types of nanomaterials**

**Dr. V. Rajendran**

*Principal*

*Dr N.G.P. Arts and Science College, Coimbatore*

**Day 4 : Quantum Mechanics materials for smart applications**

**Dr. A K Nandakumar**

*Assistant Professor*

*Amrita Vishwa Vidyapeetham, Coimbatore*

**Day 5 : Synthesis of magnetic nanopowders by Plasma arc discharge**

**Dr. G. Shamugavelayutham**

*Assistant Professor*

*Department of Physics*

*Bharathiar University, Coimbatore*

**Day 6 : Characterization of reduced graphene oxide for gas sensing applications**

**Dr. R. T. Rajendra Kumar**

*Assistant Professor*

*Department of Physics*

*Bharathiar University, Coimbatore*

**Day 7: Applications of Quantum Mechanics**

**Dr. B. Nalini**

*Assistant Professor*

*Department of Physics*

*Avinashilingam University, Coimbatore*

## KARPAGAM ACADEMY OF HIGHER EDUCATION

(Deemed to be University)

Established Under Section 3 of UGC Act, 1956



A Joint Programme of

Centre for Human Resource Development

And

Department of Science and Humanities

**Faculty of Engineering**

Short Term Course

On

**Quantum Mechanics**

**8<sup>th</sup> - 15<sup>th</sup> May, 2017**

Organized By

**Department of Science and Humanities**

**Karpagam Academy of Higher Education**

**Coimbatore-641 021**

**Tamil Nadu, India**

*Venue: UM103*



**A JOINT PROGRAMME OF  
CENTRE FOR HUMAN RESOURCE DEVELOPMENT  
AND  
DEPARTMENT OF SCIENCE AND HUMANITIES**

**Report  
Short Term Course on Quantum Mechanics**

The Short-Term Course on “Quantum Mechanics” started with the prayer song, followed by the welcome address by Dr. P. T. Hemamalini, Head, Department of Science and Humanities. Honorable vice Chancellor delivered the presidential address. The resource person for the first day Dr. B. Subramanian delivered the keynotes address followed by the presentation titled Fundamentals of Quantum Mechanics. The development of Quantum is going on at a steady pace for past few decades. This is mainly attributed to the fact that, as we go deeper into the applications of nanotechnology, we reach a point where we require new tools to understand their behaviour. Following him Dr. N. Ponpandian gave a lecture on Quantum Mechanics for Functional applications. The microelectronics sector has paid special attention to miniaturization, which involves reducing the size of circuits like transistors, capacitors, and resistors. A considerable reduction in their size enables microprocessors developed using these parts, to operate much faster, thus allowing computations at much greater speeds. On Day 3 Dr. V. Rajendran handled the session on Introduction to different types of nanomaterials. Following him Dr. A K Nandakumar presented wonderful lecture on Texture of nano engineered materials for smart applications.



Dr. B. Subramanian, Principal Scientist delivered the lecture on Fundamentals of Quantum Mechanics on 08.05.17

On Day 5 Dr. G. Shamugavelayutham from Bharathiar University delivered a lecture on Synthesis of magnetic nanopowders by Plasma arc discharge. After the synthesis of nanoparticle the process of characterizing was explained by Dr. R. T. Rajendra Kumar entitled on Characterization of reduced graphene oxide for gas sensing applications the next day. On the last day applications of Quantum Mechanics was clearly done by Dr. B. Nalini from Avinashilingam University. The valedictory function was presided by Honorable vice Chancellor.



*Dr. B. Subramanian, Principal Scientist delivers speech titled “Applications of Quantum Mechanics” on 08.05.2017*



*Dr.N.Ponpandian, Professor delivered speech titled “Quantum Mechanics for Functional applications” on 09.05.17*



*Dr.P.Muthukrishnan, Assistant Professor delivered Vote of thanks on 15.05.17*



**KARPAGAM ACADEMY OF HIGHER EDUCATION**

*(Deemed to be University Established Under Section 3 of UGC Act 1956)*

COIMBATORE-641 021

**A JOINT PROGRAMME OF  
CENTRE FOR HUMAN RESOURCE DEVELOPMENT  
AND  
DEPARTMENT OF SCIENCE AND HUMANITIES**

**Short Term Course on Quantum Mechanics  
List of Participants**

S.No	NAME	DESIGNATION	DEPARTMENT
1	B. R. Sathiya	Assistant Professor	S&H
2	P.M. Ponnusamy	Assistant Professor	S&H
3	R. Jothimurugan	Assistant Professor	S&H
4	G. Gomathi	Assistant Professor	S&H
5	M. Padmasheela	Assistant Professor	S&H
6	S. Bhuvaneswari	Assistant Professor	S&H
7	D. Shanmugapriya	Assistant Professor	S&H
8	Dr. A. Kathiresan	Professor	S&H
9	Dr. K. Shankar	Assistant Professor	S&H
10	S. Hemalatha	Lecturer	S&H
11	Dr. P. Muthukrishnan	Lecturer	S&H
12	Dr. A. Parthiban	Assistant Professor	S&H

**A Joint Programme Of  
Centre For Human Resource Development  
&  
Department of Management  
Invites you for  
SHORT TERM COURSE ON STUDENT CENTERED  
TEACHING METHODS AND STRATEGIES IN IGH  
EDUCATION  
08.05.2017 - 14.06.2017**



**Chief Patron**

**Patron**

**Convenor :**

**Coordinators:**

**Vice Chancellor  
KAHE**

**Registrar  
KAHE**

**Dean  
FASH,  
KAHE**

**Dr.M.Ashok kumar  
KAHE,**

**Dr. C.Sagunthala  
KAHE  
Dr.A. Martin jayaraj  
KAHE**

**Schedule for Short Term course**

Date	Topic	Resource Person
08.05.2017	Project, Index card & Demonstration	Dr.M. Kotteeswaran, Associate Professor Knowledge Business School Salem
09.05.2017	Social media, Role play & Competitions	Dr. S.B .Gayathri, Associate Professor & Head , Department of Commerce with Professional Accounting NGM College , Pollachi
10.05.2017	Lab, Mental models & Debate	Dr . V. Mohanasumdaram, Professor, PSG arts and science college, Coimbatore
11.05.2017	Problems & Inquiry bases methods	Dr. S.P. Kumar, Professor & director, St. George college of Management Science, Bangalore-43
12.05.2017	Brainstorming & jig saw	Nanda LAL Training specialist EBSCO information services India Pvt. Ltd
13.05.2017	Small group & Presentations	Dr. A.S. Sathish Kumar, Assistant Professor Knowledge Business School Salem
14.05.2017	Gamification	K. Balamurugan Training specialist CADD BIM Technologies



## Report - SHORT TERM COURSE ON “STUDENT-CENTRED TEACHING METHODS AND STRATEGIES IN HIGHER EDUCATION” – 08.05.2017 – 14.05.2017

### Day 1:

Date	Session	Topic	Resource Person
08.05.2017	FN & AN	Project, Index card & Demonstration	Dr.M. Kotteeswaran, Associate Professor Knowledge Business School Salem

Resource person: Dr.M. Kotteeswaran, Associate Professor, Knowledge Business School, Salem. The Short Term Course started at 9:30 am on 08.05.2017 in Thiruvalluvar Hall with the Welcome address by Dr. A. Ashok kumar, Professor & Head, Department of Management, KU. On the First day, the Resource person gave lecture on the importance of Project work and how it can be used to develop the skills of the students. He also elaborated on the index card and demonstration method.

### Day 2:

Date	Session	Topic	Resource Person
09.05.2017	FN & AN	Social media, Role play & Competitions	Dr. S.B .Gayathri, Associate Professor & Head, Department of Commerce with Professional Accounting NGM College, Pollachi

Resource person: Dr. S.B .Gayathri, Associate Professor & Head, Department of Commerce with Professional Accounting, NGM College, Pollachi. On the second day of the program, resource person has explained role of social media in current educational system and how it be adopted to enhance teaching methodologies. He also elucidated on the Role play methods and Competitions.

### Day 3:

Date	Session	Topic	Resource Person
10.05.2017	FN & AN	Mental models & Debate	Dr . V. Mohanasumdaram, Professor, PSG arts and science college, Coimbatore

Resource person: Dr. V. Mohanasumdaram, Professor, PSG arts and science college, Coimbatore. The resource person had explained on approaches of mental models and how it can

be merged to understand students method of thinking. He highlighted significance of creating debating culture in education and also explained different aspects which helps while debating.



## KARPAGAM ACADEMY OF HIGHER EDUCATION

(Deemed to be University)

(Established Under Section 3 of UGC Act, 1956)

Pollachi Main Road, Eachanari Post, Coimbatore - 641 021, Tamilnadu, India.

Phone : 0422 - 2980011 - 14, 6471113, 14 | Fax : 0422 - 2980022-23 | Email : info@karpagam.com

### Day 4:

Date	Session	Topic	Resource Person
11.05.2017	FN & AN	Problems & Inquiry bases methods	Dr. S.P. Kumar, Professor & director, St. George college of Management Science, Bangalore-43

Resource person: Dr. S.P. Kumar, Professor & director, St. George college of Management Science, Bangalore-43. The resource person on the fourth day of the program lectured on. He explained on the importance and characteristics of Inquiry based methods. He also elaborated on integration of problems solving method in teaching methodology.

### Day 5:

Date	Session	Topic	Resource Person
12.05.2017	FN & AN	Brainstorming & jig saw	Nanda LAL Training specialist EBSCO information services India Pvt. Ltd

Resource person: Nanda LAL, Training specialist, EBSCO information services India Pvt. Ltd. Day five of the Short Term Course begun at 9:30 am on 13.05.2016, the resource person elaborated on how to brainstorm and he also elucidate on the brainstorming techniques. He emphasized on the importance of puzzle in teaching methodologies and also demonstrated jig saw puzzle methods to advance the teaching methods.

### Day 6:

Date	Session	Topic	Resource Person
13.05.2017	FN & AN	Small group & Presentations	Dr. A.S. Sathish kumar, Assistant Professor Knowledge Business School, Salem

Resource person: Dr. A.S. Sathish kumar, Assistant Professor, Knowledge Business School, Salem. On day six the resource person explained on the presentations. He elaborated on the types of presentations and also explained on the skills which are required to make effective presentations.

## Day 7:

Date	Session	Topic	Resource Person
14.05.2017	FN & AN	Gamification	K. Balamurugan Training specialist CADD BIM Technologies

Resource person: K. Balamurugan, Training specialist, CADD BIM Technologies. Final day of the Short Term Course begun at 9:30 am. The resource person elucidated on gamification of teaching methodology. He also emphasized on how gamification of teaching will draw student's attention and how it can be used as methods to understand the core concepts effectively. Finally, the program ended with the vote of thanks by Dr. A. Martin Jayaraj, Assistant Professor, Department of management.

## PHOTO



*SHORT TERM COURSE ON "STUDENT-CENTRED TEACHING METHODS AND STRATEGIES IN HIGHER EDUCATION"*

*K. Balamurugan, Training specialist, CADD BIM Technologies*

## Schedule of Short-term course

Date	Session	Topic	Resource Person
08.05.2017	FN & AN	Project, Index card & Demonstration	Dr.M. Kotteeswaran, Associate Professor Knowledge Business School Salem
09.05.2017	FN & AN	Social media, Role play & Competitions	Dr. S.B .Gayathri, Associate Professor & Head , Department of Commerce with Professional Accounting NGM College , Pollachi
10.05.2017	FN & AN	Mental models & Debate	Dr . V. Mohanasumdaram, Professor, PSG arts and science college, Coimbatore
11.05.2017	FN & AN	Problems & Inquiry bases methods	Dr. S.P. Kumar, Professor & director, St. George college of Management Science, Bangalore-43
12.05.2017	FN & AN	Brainstorming & jig saw	Nanda LAL Training specialist EBSCO information services India Pvt. Ltd
13.05.2017	FN & AN	Small group & Presentations	Dr. A.S. Sathish kumar, Assistant Professor Knowledge Business School Salem
14.05.2017	FN & AN	Gamification	K. Balamurugan Training specialist CADD BIM Technologies

**A JOINT PROGRAMME OF  
CENTRE FOR HUMAN RESOURCE DEVELOPMENT  
AND**

**DEPARTMENT OF MANAGEMENT**

**SHORT TERM COURSE ON “STUDENT-CENTRED TEACHING METHODS  
AND STRATEGIES IN HIGHER EDUCATION”**

**List of Participants**

**Date:** 08.05.2017 - 14.05.2017

<b>S.No.</b>	<b>Name of the Staff</b>	<b>Designation</b>
1.	Dr M Ashok Kumar	Head of the Department
2.	Dr. M. Nandhini	Associate Professor
3.	Dr. R. Karthikeyan	Associate Professor
4.	Dr.V. M. Senthil Kumar	Assistant Professor
5.	Dr. S. Venkatachalam	Associate Professor
6.	Dr. V. Krishnaveni	Associate Professor
7.	Dr. A. Dharmaraj	Assistant Professor
8.	Dr. M. Usha	Assistant Professor
9.	Dr. C. Sagunthala	Assistant Professor
10.	Dr. A. Martin Jayaraj	Assistant Professor
11.	Dr. J. Arul	Assistant Professor
12.	Mrs. G. Sumathi	Assistant Professor
13.	Mr. G. Hariharan	Assistant Professor
14.	Mrs. P. Sathiyabama	Assistant Professor
15.	Mr. V. Gowrishankkar	Assistant Professor
16.	Mr. S. Nagarajan	Assistant Professor

## **ORGANIZING COMMITTEE**

### **Chief Patron:**

**Dr. S. SUDALIMUTHU,**

Vice Chancellor,

Karpagam Academy of Higher  
Education, Coimbatore

### **Patron:**

**DR. SUNDARARAJAN,**

Registrar,

Karpagam Academy of Higher  
Education, Coimbatore

### **Dean:**

**DR. M. PALANISWAMY,**

Karpagam Academy of Higher  
Education, Coimbatore

### **CONVENOR**

Dr. V. K. Gopala krishnan,

Head of the Department,

Department of Biochemistry,  
Karpagam Academy of Higher  
Education, Coimbatore

### **ORGANIZING SECRETARY**

Dr. M. Sridhar Muthusami

For contact us:

Department of Biochemistry,

E.mail:sridharuniv@gmail.com

## **PROGRAM SCHEDULE:**

### **Inauguration 9.30 a.m -10.30 a.m**

Day I: 11.00 a.m - 4.00p.m

**Topic : Isolation of DNA**

Day II: 9.30 a.m - 4.00p.m

**Topic : Isolation of RNA**

Day III: 9.30 a.m - 4.00p.m

**Topic : Polymerase Chain**

**Reaction**

Day IV: 9.30 a.m - 4.00p.m

**Topic:Agarose electrophoresis**

Day V: 9.30 a.m - 4.00p.m

**Topic : Western Blotting**

Day VI: : 9.30 a.m - 4.00p.m

**Topic : Western Blotting Part**

2&3

Day VII: : 9.30 a.m - 4.00p.m

**Topic : Correlation of the**

**techniques**



**A JOINT PROGRAMME OF  
CENTRE FOR HUMAN RESOURCE  
DEVELOPMENT**

**AND**

**DEPARTMENT OF BIOCHEMISTRY**

**Short Term Course on  
"Molecular Biology Techniques"**

**03.05.2017 - 10.05.2017**

**Organized by**

**DEPARTMENT OF BIOCHEMISTRY**

**Venue: Bharathi Hall**



---

**A JOINT PROGRAMME OF CENTRE FOR HUMAN RESOURCE  
DEVELOPMENT  
AND  
DEPARTMENT OF BIOCHEMISTRY**

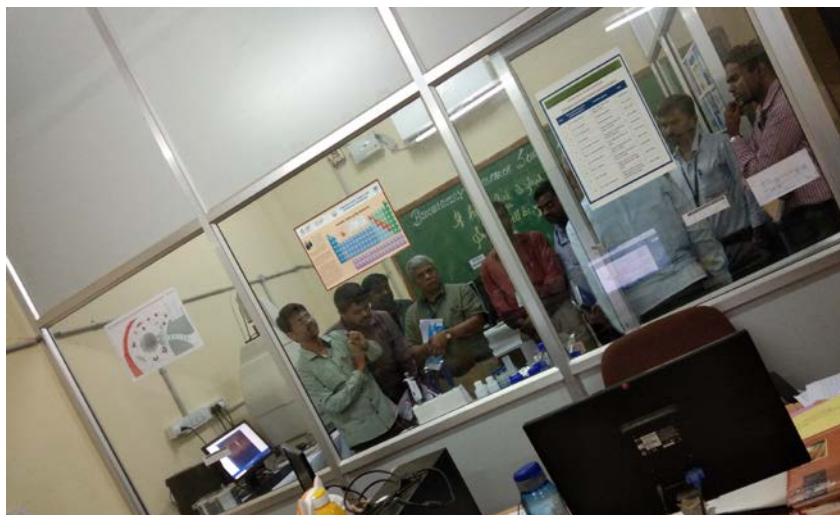
**11.05.2017**

**Consolidated Report**

Biochemistry department has conducted “Short term course on molecular techniques” during 03.05.2017 to 10.05.2017. Totally eleven faculties were attended the program.

**The following key points were discussed with the resource person**

1. Discussed about the theoretical and practical advancements in isolation of nucleic acids
2. Discussed about the theoretical and practical advancements in proteomics
3. Discussed about the theoretical and practical advancements in western blotting
4. Discussed about the theoretical and practical advancements in gene expression analysis



**Dr. M. Sridhar Muthusami has delivered lecture on Molecular Techniques**



# KARPAGAM ACADEMY OF HIGHER EDUCATION

## Department of Biochemistry

---

### Short Term Course on "Molecular Biology Techniques"

#### List of Participants:

NO.	NAME OF THE FACULTY	DESIGNATION
1	Dr. K.Devaki	Associate Professor
2	Dr.K.Poornima	Assistant Professor
3	Dr. M. Sridhar Muthusami	Assistant Professor
4	Dr. L. Hariprasath	Assistant Professor
5	Dr. S. Priyanga	Assistant Professor
6	Dr. D. Selvakumar	Assistant Professor
7	Dr. A. Manimaran	Assistant Professor
8	S. Rajamanikandan	Assistant Professor
9	Dr J.Anitha	Assistant Professor

## ORGANIZING COMMITTEE

Chief Patron

**Dr.S.Sudalaimuthu**

*Vice Chancellor*

*Karpagam Academy of Higher Education*

Patron

**Dr.R.Sundararajan**

*Registrar*

*Karpagam Academy of Higher Education*

**Dr.Lakshmanan**

*Dean*

*Faculty of Engineering*

*Karpagam Academy of Higher Education*

Convenor

**Dr.S.Bhavani**

*Head of the Department*

*Department of Electronics and communication*

*Engg*

*Faculty of Engineering*

*Karpagam Academy of Higher Education*

Organizing Secretary

**Dr.S.Kamalraj/Associate Professor**

*Department of Electronics & Communication Engg*

*Faculty of Engineering*

*Karpagam Academy of Higher Education*

***Mail: [kamalraj.s@kahedu.edu.in](mailto:kamalraj.s@kahedu.edu.in)***

***Contact No: +91 91 9894659690***

Organizing Team Members

**Dr.P.Manimegalai, Associate Professor/ECE**

**Mr.Daranikuma, Assistant Professor/ECE**

**Mr.J.Shafiq Mansoor/Assistant Professor/ECE**

## Topics to be covered:

### Day 1:

Modelling, Simulation and system development steps

Model based engineering

### Speaker:

Mrs. M. Swathy B.E., M.E.,

Assistant Professor, Department Biomedical Engineering

KPR Institute of Engineering and Technology

### Day 2:

Control platform technology

Control engineering technology

### Speaker:

Mrs.D.Hemapriya M.E., (Ph.D)

Assistant Professor ,

Department of Biomedical Engineering,

Dr.N.G.P.Institute of Technology

### Day 3:

Control Analysis

Modelling approaches with examples

### Speaker:

Ms.N.Subhashini, BE, ME, (PhD)

Assistant Professor (Sr.Gr.)

Department Biomedical Engineering

PSG College of Technology

### Day 4:

Model development and validation

Empirical model, Multivariable B-Splines

### Speaker:

Mr.T.Alavanthar, B.E., M.Tech., (Ph.D)

Assistant Professor (Sr.G),

Department Biomedical Engineering

KPR Institute of Engineering and Technology

### Day 5:

Neural Networks, applications

### Speaker:

Dr R Vidhyapriya, BE, ME, PhD

Professor,

Department Biomedical Engineering,

PSG College of Technology

### Day 6:

Multilayered Perceptrons, Fuzzy logic

### Speaker:

Dr.D.Brindha ,B.E,M.Tech,PhD.

Assistant Professor(SG),

Department Biomedical Engineering,

PSG College of Technology

### Day 7:

Local Modelling based on data

Control software

### Speaker:

Ms. P. Bhuvanawari B.Tech., M.Tech., (PhD)

Assistant Professor,

Department Biomedical Engineering

KPR Institute of Engineering and Technology

## KARPAGAM ACADEMY OF HIGHER EDUCATION

(Deemed to be University)

Established Under Section 3 of UGC Act, 1956



## A Joint Programme of Centre for Human Resource Development & Department of Biomedical Engineering

## Seven Days STTP on Modelling of Biomedical Engineering and Applications

on

24.04.2017 to 30.04.2017

Organized By

Department of Biomedical Engineering

Faculty of Engineering



**KARPAGAM ACADEMY OF HIGHER EDUCATION**  
(Deemed to be University Established Under Section 3 of UGC Act 1956)  
Pollachi Main Road, Eachanari Post, Coimbatore – 641 021. INDIA  
Phone No : 0422-6471113, 6471114, 6471115, 6453777 Fax No : 0422 -2980022, 2980023  
Email ID: [info@karpagam.com](mailto:info@karpagam.com) Web : [www.kahedu.edu.in](http://www.kahedu.edu.in)

## **FACULTY OF ENGINEERING**

---

**A JOINT PROGRAMME OF  
CENTRE FOR HUMAN RESOURCE DEVELOPMENT  
AND  
DEPARTMENT OF BIOMEDICAL ENGINEERING**

**Report of Short Term Training Programme on Modelling of  
Biomedical Engineering and Applications**

Report of Seven Days STTP on "Modelling of Biomedical Engineering and Applications" held on 24.04.2017-30.04.2017, organized By Department of Biomedical Engineering, KAHE.

Biomedical engineering (BME) or medical engineering is the application of engineering principles and design concepts to medicine and biology for healthcare purposes. Biomedical engineering has recently emerged as its own study, as compared to many other engineering fields. Such an evolution is common as a new field transitions from being an interdisciplinary specialization among already-established fields, to being considered a field in itself. Much of the work in biomedical engineering consists of research and development, spanning a broad array of subfields. Prominent biomedical engineering

applications include the development of biocompatible prostheses, various diagnostic and therapeutic medical devices ranging from clinical equipment to micro-implants, common imaging equipment such as MRI, ECG, regenerative tissue growth, pharmaceutical drugs and therapeutic biologicals.



**KARPAGAM ACADEMY OF HIGHER EDUCATION** (*Deemed to be University Established Under Section 3 of UGC Act 1956*) Pollachi Main Road, Eachanari Post, Coimbatore – 641 021. INDIA Phone No : 0422-6471113, 6471114, 6471115, 6453777 Fax No : 0422 - 2980022, 2980023

Email ID: [info@karpagam.com](mailto:info@karpagam.com)

Web : [www.kahedu.edu.in](http://www.kahedu.edu.in)

## **FACULTY OF ENGINEERING**

### **A JOINT PROGRAMME OF CENTRE FOR HUMAN RESOURCE DEVELOPMENT AND DEPARTMENT OF BIOMEDICAL ENGINEERING**

Glimpses of Seven Days STTP on "Modelling of Biomedical Engineering and Applications" held on 24.04.2017 to 30.04.2017, organized By Department of Biomedical Engineering, KAHE.



Mr.T.Alavanthar, B.E., M.Tech., (Ph.D)Assistant Professor (Sr.G),Department Biomedical Engineering KPR Institute of Engineering and Technology session on Model development and validation Empirical model on 27.04.2017





Mr.T.Alavanthar, B.E., M.Tech., (Ph.D) Assistant Professor (Sr.G), Department Biomedical Engineering KPR Institute of Engineering and Technology session on Multivariable B-Splines held on 27.04.2017

## KARPAGAM ACADEMY OF HIGHER EDUCATION

(Deemed to be University Established Under Section 3 of UGC Act 1956)

Pollachi Main Road, Eachanari Post,

Coimbatore – 641021, Tamil Nadu, India.

Phone: +91-422-6471113, 6471114, 6471115.

Fax: +91-422-2980022, 2980023; Email: info@kahedu.edu.in

### A Joint Programme of

### Centre for Human Resource Development and Department of Biomedical Engineering

**Seven Days STTP on "Modelling of Biomedical Engineering and Applications" held from  
24.04.2017-30.04.2017**

### LIST OF PARTICIPANTS

S.No.	NAME	DESIGNATION	DEPARTMENT
1	Dr. S. Bhavani	Professor & Head	Faculty of Engineering, KAHE
2	Dr. P. Manimegalai	Professor	Faculty of Engineering, KAHE
3	Dr. Kamalraj Subramaniam	Associate Professor	Faculty of Engineering, KAHE
4	G.R. Mahendra Babu	Assistant Professor	Faculty of Engineering, KAHE
5	Lt.Dr.K.P. Sridhar	Assistant Professor	Faculty of Engineering, KAHE
6	M. Darani Kumar	Assistant Professor	Faculty of Engineering, KAHE
7	A. Jerome Christhudass	Assistant Professor	Faculty of Engineering, KAHE
8	M. Mathi Vijay	Assistant Professor	Faculty of Engineering, KAHE
9	T.S. Aravinth	Lecturer	Faculty of Engineering, KAHE
10	J. Shafiq Mansoor	Lecturer	Faculty of Engineering, KAHE
11	N. Kaleeswari	Assistant Professor	Faculty of Engineering, KAHE
12	Dr.N.Rajalakshmi	Associate Professor	Faculty of Engineering, KAHE

Seven Days STC on

**‘Curriculum Development in Chemistry  
and it's Calculation’**

**April - 2017  
(17.04.2017 -24.04.2017)**

**ORGANIZING COMMITTEE**

**PATRONS**

**Dr. S. SUDALAI MUTHU  
VICE-CHANCELLOR  
Karpagam Academy of Higher Education**

**Dr. G. Sekar  
Registrar**

**Dr. M. Palanisamy  
Dean- FASH**

**CONVENOR  
Dr. S. Ravi  
HOD, Department of Chemistry,  
Karpagam Academy of Higher Education.**

**ORGANIZING SECRETARY  
Dr. M. Makeswari  
Assistant Professor, Department of Chemistry  
Karpagam Academy of Higher Education**

**CO-ORDINATOR  
B. Prabha  
AP, Department of Chemistry,  
Karpagam Academy of Higher Education,**

For Enquiries contact:  
Cell: 9677176142, 8903500032  
kahetrib@gmail.com

**INVITED SPEAKERS**

**Dr. Shubashini K.Sripathi  
Professor,  
Department of Chemistry,  
Avinashilingam institute of Home Science and  
Higher Education for Women**

**Dr.M.G.Sethuraman  
Professor, Dept. of Chemistry  
The Gandhigram Rural Institute (Deemed to  
be University)**

**Dr.J.Thamarai selvi,  
Associate Professor,  
Department of Chemistry,  
Avinashilingam institute of Home Science and  
Higher Education for Women**

**Dr. R. Rajvel,  
Associate Professor  
Department of Chemistry,  
Periyar University.**



Seven Days STC on

**‘ Curriculum Development in  
Chemistry and it's Calculation’**

**April - 2017  
(17.04.2017-24.04.2017)**

**A Joint Programme of Centre For  
Human Resource Development &  
Department of Chemistry**



**KARPAGAM ACADEMY OF HIGHER EDUCATION  
(Deemed to be University Established Under Section 3 of  
UGC Act 1956)**

**Pollachi Main Road, Eachanari Post,  
Coimbatore – 641 021. INDIA**

**Phone : 0422-6471113-5, 6453777 Fax No : 0422 -  
2980022-3**

**Email : info@karpagam.com Web : [www.kahedu.edu.in](http://www.kahedu.edu.in)**

**KARPAGAM ACADEMY OF HIGHER EDUCATION**  
**(Deemed to be University)**

Coimbatore – 641 021

**A JOINT PROGRAMME OF CENTRE FOR HUMAN RESOURCE DEVELOPMENT &  
DEPARTMENT OF CHEMISTRY**

**Report on the Short term Course on “Curriculum development in chemistry and its calculations” conducted between 17-04-17 to 24-04-2017**

A Short term course on “Curriculum development in chemistry and its calculation” conducted between 17-04-17 to 24-04-2017 for the Faculty members of Department of Chemistry. About 13 faculty members attended the programme.

This course aims to provide opportunities to faculty members to enrich their technical knowledge in the field of instrumentations and its calculations. The Programme also intends to develop the knowledge of the participants in the relevant field for inculcating learning values in students. The Programme also intends to develop the culture in participants for motivation the relevant field for inculcating learning values in students and guiding and monitoring their progress.

All the sessions were very much informative. The discussed areas are of great benefit for the participants for develops the academic curriculum. Participants were enlightened with the most widely used advance strategies in curriculum development in chemistry and its calcuations. This in turn will help in motivating participants as well as students & student’s placement opportunity.

All participants received certificate. The program was ended with vote of thanks by Dr. M. R. Ezhilarasi.



Dr. M.R. Ezhilarasi Delivered the vote of thanks at the end of the day.

*S.Ran*



**KARPAGAM ACADEMY OF HIGHER EDUCATION**  
**(Deemed to be University)**

Coimbatore – 641 021

**A JOINT PROGRAMME OF CENTRE FOR HUMAN RESOURCE DEVELOPMENT &  
DEPARTMENT OF CHEMISTRY**

Short Term course on “**Curriculum Development in Chemistry and Its Calculations**”

**Date:** From 17-04-17 to 24-04-17

**Venue:** Department of Chemistry

**Name list**

<b>S.No</b>	<b>Faculty Name</b>	<b>Designation</b>
1	Dr.S.Ravi	Prof. & Head
2	Mrs.R.Sharmila Devi	Assistant Professor
3	Dr.A.Thangamani	Assistant Professor
4	Dr.M.R.Ezhilarasi	Assistant Professor/ Exam Cell Coordinator
5	Dr.K.Sundaram	Assistant Professor
6	Dr.M.Makeswari	Assistant Professor
7	Ms.B.Prabha	Assistant Professor
8	Mr.R.Kumar	Assistant Professor
9	Mrs.H.Revathi	Assistant Professor
10	Mr.M.Dinesh Kumar	Assistant Professor
11	Dr.M.Surendiran	Assistant Professor
12	Mr.M.Gopalakrishnan	Assistant Professor



## ORGANIZING COMMITTEE

### CHIEF PATRON

Dr. SUDALAIMUTHU

### VICE CHANCELLOR.

### PATRON

Dr. G. SEKAR

### REGISTRAR

### CONVENOR

Dr. R .THILAGAVATHI

HOD,DEPARTMENT OF BIOTECHNOLOGY (FOE),

KARPAGAM UNIVERSITY.

### ORGANIZING SECRETARY

Mr. D. ALWIN JOHNNIE

ASSISTANT PROFESSOR

DEPARTMENT OF BIOTECHNOLOGY (FOE)

### ORGANIZING TEAM MEMBERS

Ms. S. ADAM

ASSISTANT PROFESSOR

DEPARTMENT OF BIOTECHNOLOGY (FOE)

Ms. V. VIJAYALAKSHMI

ASSISTANT PROFESSOR

DEPARTMENT OF BIOTECHNOLOGY (FOE)

## KEY NOTE SPEAKERS

17/04/2017:

Ms. JAYAPRABHA,Msc

Associate Professor,  
School of Biotechnology,  
Dr G R Damodaran College of Science.

18/04/2017:

Dr. S. BHARGAVI MBBS, FRCS,MCH

Surgical oncologist  
Sri Ramakrishna Hospital,Coimbatore.

19/04/2017:

Dr.BHARATH RANGARAJAN, MD ,DM,ECM

Oncology and Medicine specialist,  
Kovai Medical Center and Hospital, Coimbatore

20/04/2017:

Ms. JAYAPRABHA,Msc

Associate Professor, School of Biotechnology,  
Dr G R Damodaran College of Science

21/04/2017:

Dr. S. BHARGAVI MBBS, FRCS,MCH

Surgical oncologist,  
Sri Ramakrishna Hospital,Coimbatore.

22/04/2017:

Dr.BHARATH RANGARAJAN, MD ,DM,ECM

Oncology and Medicine specialist,  
Kovai Medical Center and Hospital, Coimbatore

24/04/2016:

Ms. JAYAPRABHA,Msc

Associate Professor,  
School of Biotechnology,  
Dr G R Damodaran College of Science.

## SHORT TERM COURSE ON HYBRIDOMA TECHNOLOGY: PRODUCTION, PURIFICATION AND APPLICATION

**17/04/2017-24/04/2017**

**A JOINT PROGRAMME OF  
CENTRE FOR HUMAN  
RESOURCE DEVELOPMENT  
AND  
DEPARTMENT OF  
BIOTECHNOLOGY  
FACULTY OF ENGINEERING**



**KARPAGAM**  
ACADEMY OF HIGHER EDUCATION  
(Deemed to be University)  
(Established Under Section 3 of UGC Act, 1956)

Karpagam Academy of Higher Education  
(Deemed to be University)  
(Established Under Section 3 of UGC Act 1956)  
Pollachi Main Road, Eachanari Post  
Coimbatore – 641 021, INDIA  
Phone : 0422-2980011-14  
Fax : 0422-2980022-23  
Email: [info@karpagam.com](mailto:info@karpagam.com)  
Web : [www.kahedu.edu.in](http://www.kahedu.edu.in)

27-04-2017

**A JOINT PROGRAMME OF  
CENTRE FOR HUMAN RESOURCE DEVELOPMENT  
AND  
DEPARTMENT OF BIOTECHNOLOGY (FoE)**

**Report on Short Term Course on "Hybridoma technology:  
Production, Purification and Application "**

**17.04.2017 – 24.04.2017**

Short term course on "Hybridoma technology: Production, Purification and Application" was organized by Department of Biotechnology, Karpagam Academy of Higher Education on 17.04.2017- 24.0.2017. As part of this programme, Guests from various academic institutions were invited to throw light on the importance of hybridoma technology and its current application in Biotechnology field.

**G. Jayaprabha**, Associate Professor, School of Biotechnology in Dr G R Damodaran College of Science was the first speaker for the programme. She initiated her talk by elaborating on hybridoma technology. She also addressed about the benefits of using hybridoma technology for *in vivo* applications and also described about the some of the major contributions that hybridoma-derived mAbs have made in *in vivo* research and therapy.



Short term course on "Hybridoma technology: Production, Purification and Application" was conducted from 17/04/2017 to 24/04/2017

**Dr. S. Bhargavi**, Surgical oncologist from Sri Ramakrishna hospital has initiated the talk by illustrating the overview on the history of antibody identification of tumor surface antigens, antigenic targets suitable for antibody-based therapy, antibody's mechanisms of action, and recent successes of antibodies in the clinical field which are engineered through hybridoma technology.

**Dr. Bharath Ragarajan**, Oncology and Medicine specialist, Kovai Medical Center and Hospital, Coimbatore has initiated his talk by elaborating on the epidemiology of breast and lung cancer. He also illustrate the current treatment methods for breast cancer and the difficulties faced by the oncologist and also he added note on how these difficulties can be overcome by hybridoma technology.

**A JOINT PROGRAMME OF  
CENTRE FOR HUMAN RESOURCE DEVELOPMENT  
AND**

**DEPARTMENT OF BIOTECHNOLOGY (FoE)**

**Snapshots of Short Term Course on  
“Hybridoma technology: Production, Purification and Application”**

**17.04.2017 - 24.04.2017**



Ms.G.Jayaprabha delivering her talk on " Hybridoma technology: Production, purification and application" on 17/04/2017



Dr. Bharath Ragarajan delivering her talk on " Hybridoma technology: Production, purification and application" on 19/04/2017

27-04-2017

**A JOINT PROGRAMME OF  
CENTRE FOR HUMAN RESOURCE DEVELOPMENT  
AND  
DEPARTMENT OF BIOTECHNOLOGY (FoE)**

**Short Term Course on**

**“Hybridoma technology: Production, Purification and Application”**

**17.04.2017 - 24.04.2017**

**LIST OF PARTICIPANTS**

Sl.No	Faculty Name	Designation
1	Dr. R. Thilagavathi	HoD
2	Ms. P. Esther Jemima	Assistant Professor
3	Ms. V. Vijayalakshmi	Assistant Professor
4	Mr. A. Nandhakumar	Assistant Professor
5	Mr. S. Adam	Assistant Professor
6	Mr. D. Awin Johnnie	Assistant Professor



## ORGANIZING COMMITTEE

### Chief Patron

**Dr.S.Sudalaimuthu**

*Vice Chancellor*

*Karpagam Academy of Higher Education*

### Patrons

**Dr.R.Sundararajan**

*Registrar*

*Karpagam Academy of Higher Education*

**Dr.Lakshmanan**

*Dean*

*Faculty of Engineering*

*Karpagam Academy of Higher Education*

### Convenor

**Dr.S.Bhavani**

*Head of the Department*

*Department of Electronics and communication*

*Engg*

*Faculty of Engineering*

*Karpagam Academy of Higher Education*

### Organizing Secretary

**Mr.G.R.MahendraBabu, M.E**

*Department of Electronics & Communication Engg*

*Faculty of Engineering*

*Karpagam Academy of Higher Education*

*Mail: [mahendrababu.gr@kahedu.edu.in](mailto:mahendrababu.gr@kahedu.edu.in)*

*Contact No: +91 9965539275, +91 7795614984*

Organizing Team Members

Dr.S.Kamalraj, Associate Professor/ECE/KAHE

Mr.M.Darani Kumar, AP/ECE/KAHE

Mr.T.S. Aravinth, AP/ECE/KAHE

## Topics to be Covered:

### DAY 1:

- VLSI Design Flow Analog

Speaker: Dr.K.Gunavathi, Professor,

PSG College of Technology, Coimbatore

### DAY 2:

- VLSI Design Flow Digital

Speaker: Dr.P.T.Vanathi,

Associate Professor,

PSG College of Technology, Coimbatore

### DAY 3:

- Digital Circuit design using cadence IES

Speaker: Dr. J.Ramesh, Assistant Professor

PSG College of Technology, Coimbatore

### DAY 4:

- Synthesis using RTL compiler

Speaker: Dr. S. Hema Chitra,

Assistant Professor

PSG College of Technology, Coimbatore

### DAY 5:

- Analog Circuit design using cadence virtuoso tool

Speaker: Dr.Ramalatha Marimuthu, Professor,

Kumaraguru college of Technology,

Coimbatore

### DAY 6 :

- Digital Circuit design using cadence virtuoso tool

Speaker: Dr.M.Shanthi Associate Professor,

Kumaraguru college of Technology,

Coimbatore

### DAY 7 :

- ❖ Design & Simulation

Speaker: Ms.V.Uma Maheswari, Asst Professor

Kumaraguru college of Technology,

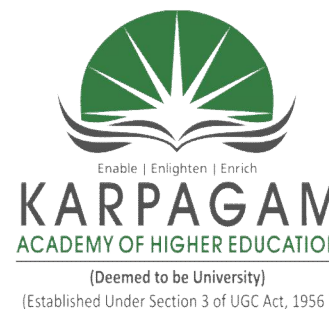
Coimbatore

**Venue: DSP Labortory**

## KARPAGAM ACADEMY OF HIGHER EDUCATION

(Deemed to be University)

Established Under Section 3 of UGC Act, 1956



A Joint Programme of Centre for Human Resource  
Development  
and  
Department of Electronics & Communication  
Engineering

Organizes  
One Week STTP  
On  
**"VLSI Design Using CADENCE Tools"**  
On  
17.04.2017 to 24.04.2017

## **FACULTY OF ENGINEERING**

### **A JOINT PROGRAMME OF CENTRE FOR HUMAN RESOURCE DEVELOPMENT AND DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING**

#### **Report of “VLSI Design using CADENCE TOOLS”**

Report of One Week STTP on "VLSI Design Using CADENCE Tools" held on 17.04.2017 to 24.04.2017, organized By Department of Electronics & Communication Engineering, KAHE.

One Week STTP on "VLSI Design Using CADENCE Tools" focuses on the design of Analog circuits & Digital circuits. It's a refresher course intended to faculty interested in VLSI circuit design & helpful to them in their academics. The course is hands on based using industry standard CADENCE tool.

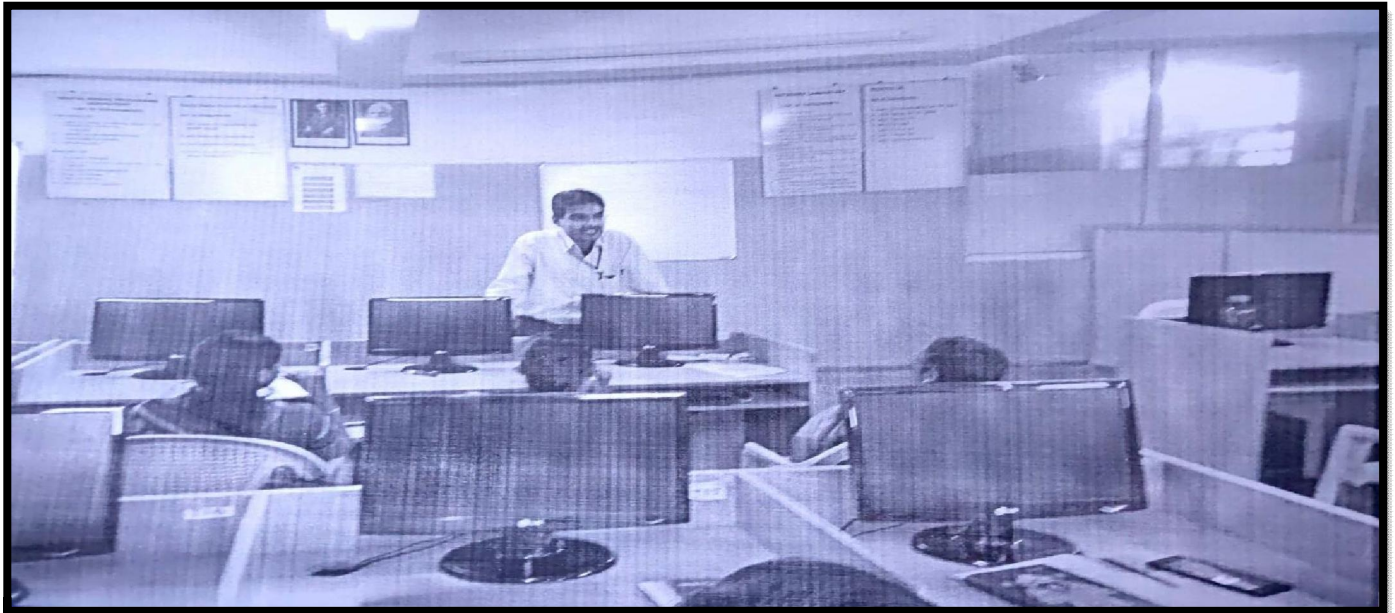
#### **LIST OF TOPICS COVERED IN THE FDP COURSE :**

- VLSI Design Flow(Analog & Digital)
- Digital Circuit design using cadence IES
- Synthesis using RTL compiler
- Analog Circuit design using cadence virtuoso tool
- Design & Simulation

Chip design in India is poised to move into the big league with multinational, design service companies product companies, startups in the country grow day by day.

Senior semiconductor executives, Trade bodies such as NASSCOM see this as sunrise Industry and state that the only impediment is potential shortfall of the quality VLSI trained talent. Hence this FDP strives to build the manpower pool, with the main aim of producing India a VLSI Design power house in the global semiconductor design and development world.

Cadence is committed to helping its customers by providing them with a is engineer used to experience cadence EDA tool.



---

**A Joint Programme of  
Centre for Human Resource Development  
and  
Department of Electronics & Communication Engineering**

Glimpses of One Week STTP on "**VLSI Design Using CADENCE Tools**" held on 17.04.2017 to 24.04.2017, organized By Department of Electronics & Communication Engineering, KAHE



Digital Circuit design using cadence IES **session handled by** Dr. J.Ramesh, Assistant Professor  
PSG College of Technology, Coimbatore on 19.04.2017





Session on digital logic design on 19.04.2017(FN)



Session on CADENCE TOOL and circuit implementation using CADENCE on 19.04.2017(AN)





Hands on training on CADENCE TOOLS on 19.04.2017

**A Joint Programme of Centre for Human Resource Development**

**and**

**Department of Electronics & Communication Engineering**

**“One Week STTP on "VLSI Design Using CADENCE Tools" held from 17.04.2017-24.04.2017**

**LIST OF PARTICIPANTS**

S.No.	NAME	DESIGNATION	DEPARTMENT
1	Dr. S. Bhavani	Professor & Head	Faculty of Engineering, KAHE
2	Dr. P. Manimegalai	Professor	Faculty of Engineering, KAHE
3	Dr. Kamalraj Subramaniam	Associate Professor	Faculty of Engineering, KAHE
4	G.R. Mahendra Babu	Assistant Professor	Faculty of Engineering, KAHE
5	K.P. Sridhar	Assistant Professor	Faculty of Engineering, KAHE
6	M. Darani Kumar	Assistant Professor	Faculty of Engineering, KAHE
7	A. Jerome Christhudass	Assistant Professor	Faculty of Engineering, KAHE
8	M. Mathi Vijay	Assistant Professor	Faculty of Engineering, KAHE
9	T.S. Aravinth	Lecturer	Faculty of Engineering, KAHE
10	J. Shafiq Mansoor	Lecturer	Faculty of Engineering, KAHE
11	N. Kaleeswari	Assistant Professor	Faculty of Engineering, KAHE
12	G. Rajarathinam	Assistant Professor	Faculty of Engineering, KAHE

## ORGANIZING COMMITTEE

### Chief Patron

**Dr. S. SUDALAIMUTHU**

Vice Chancellor, Karpagam Academy of  
Higher Education

### Patron

 **Dr.G.Sekar ,**

Registrar, Karpagam Academy of Higher  
Education

 **Dr.Lakshmanan ,**

Dean, Faculty of Engineering, KAHE

### Convenor

**Dr. N. Mohana Priya ,**

Head of the Department/CSE,FOE  
Karpagam Academy of Higher Education

### Organizing Secretary


**Mr.R.Santhosh,** Assistant Professor,  
FOE.Karpagam Academy of Higher  
Education.

### Organizing Team Members

 Mr. B.Arunkumar,

AssistantProfessor,FOE,KAHE.

 K.S. Sindhu Assistant Professor,FOE,KAHE

 Ms. T.Mohan Raj, Assistant  
Professor,FOE,KAHE

## PROGRAMME SCHEDULE

Inauguration 9.30 am - 10.30 am

### DAY I

**Session 11.00 am - 04.30 pm**

Topic : "What is R Programming Language"

Speaker : Ms. G.Asha, Assistant Professor,  
MES College of Engineering Kuttippuram

### DAY II

**Session 10.00 Am - 4.30 pm**

Topic : " Data Preparation"

Speaker: Dr.A.Sabari, KSR, Tiruchengode

### DAY III

**Session10.00 Am - 4.30 pm**

Topic : "R Programming and its tools "

Speaker:Dr.RanjeethVittalPowar,  
Government Polytechnic College, Kohlapur

### DAY IV

**Session 10.00 Am - 4.30 pm**

Topic : " Comparison With Other Programming  
Language "

Speaker: Dr.M.Mohanapriya, CIT,Coimbatore.

### DAY V

**Session 10.00 Am - 4.30 pm**

Topic : "Features Of R"

Speaker:Dr.S.Suresh Kumar, SREC, Coimbatore

### DAY VI

**Session 10.00 Am - 4.30 pm**

Topic : "Merits & Demerits of R "

Speaker: Dr.Mayilvelkumar, KIT, Coimbatore

### DAY VII

**Session 10.00 Am - 4.30 pm**

Topic : "Intraction With R Studio"

Speaker: Dr.P.Amudhabala,Reva university,  
Bangalore

## KARPAGAM ACADEMY OF HIGHER EDUCATION



**A Joint Programme of  
Centre for Human Resource  
Development  
and  
Department of Computer Science and  
Engineering**

**Short Term Course  
on  
Introduction to R Programming**

**17<sup>th</sup> April 2017 to 24<sup>th</sup> Apr 2017**

**Organized by**

**Department of Computer Science and  
Engineering**

**Venue : Thiruvalluvar hall**

**A JOINT PROGRAMME OF  
CENTRE FOR HUMAN RESOURCE DEVELOPMENT  
AND  
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**

**SHORT TERM COURSE REPORT**

**on  
Introduction to R Programming**

**Area:** Introduction to R Programming

**Date:** 17.04.2017 - 24.04.2017

**Venue:** Thiruvalluvar Hall

**FDP SUMMARY:**

**Introduction to R Programming**

**R** is a programming language developed by Ross Ihaka and Robert Gentleman in 1993. R possesses an extensive catalog of statistical and graphical methods. It includes machine learning algorithms, linear regression, time series, statistical inference to name a few. Most of the R libraries are written in R, but for heavy computational tasks, C, C++ and Fortran codes are preferred.

Data analysis with R is done in a series of steps; programming, transforming, discovering, modeling and communicate the results

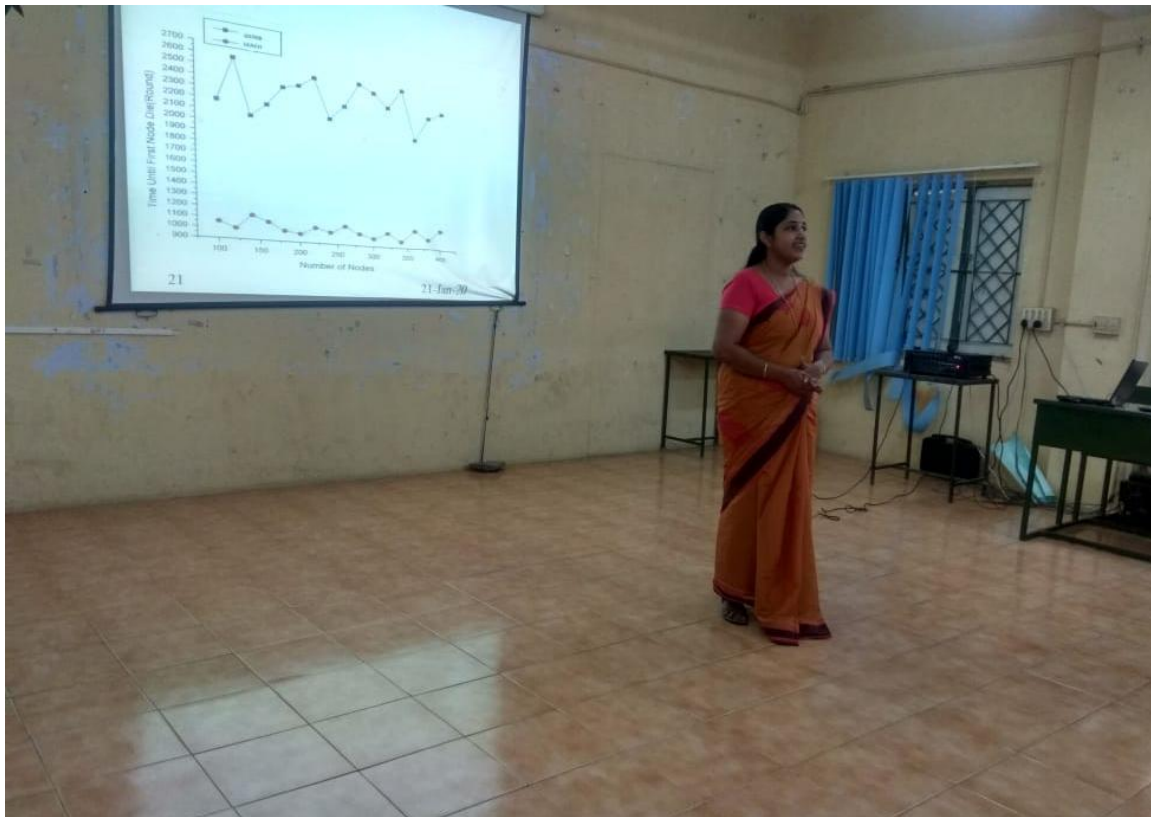
- **Program:** R is a clear and accessible programming tool
- **Transform:** R is made up of a collection of libraries designed specifically for data science
- **Discover:** Investigate the data, refine your hypothesis and analyse them
- **Model:** R provides a wide array of tools to capture the right model for your data
- **Communicate:** Integrate codes, graphs, and outputs to a report with R Markdown or build Shiny apps to share with the world

**Installing IDE for R**

R is a programming language. To use R, we need to install an **Integrated Development Environment (IDE)**. **R studio** is the Best IDE available as it is user-friendly, open-source and is part of the Anaconda platform.

## Anaconda

Anaconda free open source is distributing both Python and R programming language. Anaconda is widely used in the scientific community and data scientist to carry out Machine Learning project or data analysis.



**Ms. G.Asha deliver her lecture on Introduction to R Programming on 17.04.2017**



**A JOINT PROGRAMME OF  
CENTRE FOR HUMAN RESOURCE DEVELOPMENT  
AND  
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**

**SHORT TERM COURSE  
ON  
INTRODUCTION TO R PROGRAMMING**

**List of Participants**

**Date: 17.04.2017 - 24.04.2017**

<b>S.NO.</b>	<b>NAME OF THE STAFF</b>	<b>DESIGNATION</b>
<b>1.</b>	Dr. M. Mohanapriya	Head of the Department
<b>2.</b>	M. Vigneshwar	Assistant Professor
<b>3.</b>	S.Shahul Hammed	Assistant Professor
<b>4.</b>	T.Mohan Raj	Assistant Professor
<b>5.</b>	R.Santhosh	Assistant Professor
<b>6.</b>	B.Arunkumar	Assistant Professor
<b>7.</b>	K. Malathi	Assistant Professor
<b>8.</b>	G. Gomathi	Assistant Professor
<b>9.</b>	B. Vidhyabanu	Assistant Professor
<b>10.</b>	S. Rinesh	Assistant Professor
<b>11.</b>	K. Sundareswari	Assistant Professor
<b>12.</b>	A. Vijay	Assistant Professor
<b>13.</b>	R. Ranjani	Assistant Professor

## ORGANIZING COMMITTEE

### Chief Patron

**Dr. S. Sudalaimuthu**  
Vice Chancellor  
Karpagam University

### Patron

**Dr. G.Sekar**  
Registrar  
Karpagam University

### Convenors

**Dr. R. Sundararajan**  
Dean Faculty of Engineering  
Karpagam University

### Dr. P.Shanmugasundaram

Head of the Department  
Department of Mechanical Engineering  
Karpagam University

### Organizing Secretary

**Mr.C.Nithiyapathi ,**  
Assistant professor  
Department of Mechanical Engineering  
Karpagam University

## Program Schedule:

Date	Topic	Resource Person
17.04.17	Advanced Composites	<b>Dr.D.Shanmugam</b> Associate Professor / Dr Mahalingam College of Engineering and Technology, Pollachi
18.04.17	Natural Composites	<b>Dr.Mohammed Bak Kamaludeen,</b> Associate Professor / Aeronautical Engineering / Hindustan Institute of Technology
19.04.17	Mechanical Characterization	<b>Dr.N.M.Sivaram</b> Associate Professor/Mech/KU
20.04.17	Manufacturing Process	<b>Mr.Milon D.Selvam,</b> Assistant Professor/Mech/KU
21.04.17	Manufacturing Process	<b>Dr.S.Prabakaran</b> Professor/Mech/KU
22.04.17	Testing of Composites	<b>Mr.A. Sivanantham,</b> Assistant Professor/Mech/KU
24.04.17	Structural Applications	<b>Mr.C.Nithiyapathi,</b> Assistant professor/Mech/KU

## KARPAGAM UNIVERSITY



**A Joint Programme of  
Center for Human Resource Development  
and  
Department of Mechanical Engineering**

**Professional Development Programme  
on  
“Composite Materials and  
Manufacturing”**

**17<sup>th</sup> - 24<sup>th</sup> April 2017**

**Venue: Seminar Hall – Mechanical Engineering**

**Organized by**

**Department of Mechanical Engineering  
*Faculty of Engineering***

**A JOINT PROGRAMME OF  
CENTER FOR HUMAN RESOURCE DEVELOPMENT  
AND  
DEPARTMENT OF MECHANICAL ENGINEERING**

**Report on Professional Development Programme on Composite Materials and Manufacturing**

**Date / Venue : 17.04.2017 to 24.04.2017/UE – 308 (Mechanical Seminar Hall)**

**Programme Description:**

- Dr.R.Sundararajan, Dean – Faculty of Engineering, Karpagam University inaugurated the programme.
- Dr.P.Shanmugasundaram, Professor, Department of Mechanical Engineering delivered the welcome address.
- Advanced Composites topic was handled by Dr.D.Shanmugam, Associate Professor / Dr Mahalingam College of Engineering and Technology, Pollachi on Day 1 (17.04.2017).
- Day 2 (18.04.2017) session was handled by Dr.Mohammed Bak Kamaludeen, Associate Professor / Aeronautical Engineering / Hindustan Institute of Technology and the topic was Natural Composites.
- Day 3 (19.04.2017), Dr.N.M.Sivaram, Associate Professor/Mech/KU handled with the topic of Mechanical Characterization.
- Manufacturing Process topic was handled by Mr.Milon D.Selvam, Assistant Professor/Mech/KU on Day 4 (20.04.2017) and Dr.S.Prabakaran, Professor/Mech/KU on Day 5 (21.04.2017).
- Day 6 (22.04.2017) was handled by Mr.A. Sivanantham, Assistant Professor/Mech/KU on the topic of Testing of Composites.
- Day 7 (24.04.2017) was handled by Mr.C.Nithiyapathi, Assistant professor/Mech/KU on the topic of Structural Applications
- Last session was feedback and valedictory. The vote of thanks was given by Mr.C.Nithiyapathi.



22.04.2017 - Manufacturing of Composite in Stir Casting Machine



**KARPAGAM UNIVERSITY**  
(Established Under Section 3 of UGC Act, 1956)  
Post, Coimbatore-641021. Tamilnadu, India.  
**FACULTY OF ENGINEERING**  
**DEPARTMENT OF MECHANICAL ENGINEERING**

**A Joint Programme of  
Center for Human Resource Development  
and  
Department of Mechanical Engineering**

**Professional Development Programme on “Composite Materials and Manufacturing” 17<sup>th</sup> to 24<sup>th</sup> April -2017**

**LIST OF PARTICIPANTS**

<b>Sl. No</b>	<b>Name of the Participant</b>	<b>Designation</b>
1.	Dr.P.Shanmughasundaram	Professor & Head
2.	Dr.S.Prabakaran	Professor
3.	Dr.R.Sivaprakasam	Professor
4.	Dr.N.M.Sivaram	Associate Professor
5.	Dr.Debabrata Barik	Associate Professor
6.	Mr.A. Sivanantham	Assistant Professor
7.	Mr.R.Karuppasamy	Assistant Professor
8.	Mr.MilonD.Selvam	Assistant Professor
9.	Mr.E. Viswanathan	Assistant Professor
10.	Mr.P. Arunkumar	Assistant Professor
11.	Mr.S.Aravind	Assistant Professor
12.	Mr.T. M. Karthikeyan	Assistant Professor
13.	Mr.K. Prasath	Assistant Professor
14.	Mr.S. Balakumar	Assistant Professor
15.	Mr.A. P. Arunkumar	Assistant Professor

16.	Mr.P. Dhachinamoorthi	Assistant Professor
17.	Mr.G.Vignesh	Assistant Professor
18.	Mr.A.J.R.Nelson	Assistant Professor
19.	Mr.P.Paranthaman	Assistant Professor
20.	Mr.U.P. Arunkumar	Assistant Professor
21.	Mr.M.Prakash	Assistant Professor
22.	Mr.P.Ragupathi	Assistant Professor
23.	Mr.D.Sathish Kumar	Assistant Professor
24.	Mr. R.Prasanna	Assistant Professor
25.	Dr.P.M.Gopal	Assistant Professor
26.	Mr.N.Sathieshkumar	Assistant Professor
27.	Ms. R. Iswarya	Assistant Professor
28.	Mr.J.Arun Prakash	Assistant Professor
29.	Mr.R.Suresh Balaji	Assistant Professor
30.	Mrs.P.Jayapradha	Assistant Professor



## **ADVISORY COMMITTEE**

### **CHIEF PATRON**

**Dr.S.SUDALAIMUTHU**

*Vice-Chancellor*

### **PATRON**

**Dr. G SEKAR,**

Registrar, Karpagam Academy of Higher Education

**Dr. R. SUNDARARAJAN,** Dean,

Faculty of Engineering Karpagam Academy of Higher Education

### **CONVENOR**

**Dr.N.Balasundaram**

Professor & Head

Department of Civil Engineering

**Dr.M.Natarajan**

Professor

Department of Civil Engineering

### **ORGANIZING SECRETARY**

**Mr.V.Johnpaul.**

Assistant Professor,

Civil Engineering Department

### **COMMITTEE MEMBERS**

- Dr.Pa.Ganeshwaran, Professor / Civil
- Dr.G.R.Vijayashankar, AP / Civil
- Mrs.M.Vidhya, AP/Civil
- Ms.S.M.Leela Bharathi, AP/Civil
- Ms.R.Sindhu, AP/Civil
- Mr.M.Sumesh, AP/Civil
- Ms. P.Preethi, AP/Civil

## **RESOURCE PERSONS:**

- **Dr.J. Shankar,**  
Consulting Engineer, Surrya Builders, Salem
- **Dr. M. Ravichandran,**  
Executive Engineer, TNPCB, Karur
- **Er. Shivalingam,**  
Civil Engineer, PWD (Water resource),  
Coimbatore
- **Dr. E.D.Vishwanathan,**  
Consulting Engineer, Salem
- **Dr. N. Kumar,**  
Executive Engineer, Horticulture Department,  
Ooty

### **ABOUT THE PROGRAM**

The design, fabrication, and construction of Bridges are one of the ultimate challenges to engineering sector today. Because they form the essence of system intelligence, one of the cores of smart structures technology. This program to impart knowledge on the behaviour and design aspects of various types of bridges.

### **TOPICS TO BE COVERED**

- Schedule 1: Fundamentals of Road Bridges
- Schedule 2: Concrete Bridges
- Schedule 3: Solid slab Bridges
- Schedule 4: Girder Bridges
- Schedule 5: Pre –stressed Concrete Bridges
- Schedule 6: Analysis of Bridge Decks
- Schedule 7: Field visit



**A Joint Programme of  
Centre for Human Resource Development  
and  
Department of Civil Engineering**

**One Week Professional Development  
Programme  
On  
Road Bridges**

**from  
13.04.2017 to 20.04.2017**

**Organized by  
Department of Civil Engineering  
Karpagam Academy of Higher Education  
(Deemed to be University)  
(Established Under Section 3 of UGC Act 1956)  
Pollachi Main Road, Eachanari Post,  
Coimbatore – 641 021.**

**Phone No: 0422-298001-14,  
Fax No : 0422-2980022, 2980023  
Email ID: info@kahedu.edu.in  
Web: www.kahedu.edu.in**

**A JOINT PROGRAMME OF  
CENTRE FOR HUMAN RESOURCE DEVELOPMENT  
AND  
DEPARTMENT OF CIVIL ENGINEERING  
REPORT  
ON  
PROFESSIONAL DEVELOPMENT PROGRAM ON ROAD BRIDGES**

**Topic:** Professional Development Program on Road bridges

**Expert Name:**

**Date:** 13.04.2017 to 20.04.2017

**Venue:** UM- 213

**FDP SUMMARY:**

**Need for the Topic**

Professional Development Program on Road bridges is the discussion topic chosen to impart knowledge on the behaviour and design aspects of various types of bridges are required for the faculties which in turn will help them to enhance their skills.

**Key Points Discussed:**

- Bridges
- Girders
- Bridge Deck
- Pre stressed concrete bridge

**Session Outcome:**

At the end of the session the following outcomes were gained

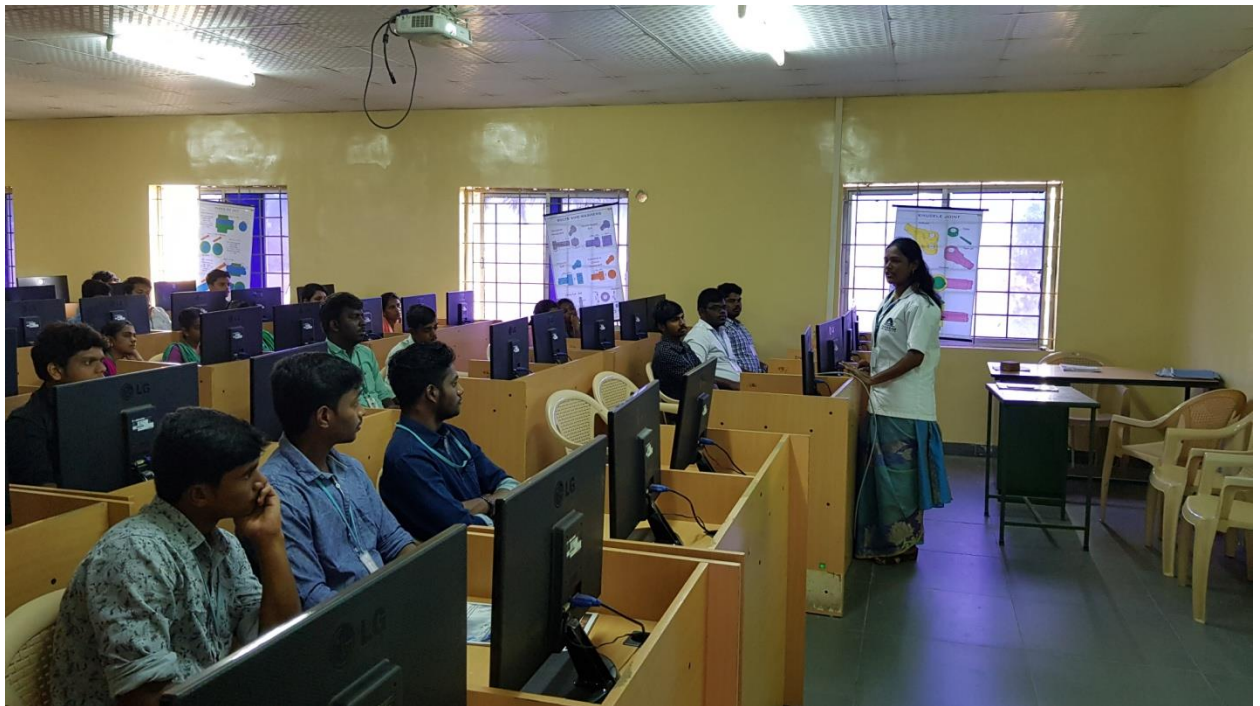
1. Types of road bridges
2. Designing the bridge structure steps
3. Analyze the bridges
4. Load calculations



**FDPlecture by Dr. E.B. Perumal Pillai**



**Professional Development Program *on* Road Bridges - 13.04.2017**



**Analysis of Bridge Decks- 19.04.2017**





**KARPAGAM ACADEMY OF HIGHER EDUCATION**  
**EACHANARI, COIMBATORE-21**  
**FACULTY OF ENGINEERING**  
**DEPARTMENT OF CIVIL ENGINEERING**

**Professional Development Programme on Road Bridges**

**13.04.2017 to 20.04.2017**

List of participants.

S.No	Name of the Staff	Designation
1.	Dr.N.Balasundram	Professor
2.	Dr.Natarajan M	Professor
3.	Dr.A.Kathiresan	Professor
4.	Dr.G.R.Vijayshankar	Assistant Professor
5.	Mr.V.Venugopalan	Assistant Professor
6.	Mr.A.Thangadurai	Assistant Professor
7.	Ms.S.Gobhiga	Assistant Professor
8.	Mrs.Rubini.K	Assistant Professor
9.	Mr. J.Jenin Rajasingh	Assistant Professor
10.	Mrs.E.Ezhilarasi	Assistant Professor
11.	Ms.B.Preethiwini	Assistant Professor
12.	Ms.S.M.Leela Bharathi	Assistant Professor
13.	Mr.V.John Paul	Assistant Professor
14.	Mr.Ramesh D	Assistant Professor
15.	Er. Velmurugan S	Assistant Professor
16.	Ms.M.Nandhini Chella Kavitha	Assistant Professor
17.	Ms.Nisha Devi A	Assistant Professor
18.	Ms. Sindhu. R	Assistant Professor
19.	Mrs.Vidhya M	Lecturer



## ORGANIZING COMMITTEE

### Chief Patron

**Dr. R. VASANTHAKUMAR**

President, Karpagam Educational Institutions

### Patrons

**Shri. K. MURUGAIAH**

Chief Executive Officer, Karpagam Educational Institutions

**Shri. V. KRISHNAKUMAR**

Chancellor, Karpagam Academy of Higher Education

**Dr. S. SUDALAIMUTHU**

Vice Chancellor, Karpagam Academy of Higher Education

**Dr. R. SUNDARARAJAN**

Registrar, Karpagam Academy of Higher Education

### Convenor

**Dr.R.SUNDARAGANAPATHY**, Dean,

Faculty of Pharmacy, Karpagam Academy of Higher Education.

### Organizing Secretary

Mr.M.KANNAN, Associate Professor

### Organizing Team Members:

Mrs.G.PRAVEENA Assistant Professor

MS. K.GAYATHRI Assistant Professor

Ms. N. M. GAYATHIRI Assistant Professor

Mr. A. LALITH MUKESH Assistant Professor

MR. V. SHIVA KUMAR Assistant Professor

## PROGRAMME SCHEDULE

Inauguration 9.30 am - 10.30 am

### DAY I

Session I :11.00 am - 04.30 pm

Topic : **"Teaching With Technology"**

Speaker: Dr.S.KOWSALYA, Associate Professor  
College of Pharmacy, SRIPMS,  
Coimbatore.

### DAY II

Session II 10.00 Am - 4.30 pm

Topic : **"Leading Dynamic Discussion"**

Speaker: DR. C.S. KANDASAMY,  
Professor,  
RVS College of Pharmaceutical Sciences  
Coimbatore

Session I 10.00 Am - 4.30 pm

Topic : **"Encaging Students in Learning"**

Speaker: Dr. THIRUMOORTHY,  
Professor,  
PPG College of Pharmaceutical Sciences  
Coimbatore

### DAY IV

Session I 10.00 Am - 4.30 pm

Topic : **"Service Learning"**

Speaker: Mr.J.KARTHIKEYAN Assistant Professor,  
Department of Pharmaceutics,  
Cherraan's College of Pharmacy, Coimbatore.

### DAY V

Session I 10.00 Am - 4.30 pm

Topic : **"Large Lecture Instruction"**

Speaker: Dr.K.MUTHUSAMY, Professor,  
Department of Pharmaceutics,  
College of Pharmacy, SRIPMS, Coimbatore.

### DAY VI

Session I 10.00 Am - 4.30 pm

Topic: **"Responding to disruptions in the class room"**

Speaker: Mrs.S.VIJAYALAKSHMI, Assistant Professor,  
Department of Pharmacy Practice,  
PSG College of Pharmacy, Coimbatore.

### DAY VII

Session I 10.00 Am - 4.30 pm

Topic : **" Promoting student engagement through active Learning"**

Speaker: Dr.INDULATHA, Professor,  
Department of Pharmacy Practice  
Sree Abirami College of Pharmacy, Coimbatore

## PROFESSIONAL DEVELOPMENT PROGRAMME ON "NEW TECHNOLOGIES IN TEACHING"

**10-04-2017 to 18-04-2017**

**A JOINT PROGRAMME OF  
CENTRE FOR HUMAN RESOURCE MANAGEMENT  
&  
FACULTY OF PHARMACY**



**KARPAGAM**  
ACADEMY OF HIGHER EDUCATION  
(Deemed to be University)  
(Established Under Section 3 of UGC Act, 1956)

**KARPAGAM ACADEMY OF HIGHER EDUCATION**  
(Deemed to be University Established Under Section 3 of UGC Act 1956)

Pollachi Main Road, Eachanari Post,  
Coimbatore – 641021, Tamil Nadu, India.  
Phone: +91-422-6471113, 6471114, 6471115.  
Fax: +91-422-2980022, 2980023.  
Email: info@kahedu.edu.in





**FACULTY OF PHARMACY**  
**KARPAGAM ACADEMY OF HIGHER EDUCATION**  
(Deemed to be University Established Under Section 3 of UGC Act 1956)  
Coimbatore –641021.

**REPORT**

**SHORT TERM COURSE**

**ON**

**“NEW TECHNOLOGIES IN TEACHING”**

*April 10 2017 to April 18 2017*

**A JOINT PROGRAMME OF  
CENTRE FOR HUMAN RESOURCE MANAGEMENT  
&  
FACULTY OF PHARMACY**

The short term course on the topic “NEW TECHNOLOGIES IN TEACHING” held at Faculty of Pharmacy, Karpagam Academy of Higher Education on From April 10, 2017 to April 18,2017

This short term course was organized with the aim for providing new technologies in teaching and education in India: Current issues and trends. The Inauguration of the short term course was divinely started with the prayer song and lighting the kuthuvilakku. The welcome address was given by Mr.M.KANNAN, Assistant Professor, FOP, KAHE he welcomed all the dignitaries to the Dias and Inaugural address was delivered by Dr.R SUNDARAGANAPATHY, Professor, FOP, KAHE.

The Dr.S SUDALAIMUTHU , Vice Chancellor, Karpagam University delivered the keynote address on current trends on Pharmacy profession, Job opportunities of Pharmacist, Recognition of Pharmacist He quoted that NEW TECHNOLOGIES IN TEACHING “will help them more in the future”. On first day the session was delivered by Dr.S. Kowsalya, Associate Professor, College of Pharmacy, Coimbatore has spoken about the topic “Teaching with technology”. On the second day sessions Dr.C.S.Kandasamy,

Professor, College of Pharmaceutical sciences, Coimbatore has spoken related to the topic "Leading dynamic discussion". On third day of session delivered by Dr.Thirumoorthy, Professor, PPG College of Pharmaceutical sciences, Coimbatore on the topic "Engaging students in learning" . On fourth day of session delivered by MR.Karthikeyan, Associate Professor, Department of Pharmaceutics, Cherrans College of Pharmacy, Coimbatore on the topic "Service learning" . On fifth day of session was delivered by Dr. Muthusamy, Professor, Department of Pharmaceutics, College of Pharmacy, SRIPMS Coimbatore has spoken on the topic "Large literature instructions".

On sixth day: Mrs. Vijayalakshmi, Assistant Professor, Department of Pharmacy practice, PSG College of Pharmacy, Coimbatore has spoken about "Responding to disruption in classroom". On seventh day Dr.Indulatha, Professor, Department of Pharmacy practice, Sri Abirami College of Pharmacy, Coimbatore has spoken on "Promoting student enagement through active learning". The all sessions were more knowledgeable and finally the day ended with vote of thanks.



*Inaugural session*



*Vote of Thanks given by the Dean, Faculty of  
Pharmacy*

**FACULTY OF PHARMACY**  
**KARPAGAM ACADEMY OF HIGHER EDUCATION**  
(Deemed to be University Established Under Section 3 of UGC Act 1956)  
Coimbatore –641021.

**PROFESSIONAL DEVELOPMENT PROGRAMME**

**ON**

**“NEW TECHNOLOGIES IN TEACHING”**

**From 04/05/2016 to 12/05/2016**

**A JOINT PROGRAMME OF  
CENTRE FOR HUMAN RESOURCE MANAGEMENT  
&  
FACULTY OF PHARMACY**

**LIST OF PARTICIPANTS**

S.NO	NAME OF THE PARTICIPANTS	DESIGNATION
1	Dr R Sundaraganapathy	Dean
2	Mr K Abdul Khayum	Assistant Professor
3	Ms G Praveena	Assistant Professor
4	Ms K N Arathi	Assistant Professor
5	Ms K Gayathri	Assistant Professor
6	Mr M Kannan	Assistant Professor
7	Mr A Lalith Mukesh	Assistant Professor
8	Mr V Shivakumar	Assistant Professor
9	Ms N M Gayathri	Assistant Professor



## ORGANIZING COMMITTEE

### CHIEF PATRON

Prof. Dr. S. Sudalaimuthu  
Vice Chancellor

### PATRON

Dr.R.Sundararajan  
Registrar

M.Palaniswamy  
Dean, FASH

### CONVENOR

Dr. S. Veni  
Professor and Head

### ORGANIZING SECRETARY

Dr. S. Sheeja  
Associate Professor and Head (i/c)

### COMMITTEE MEMBERS

Dr. R.Gunasundari, Assistant Professor & Head (i/c)

Dr. T. Genish,

Dr. E. J. Thomson Fredrik, Assistant Professor

Dr. D.Shanmuga Priyaa, Assistant Professor

K. Prathapchandran, Assistant Professor

K. Yuvaraj, Assistant Professor

P.Tamil Selvan, Assistant Professor

D. Manjula, Assistant Professor

## Resource Persons

### Dr.P.Subthra

Professor and Head  
Department of Information Technology  
Kamaraj College of Engineering and  
Technology, Viruthunagar

### Dr. P.B. Pankajavalli

Assistant Professor  
Department of Computer Science  
Bharathiar University, Coimbatore

### Dr.S.Sivagurunathan

Assistant Professor  
Department of Computer Science and Applications  
Gandhigram Rural Institute – Deemed To be University  
Gandhigram

## Programme schedule

Date : 10.04.2017 to 11.04.2017  
Topic : Principles of Cyber Security

### Keynote Address

Dr.P.Subthra  
Professor and Head

Date : 12.04.2017 to 13.04.2017  
Topic : Security Plans and Policies

### Keynote Address

Dr. P.B. Pankajavalli  
Assistant Professor

Date : 14.04.2017 to 17.04.2017  
Topic : Security Metrics and Key Performance

### Keynote Address

Dr.S.Sivagurunathan  
Assistant Professor

## Professional Development Program on Cyber Security

10.04.2017 to 17.04.2017



A Joint Programme of  
CENTRE OF HUMAN RESOURCE DEVELOPMENT  
&  
DEPARTMENT OF CS, CA & IT

### KARPAGAM ACADEMY OF HIGHER EDUCATION

(Deemed to be University)  
(Established Under Section 3 of UGC Act 1956)  
Pollachi Main Road, Eachanari Post,  
Coimbatore-641 021 Tamil Nadu, India.

Phone: 0422-2980011-14  
Fax: 0422-2980022, 2980023  
Email: info@kahedu.edu.in  
Web: www.kahedu.cdu.in

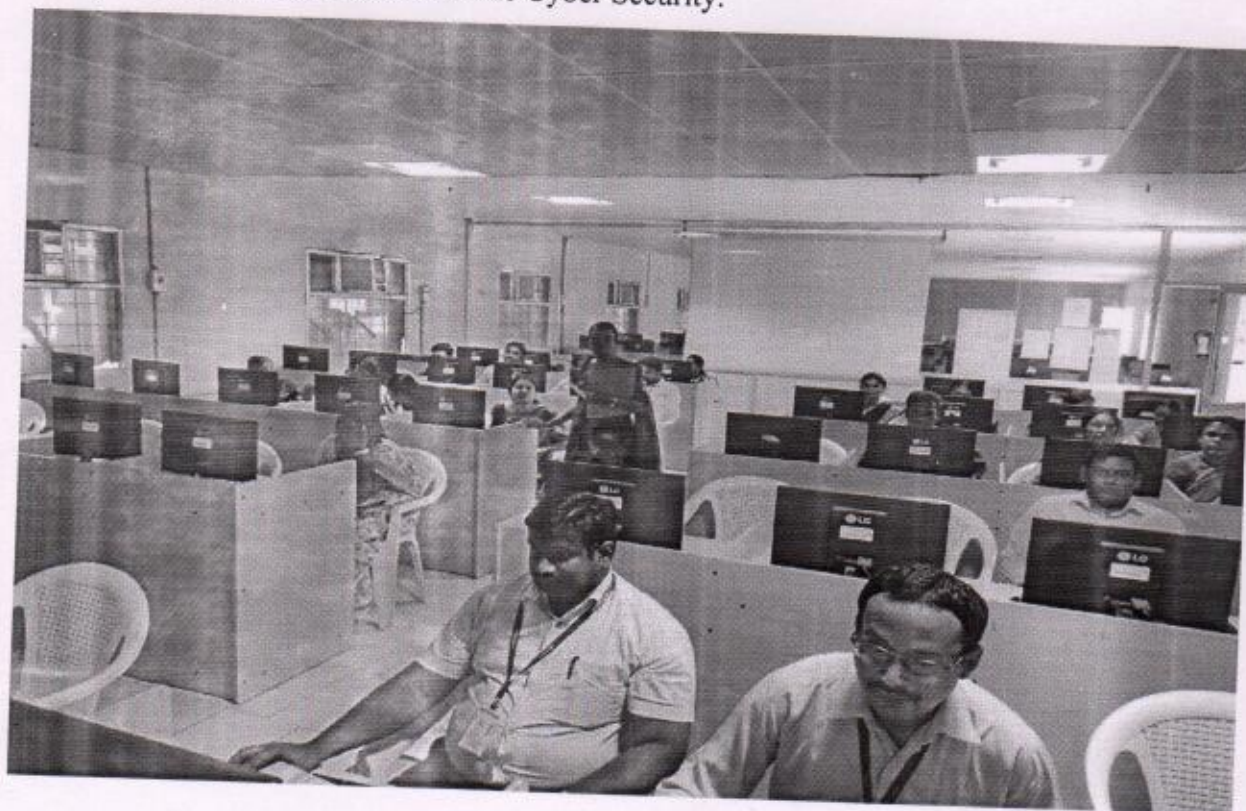


## Report

### Professional Development Programme on Cyber Security

Department of Computer Science, Applications & Information Technology organized PDP titled as "Cyber Security" from 10.04.2017 to 17.04.2017. The faculty members of FASH, FOE department have participated in this program. The resources person, Dr.P.Subathra, Professor and Head, Department of Information Technology, Kamaraj College of Engineering and Technology, gave lecture on Importance of Cyber Security in Our Daily Life Data Security & Hide Techniques Spyware, Keylogger. The other resource person Dr.P.B.Pankajavalli, Assistant Professor, Department of Computer Science, Bharathiar University gave lecture on Email Security & Social Networking Website Security- Phishing Attacks and Virus Security Internet Surfing & Download Security. The resource person, Dr. S. Sivagurunathan gave lecture on Browser Privacy & Security with live projects.

The program was very useful for the faculty members as well as the researchers those who are doing research in various domain like Cyber Security.



8  
(HOD) 17/4/17

**Professional Development Program on Cyber Security**

10th April, 2017 to 17th April, 2017.

**List of Participants**

S.No	Name of the Faculty
1.	Dr.S.Karthikeyan
2.	Dr. S.Veni
3.	Dr. S.Manjupriya
4.	D. Sampath Kumar
5.	A.Jeevarathinam
6.	K.Banuroopa
7.	M.Mohan Kumar
8.	K.Kathirvel
9.	P.Tamil Selvan
10.	J. Hema Gowri
11.	S. Joyce
12.	S.A. Sathya Prabha
13.	D. Manjula
14.	B. Pushpalatha
15.	L.S. Sindhuja
16.	K. Yuvaraj
17.	C. Willson Joseph
18.	M. Roopa
19.	Dr. X. Agnise Kala Rani
20.	Dr. S. Sheeja
21.	Dr. E. J. Thomson Fredrik
22.	R.Naveen Kumar
23.	G.Anitha
24.	T. Rubya
25.	K. Kalaiselvi
26.	P. Amala
27.	P.Nagarajan
28.	Dr. A.Edwin Robert
29.	K. Veerasamy
30.	S. Punitha
31.	U. Prathibha
32.	J. Ramyabharathi
33.	S. Jeevitha
34.	P. Mythili
35.	R. Jeevitha
36.	K. Thilakavalli
37.	V. Sathya
38.	Dr. R.Gunasundari
39.	Dr. D.Shanmuga Priyaa
40.	Dr. M. Anand Kumar
41.	G.Manivasagam
42.	S. Kowsalya
43.	B.Bharathi
44.	K. Kiruthika
45.	D. Banupriya
46.	N. Abirami
47.	R. Parimala



## ORGANIZING COMMITTEE

### Chief Patron

**Dr.S.SUDALAI MUTHU**  
Vice Chancellor,  
Karpagam Academy of Higher Education

### Patron

**Dr. R.SUNDARARAJAN,**  
Registrar,  
Karpagam Academy of Higher Education  
**Dr.M.PALANISWAMY**  
Dean- FASH  
Karpagam Academy of Higher Education

### Convenor

**Dr.V.SENTHIL KUMAR,**  
Head of the Department,  
Dept of Physics, FASH,  
Karpagam Academy of Higher Education

### Organizing Secretary

Dr.B.Janarthanan , Associate Professor,  
Department of Physics,  
Karpagam Academy of Higher Education

### Organizing Team Members

Dr. N. Sudharsana, , Assistant Professor  
Mr.E.Sivasenthil, Assistant Professor  
Mrs.S.Sharmila, Assistant Professor  
Miss.A.Sahana Fathima, Assistant Professor  
Mrs.Ambili Vipin, Assistant Professor  
Mrs.N.Geetha, Assistant Professor

## PROGRAMME SCHEDULE

Inauguration 10.00 AM - 11.00 AM

### DAY : 1

Session:11.30 AM - 04.30 PM

Topic: **"Types Of Renewable Energies"**

Speaker : Dr.Sa.K.Narayan Dass,  
Former Professor & Head, Dept Of Physics,  
Bharathiar University, Coimbatore.

### DAY : 2

Session:10.00 AM - 4.30 PM

Topic: **"Solar Cells"**

Speaker: Dr.V.Ponusamy, Associate Professor &  
Head, Dept Of Physics, Sri Ramakrishna Mission  
Vidyalaya Arts And Science College, Coimbatore

### DAY : 3

Session:10.00 AM - 4.30 PM

Topic: **"Cell Technologies"**

Speaker: Dr.V.P. Mahadevan Pillai,  
Professor & Head, Dept of Optoelectronics,  
University of Kerala,Thiruvananthapuram.

### DAY : 4

Session:10.00 AM - 4.30 PM

Topic: **"Solyndra's Modules"**

Speaker: Dr.S.Arumugam, Reader In Physics,  
Gandhigram Rural University, Gandhigram,  
Dhindigul.

### DAY : 5

Session:10.00 AM - 4.30 PM

Topic: **"Ability to Avoid Heating"**

Speaker: Dr.D.Nataraj, Associate Professor,  
Dept Of Physics, Bharathair Uiversity, Coimbatore

### DAY : 6

Session:10.00 AM - 4.30 PM

Topic: **"Nanosolar's"**

Speaker: Dr.K.Srinivasan, Professor & Head, Dept  
Of Physics, Bharathair Uiversity, Coimbatore.

### DAY : 7

Session:10.00 AM - 4.30 PM

Topic: **"Organic Solar Cells & Opportunities"**

Speaker:Dr.R.Bharathikannan, Associate  
Professor & Head, Dept Of Physics, Sri  
Ramakrishna Mission Vidyalaya College Of Arts  
And Science, Coimbatore.



**KARPAGAM ACADEMY OF  
HIGHER EDUCATION**  
A Joint Programme of  
Center of Human Resource Development  
and  
Department of Physics  
**Professional Development  
Program  
on  
"Renewable and Solar Cells  
Fundamentals"**

**10th April 2017 to 17th April 2017**



**Organized by  
Department of Physics**

**Venue : MBA Hall**

**REPORT**

The faculty development program was conducted in Department of Physics from 18<sup>th</sup> May 2015 to 25<sup>th</sup> June 2015. The Program started on 18<sup>th</sup> May 2015 at 10.00 am in MBA hall.

Dr. Swaminathan, Professor, Kumaraguru College of Technology Coimbatore had give special lecture on "Advanced Instrumental Applications" The Welcome address was given by Dr. Vishwanathan, HOD Dept of Physics.

Day 1 : Special PTT was presented on instruments.

Day 2: Talk was given on old instruments with activity was given.

Day 3: Mind activity was given to the Faculty Members.

Day 4: Individual were involved to talk on different topic.

Day 5: Case Study was discussed and proper solution was discussed.

Day 6: advance instruments application was discussed.

Day 7 & 8: Mind activity was given to the Faculty Members

Day 9: Special talk was given on over come methods.

Day 10: program concluded with Valediction function.



Dr. Swaminathan, Professor, Kumaraguru College of Technology Coimbatore is lighting the Lamp





Karpagam Academy of Higher Education,  
Coimbatore – 641021.

Faculty of Arts, Science and Humanities

Department of Physics

Short Term Training program on " Electronics Instruments servicing "  
(05.12.2016 to 12.12.2016)

**LIST OF PARTICIPANTS'**

<b>Sr.No</b>	<b>Name Of the Faculty</b>	<b>Designation</b>
1	Dr.V.Senthil Kumar	Associate Professor & Head
2	Dr.B.Janarthanan	Assistant Professor
3	Dr. M. Kanagaraj	Assistant Professor
4	Dr. N. Sudharsana	Assistant Professor
5	S. Sharmila	Assistant Professor
6	A. Sahana Fathima	Assistant Professor
7	Ambili Vipin	Assistant Professor
8	S. Kanakadurga	Assistant Professor
9	N. Geetha	Assistant Professor
10	E. Sivasenthil	Assistant Professor

## Value Added Courses

- ✦ Certificate on Licentiate on Insurance
- ✦ Insurance for Business Process Services
- ✦ Digital Marketing
- ✦ Innovation Entrepreneurship
- ✦ Foundation for Functional Skills
- ✦ Finance and Accounting for Business Process Services
- ✦ Banking for Business Process Services
- ✦ Campus to Corporate
- ✦ Digital Banking
- ✦ Photoshop
- ✦ Multimedia
- ✦ Software Testing

## Unique Features

- Highly Qualified Faculty Team
- Industry Based Curriculum
- Choice Based Credit System
- Internship
- State-of-the-Art Lab facility

## Training Programmes / Coaching Classes

- ✦ Hands-on-training programme on "Tally GST"
- ✦ Hands-on-training programme on "Excel Functions"
- ✦ Hands-on-training on Filing on "GST and Income Tax Returns"
- ✦ Coaching classes for CA, CMA and ACS Courses
- ✦ Coaching classes for Banking and Insurance, TNPSC, UPSC etc., Entrance Examinations
- ✦ Placement Training programmes at free of cost
- ✦ Career Counselling & Activity based learning for making students employable

## Higher Studies

After successful completion of the course, graduates interested in pursuing higher studies in the discipline may opt for

- ✓ Chartered Accountant (CA)
- ✓ Certified Management Accountant (CMA)
- ✓ Company Secretaryship (ACS)
- ✓ M.Com. / MBA / MCA / MSW
- ✓ Association of Chartered Certified Accountants (ACCA)
- ✓ Chartered Financial Analyst (CFA)

## Contact Us

- 📍 Pollachi Main Road,  
Eachanari Post,  
Coimbatore - 641 021,
- ☎ +91-422 – 2980011 – 14
- ✉ info@kahedu.edu.in

## MoUs

- 🤝 MoU with Insurance Institute of India, Mumbai
- 🤝 MoU with Tata Consultancy Services



Enable | Enlighten | Enrich  
**KARPAGAM**  
ACADEMY OF HIGHER EDUCATION  
(Deemed to be University)  
(Established Under Section 3 of UGC Act, 1956)

**A Joint Programme of  
CENTRE OF HUMAN RESOURCE DEVELOPMENT  
&  
DEPARTMENT OF COMMERCE**

## UNDER GRADUATE COURSES

- ✓ B.Com.
- ✓ B.Com. (CA)
- ✓ B.Com. (PA)
- ✓ B.Com. (BPS)

## POST GRADUATE COURSE

- ✓ M.Com.

## RESEARCH PROGRAMME

- ✓ Ph.D.

## Top Recruiting Companies

- ✦ CTS
- ✦ TCS
- ✦ ZOHO
- ✦ Wipro
- ✦ Infosys
- ✦ SBI Life
- ✦ AMAZON
- ✦ Ford

## ORGANIZING COMMITTEE

### Chief Patron

Dr.R.Vasanthakumar, President,  
Karpagam Academy of Higher Education

### Patrons

Shri.K. Murugaiah, Chief Executive  
Officer, Karpagam Educational  
Institutions

V. Krishnakumar, Chancellor, Karpagam  
Academy of Higher Education

Dr.S.Sudalaimuthu, Vice-chancellor,  
Karpagam Academy of Higher Education

Dr.R.Sundararajan, Registrar, Karpagam  
Academy of Higher Education

Dr. P. Palanivelu, Controller of  
Examinations, Karpagam Academy of  
Higher Education

Dr. M.Palaniswamy, Dean, Faculty of  
Arts, Science and Humanities, Karpagam  
Academy of Higher Education

### Convener

**Dr.K.Jothi**, Professor, Department of  
Commerce

### Organizing Secretaries

**Dr.R.Velmurugan**, Associate  
Professor in Commerce

Dr.V.Mathankumar, Assistant  
Professor in Commerce

Dr.J.Sudarvel, Assistant Professor in  
Management

### Executive Committee Members

Dr. SM. Chockalingam

Dr. B Geethabai

Dr. R. Murugan

Dr. A. Dharmaraj

Dr. P. Radha

Dr.A.Geethalakshmi

Dr.S.Jegadeeswari

Dr. K. Marammal Devi

Dr. T. Saravanan

Dr. B. Senthil Kumar

## About the Programme:

**E-marketing** is a process of planning and executing the conception, distribution, promotion, and pricing of products and services in a computerized, networked environment, such as the Internet and the World Wide Web, to facilitate exchanges and satisfy customer demands.

**DATE: 10.04.2017 to 16.04.2017**



Pollachi Main Road,  
Eachanari Post,  
Coimbatore - 641 021



+91-422 – 2980011 – 14



info@kahedu.edu.in



Enable | Enliven | Enrich  
**KARPAGAM**  
ACADEMY OF HIGHER EDUCATION

(Deemed to be University)  
(Established Under Section 3 of UGC Act, 1956)

A Joint Programme of  
**CENTRE OF HUMAN RESOURCE DEVELOPMENT**  
&  
**DEPARTMENT OF COMMERCE**

**SHORT TERM COURSE**

e-marketing



**A Joint Programme of**  
**CENTRE OF HUMAN RESOURCE DEVELOPMENT**  
**&**  
**DEPARTMENT OF COMMERCE**

**SHORT TERM COURSE ON E-MARKETING**

The Department of Commerce organized a Short Term Course on e-marketing during 10.04.2017 to 16.4.2017. The faculty members of FASH, FOE participated in this programme. The resource person gave insight towards e-marketing and researchers found it very useful and informative.

E-marketing is a process of planning and executing the conception, distribution, promotion, and pricing of products and services in a computerized, networked environment, such as the Internet and the World Wide Web, to facilitate exchanges and satisfy customer demands. It has two distinct advantages over traditional marketing. E-marketing provides customers with more convenience and more competitive prices, and it enables businesses to reduce operational costs.

As businesses offer e-marketing and online shopping, customers can get market information from their computers or cell phones and buy goods or find services without leaving home twenty-four hours a day and seven days a week (24/7). They can read ads on the Web or from e-mail, get e-coupons, view pictures of goods, compare prices, and make purchases with a few clicks of their mouse, saving the time and money it would take to shop in person at a brick-and-mortar store. At the same time, businesses can reduce costs in distribution channels and physical store space and thus pass the savings on to customers.

To make e-marketing effective and efficient, managers of e-businesses need to know online customer behaviour, e-marketing techniques, costs and benefits of eMarketing over traditional marketing, and pitfalls and legal issues of e-marketing.

**Advantages of E-marketing**

Certain advantages of emarketing are discussed as below:

1. Much better return on investment from than that of traditional marketing as it helps increasing sales revenue.

2. E-marketing means reduced marketing campaign cost as the marketing is done through the internet
3. Fast result of the campaign as it helps to target the right customers.
4. Easy monitoring through the web tracking capabilities help make emarketing highly efficient
5. Using e-marketing, viral content can be made, which helps in viral marketing.



During the session, the guest was giving a live demo on how to market online for the participants.



## **Types of e-marketing**

There are several ways in which companies can use internet for marketing. Some ways of e-marketing are:

1. Article marketing
2. Affiliate marketing
3. Video marketing
4. Email marketing
5. Blogging
6. Content marketing

All these and other methods help a company or brand in e-marketing and reaching customer through the internet.

## **E-MARKETING TECHNIQUES**

E-marketing techniques can be broken down to pull and push marketing. Pull marketing is a passive technique by which online shoppers take the initiative requesting specific information on the Web. Search engines, product/service advertising, e-coupons, and e-samples are part of pull marketing. For example, e-marketers can register their e-commerce sites, products, and services with search engines such as Google and or Yahoo, thereby enabling online shoppers to search for product/service information using Google or Yahoo and link to their sites. Similarly, e-marketers can also register their e-coupons and e-samples with e-coupon sites such as [ecoupons.com](http://ecoupons.com) and e-sample sites such as [yes-its-free.com](http://yes-its-free.com).

## **COSTS AND BENEFITS OF E-MARKETING**

E-marketing can offer more competitive prices than traditional marketing because e-marketing reduces costs by not having to maintain physical store space and by strategically placing distribution centres throughout the country. Second, because the Internet is available 24/7, e-marketing enables shoppers to search for product/service information and buy goods at their convenience, not just when the store is open. Third, research indicates that the cost of Internet-based promotion is one-fourth of traditional promotion, because it does not incur the costs of paper, printing, handling, and mailing. Fourth, e-marketing enables buyers to custom-build products such as shoes, clothes, computers, and automobiles on the Web, options often not available in stores.

# **KARPAGAM ACADEMY OF HIGHER EDUCATION**

**Eachanari Post, Coimbatore – 641 021.**

## **FACULTY OF ARTS, SCIENCE AND HUMANITIES**

### **A JOINT PROGRAMME OF CENTRE FOR HUMAN RESOURCE DEVELOPMENT AND DEPARTMENT OF COMMERCE**

#### **SHORT TERM COURSE ON E MARKETING 10.4.2017 TO 16.4.2017 LIST OF PARTICIPANTS**

S.No	Name	Designation
1	Dr.K.Kumuthadevi	Professor
2	N.Kodhai Nayaki	Assistant Professor
3	P. Soundaravalli	Assistant Professor
4	N. Sumathi	Assistant Professor
5	W.Saranya	Assistant Professor
6	Dr. S. Hemalatha	Assistant Professor
7	K. Gomathi	Assistant Professor
8	K. Kavitha	Assistant Professor
9	Deepu Nair	Assistant Professor
10	Dr. K. Jothi	Associate Professor
11	P. Kalaivani	Assistant Professor
12	A. Geethalakshmi	Assistant Professor
13	S. Sambath Kumar	Assistant Professor
14	D. Lavanya	Assistant Professor
15	V. Mathan Kumar	Assistant Professor
16	N. Ramyaprabha	Assistant Professor
17	R. Judith Priya	Assistant Professor
18	P. Sopna	Assistant Professor
19	S. Karthik	Assistant Professor
20	K. Pavithra	Assistant Professor
21	K. Deepthi Nivasini	Assistant Professor

22	T.Thirunavukkarasu	Assistant Professor
23	Dr. C. Sankar	Assistant Professor
24	Y.R. Lakshmi	Assistant Professor
25	S. Saranya Devi	Assistant Professor

**ONE DAY WORKSHOP ON HANDS ON  
TRAINING IN  
APPLICATION AND OPERATION IN UV-  
SPECTROPHOTOMETER**

**24 February, 2017**



**Organized by**

**Department of Biotechnology, FASH  
(DST-FIST Supported Department)**

**KARPAGAM ACADEMY OF HIGHER  
EDUCATION**

**(Deemed to be University)**

**Established Under Section 3 of UGC Act 1956)**

**Pollachi Main Road, Eachanari Post,  
Coimbatore - 641021.**

**Phone: 0422-2980011-15;**

**Web: <http://www.kahedu.edu.in>**

**Karpagam Charity Trust** was founded in the year 1989 with the aim of providing excellent educational facilities by imparting practical knowledge and skills to the youth and also catering the needs of the society in general through charitable deeds. The Karpagam Arts and Science College (Autonomous) evolved into Karpagam Academy of Higher Education in the year 2008 for the purpose of conferment of Deemed to be University status by **Ministry of**

**Human Resource Development, Vide No. F.9.24/2004. U. 3 (A) dated 25.08.08.**

The University Education, in today's scenario, is witnessing a huge paradigm shift and at Karpagam, we are geared to be a part of that transformation. Our evolution into a University of world standards has been possible only by a consistent endeavor to achieve excellence in education and we work towards ensuring that our students too strive relentlessly to excel in their efforts. Be it Arts or Science, Commerce or Management, Humanities or Engineering we ensure that our education epitomizes excellence in every sphere.

Steered by the dynamic spirit of our President, Dr. R. Vasanthakumar, eminent industrialist and philanthropist and the extensive experiences of Shri. K. Murugaiah, CEO, Dr. S. Sudalaimuthu, Vice- Chancellor and Dr. R. Soundararajan, Registrar of our University will continue to initiate the emergence of excellence.

### **THE WORKSHOP**

The one-day workshop on hands on training in UV- Spectrophotometer focuses on the recent trends and advance techniques in detecting and quantifying target samples, even at very low expression levels. It is convenient and easy to use for virtually any photometric research application, especially DNA, RNA, and protein analysis, as well as turbidity measurements. It is ideal for multi-user

environments where a variety of endpoint, kinetic, and spectral assays are performed.

### **ORGANIZING COMMITTEE**

#### **Chief Patron**

**Dr. R. Vasanthakumar**

President, Karpagam Academy of Higher Education, Coimbatore

#### **Patron**

**Shri. K. Murugaiah**, Chief Executive Officer

**Dr. S. Sudalaimuthu**, Vice- Chancellor

**Dr. R. Soundararajan**, Registrar

**Dr. M. Palaniswamy**, Dean (FASH)

#### **Convener**

**Dr. G. R. Prabu**

Associate Professor and Head (i/c)

Department of Biotechnology

Karpagam Academy of Higher Education,  
Coimbatore, Tamil nadu.

#### **Organising Secretaries**

**Dr. A. Sangilimuthu & Dr. P. Rajiv**

Assistant Professor, Dept of Biotechnology

#### **Resource Person**

**Mr. Sathish Reddy. G**

Customer Engineer,

Shimadzu India Pvt. Ltd

**DEPARTMENT OF BIOTECHNOLOGY (FASH)**

24/02/2017

**REPORT ON**

**ONE DAY WORKSHOP ON HANDS-ON TRAINING ON APPLICATION AND OPERATION IN UV- SPECTROPHOTOMETER**

The Department of Biotechnology (FASH) organized and conducted a one-day workshop on hands-on training on application and operation in UV- Spectrophotometer for non- teaching staffs from Life science departments on **24/02/2017** at Department of Biotechnology, Karpagam Academy of Higher Education. Dr. G. R. Prabu, Head, Biotechnology, welcomed the gathering and highlighted the objectives of the training program. Resource person **Mr. Sathish Reddy. G**, Customer Engineer, Shimadzu India Pvt. Ltd elaborated about the operational procedure for UV- Spectrophotometer. All the non-teaching staffs from the department of biotechnology actively participated and learned the operational procedure for UV- Spectrophotometer equipment. Ms. R. Sangeetha delivered the vote of thanks for the program.



Non – Teaching staffs getting training on the working process of UV- Spectrophotometer



24/02/2017

**DEPARTMENT OF BIOTECHNOLOGY (FASH)**

**REPORT ON**

**ONE DAY WORKSHOP ON HANDS ON TRAINING IN APPLICATION AND  
OPERATION IN UV- SPECTROPHOTOMETER**

**Date: 24/02/2017**

**Venue: Biotechnology Department**

**List of Non – Teaching staffs participated**

<b>S.No.</b>	<b>Name of the Non- Teaching staffs</b>
1.	Mrs. J. Ranganayagi
2.	Mrs. P. Gohmathi
3.	R. Sangeetha
4.	P. Rajesh
5.	R. Murugesan
6.	Mrs. P. Maheshwari
7.	Mrs. V. Prema
8.	Mrs. Santhamani
9.	Mrs. Jayasudha
10.	Mrs. Janaki

## ORGANIZING COMMITTEE

### Chief Patron

**Dr. S.SUDALAIMUTHU**

Vice Chancellor, Karpagam Academy of Higher Education

### Patrons

**Dr. G SEKAR,**

Registrar, Karpagam Academy of Higher Education

**Dr. R. SUNDARARAJAN** Dean,  
Faculty of Engineering Karpagam Academy of Higher Education

### Convenor

Dr.M.Mohanapriya, Head of the Department, FOE,KAHE

### Organizing Secretary

Mr. B.ArunKumar, Assistant Professor,FOE,KAHE

### Organizing Team Members



Mr. M. Vigneshwar, Assistant Professor, FOE,KAHE.



Mr.S.RineshAssistant Professor, FOE, KAHE



Ms.B. Vidhyabanu, Assistant Professor, FOE, KAHE

## PROGRAMME SCHEDULE

Inauguration 9.30 am - 10.30 am

### DAY I

Topic : "Introduction to Wireless Sensor Networks"

Speaker:Mr.D.Navin Sam,  
Bethlahem Institute of Engineering,  
Kanyakumari

### DAY II

Topic : "Security Issue Solution Ideas"

Speaker: Mr.K.Aravindhan,  
SNS College of Engineering,  
Coimbatore

### DAY III

Topic : "Wireless Sensor working and their data"

Speaker: Dr.V.Chandrasekar,  
MIET,Trichy

### DAY IV

Topic : "Challenges of WSN "

Speaker: Dr.P.S.Prakash,Sulur,  
Coimbatore

### DAY V

Topic : "Theories of Sensor types"

Speaker: Dr.S.Suresh Kumar,  
SREC,Coimbatore

### DAY VI

Topic : "Security Breaches in WSN"

Speaker: Dr.K.Lokesh,  
HIT,Coimbatore

### DAY VII

Topic : "WSN applications"

Speaker: Dr.A.Sabari,  
KSR,Tiruchengode



## KARPAGAM ACADEMY OF HIGHER EDUCATION

**A Joint Programme of  
Centre for Human Resource Development  
and  
Department of Computer Science and  
Engineering**

**Professional Development Programme  
on  
Wireless Sensor Networks and Security  
Issues**

**21<sup>st</sup> Dec to 28<sup>th</sup> Dec 2016**

**Organized by  
Department of Computer Science and  
Engineering**

**Venue :UM 606**

**A JOINT PROGRAMME OF  
CENTRE FOR HUMAN RESOURCE DEVELOPMENT  
AND  
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**

**PDP REPORT ON**

**Wireless Sensor Networks and Security issues**

**Area:** Wireless Sensor Networks and Security issues

**Date:** 21.12.2016-28.12.2016

**Venue:** UM 606

**FDP SUMMARY:**

**Introduction to WSN**

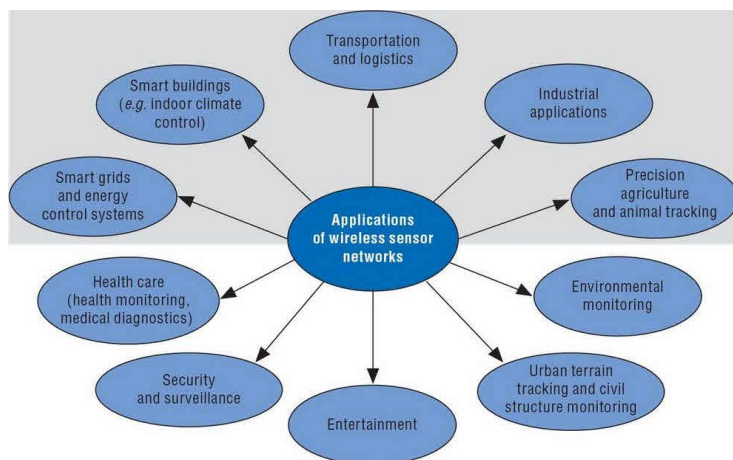
A Wireless sensor network can be defined as a network of devices that can communicate the information gathered from a monitored field through wireless links. The data is forwarded through multiple nodes, and with a gateway, the data is connected to other networks like wireless Ethernet.

**Types of WSNs (Wireless Sensor Networks)**

Depending on the environment, the types of networks are decided so that those can be deployed underwater, underground, on land, and so on. Different types of WSNs include:

1. Terrestrial WSNs
2. Underground WSNs
3. Underwater WSNs
4. Multimedia WSNs
5. Mobile WSNs

**Applications of Wireless Sensor Network**



## **Need for the Topic**

Wireless sensor networks have tremendous potential because they will expand our ability to monitor and interact remotely with the physical world. Sensors have the ability to collect vast amounts of unknown data. Sensors can be accessed remotely and placed where it is impractical to deploy data and power lines. To exploit the full potential of sensor networks, we must first address the peculiar limitations of these networks and the resulting technical issues. Although data fusion requires that nodes be synchronized, the synchronization protocols for sensor networks must address the following features of these networks. WSNs to become truly ubiquitous, a number of challenges and obstacles must be overcome.



**Mr.D.Navin Sam deliver his lecture on Wireless Sensor Network on 21.12.2016**

**A JOINT PROGRAMME OF  
CENTRE FOR HUMAN RESOURCE DEVELOPMENT  
AND  
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING  
  
PROFESSIONAL DEVELOPMENT PROGRAM  
ON  
WIRELESS SENSOR NETWORKS AND SECURITY ISSUES**

**List of Participants**

**Date: 21.12.2016-28.12.2016**

<b>S.NO.</b>	<b>NAME OF THE STAFF</b>	<b>DESIGNATION</b>
<b>1.</b>	Dr. M. Mohanapriya	Head of the Department
<b>2.</b>	M. Vigneshwar	Assistant Professor
<b>3.</b>	S.Shahul Hammed	Assistant Professor
<b>4.</b>	T.Mohan Raj	Assistant Professor
<b>5.</b>	R.Santhosh	Assistant Professor
<b>6.</b>	B.Arunkumar	Assistant Professor
<b>7.</b>	K. Malathi	Assistant Professor
<b>8.</b>	G. Gomathi	Assistant Professor
<b>9.</b>	B. Vidhyabanu	Assistant Professor
<b>10.</b>	S. Rinesh	Assistant Professor
<b>11.</b>	K. Sundareswari	Assistant Professor
<b>12.</b>	A. Vijay	Assistant Professor
<b>13.</b>	R. Ranjani	Assistant Professor



## ORGANIZING COMMITTEE

### CHIEF PATRON

**Dr. S. SUDALAIMUTHU**  
Vice Chancellor,  
Karpagam Academy of Higher Education

### PATRONS

**Dr. R.Sundararajan,**  
Registrar  
Karpagam Academy of Higher Education

**Dr.G.K.D.PrasannaVenkatesan,**  
Dean, Faculty of Engineering,  
Karpagam Academy of Higher Education

### CONVENOR

**Dr.P.SHANMUGHASUNDRAM**  
HOD, AUTOMOBILE ENGINEERING  
Karpagam Academy of Higher Education

### ORGANIZING SECRETARY

**Dr.K.K.PADMANABHAN**  
Professor,  
Department of Automobile Engineering  
Karpagam Academy of Higher Education

### CO-ORDINATOR

**Mr.R.MADHAVAN**  
AP, Dept of Automobile Engineering,  
Karpagam Academy of Higher Education,  
For Enquiries contact:  
Cell: 9677176142, 8903500032

## PROGRAMME SCHEDULE

Inauguration 9.30am-1.30am

### DAY I

**Session:** 11.00 am - 04.30 pm  
Topic : Classification of Composite Materials  
Speaker: **Mr. S.Sivakumar**  
ASP, Department of Automobile Engineering,  
Kumaraguru College of Technology, Coimbatore

### DAY II

**Session:** 10.00 Am - 4.30 Pm  
Topic: Advantages of Composite Materials  
Speaker: Mr.S.R.Duraiaraju,  
Assistant Professor (Sr .Grade),  
Department of Mechanical Engineering  
Sri Ramakrishna Engineering College,  
Coimbatore-641 022.

### DAY III

**Session:** 10.00 Am - 4.30 Pm  
Topic : Applications of Composites  
Speaker: **Dr. S. Mohankumar**  
ASP, Department of Automobile Engineering,  
Kumaraguru College of Technology, Coimbatore

### DAY IV

**Session:** 10.00 Am - 4.30 Pm  
Topic: Types of Reinforcements in Composites  
Speaker: **Dr. V M. Murugesan**  
ASP, Dept. Of Automobile Engineering,  
PSG College of Technology,  
Coimbatore

### DAY V

**Session:** 10.00 Am - 4.30 Pm  
Topic : Manufacturing of Advanced Composites  
Speaker: **Dr.K..Karthikeyan,**  
Professor  
Department of Mechanical Engineering,  
Sri Ramakrishna Engineering College,  
Coimbatore

### DAY VI

**Session:** 10.00 Am - 4.30 Pm  
Topic : Polymers and Resins  
Speaker: **Mr. Anbu. G.**  
Assistant Professor, Department of Automobile Engineering,  
Karpagam college of Engineering, Coimbatore

### DAY VII

**Session:** 10.00 Am - 4.30 Pm  
Topic : Thermosets and Thermoplastics  
Speaker: **Dr.N.Mathan kumar**  
S/O A.Nagarajan,  
89.Municipal Colony, Dindigul- 624 001



## KARPAGAM ACADEMY OF HIGHER EDUCATION

### A Joint Programme of Centre for Human Resource Development and Department of Automobile engineering

### Seven days professional development programme on

### “Application of composite Materials”

19<sup>th</sup> DEC 2016 to 26<sup>th</sup> DEC 2016

### Organized by Department of Automobile Engineering

Venue : Bharathi Hall

**A JOINT PROGRAMME OF**  
**CENTRE FOR HUMAN RESOURCE DEVELOPMENT**  
**AND**  
**DEPARTMENT OF AUTOMOBILE ENGINEERING**

**Seven Days Professional Development Programme on**  
**“Application of Composite Materials”**  
**From**  
**19.12.2016 to 26.12.2016**

This one-week Professional Development Programme (PDP) was organized successfully with participation of faculty members. The PDP addresses the various aspects of Application of Composite Materials and promotes student centric effective teaching-learning pedagogy among the participants. This course was aimed for teachers who are teaching various disciplines of science and engineering subjects in our Karpagam academy of Higher education. There were six number of faculties registered for this programme and successfully completed the programme., **Mr. S.Sivakumar** ASP, Department of Automobile Engineering, Kumaraguru College of Technology, Coimbatore, inaugurated the programme.

In his inaugural address, **Mr. S.Sivakumar** stressed upon the paradigm changes from black board based teaching to modern ICT (Information and communications technology) base teaching and the importance of using online tools for teaching and evaluation in present days.

It creates the curiosity on pedagogical approach in teaching among the participants.



**Seven Days Professional Development Programme on  
“Application of Composite Materials”  
From  
19.12.2016 to 26.12.2016**

**A JOINT PROGRAMME OF**  
**CENTRE FOR HUMAN RESOURCE DEVELOPMENT**  
**AND**  
**DEPARTMENT OF AUTOMOBILE ENGINEERING**

**List of Participant**

**Seven Days Professional Development Programme on**

**“Application of Composite Materials”**

**From**

**19.12.2016 to 26.12.2016**

S.No	Department	Name of the Faculty
1	Automobile	Dr.P.Shanmughasundram Professor
2	Automobile	Mr .R.Barath balaji Assistant Professor
3	Automobile	Dr.R.Gopinathan Assistant Professor
4	Automobile	Mr. G.Jayabalaji Assistant Professor
5	Automobile	Mr.R.Mathavan Assistant Professor
6	Automobile	Mr.G.Sathish kumar Assistant Professor



# Faculty Development Program ON URBAN LANDSCAPE

Date:  
10th DEC  
to  
17th DEC  
2016

Guest:  
Ar.Gayathri Kalyanasundram, M.arch

Organised by  
Faculty Of Architecture  
Karpagam Academy of Higher Education  
Pollachi main road,,Echanari post,  
coimbatore - 641021





# KARPAGAM ACADEMY OF HIGHER EDUCATION

*(Deemed to be University)*

*(Established Under Section 3 of UGC Act 1956)*

## DEPARTMENT OF ARCHITECTURE

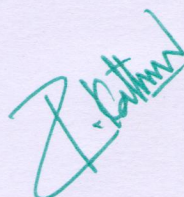
### **Report on the Professional Development Programme on “Urban Landscape “ conducted between 10.12.2016 - 17.12.2016**

A Professional Development Programme on “**Urban Landscape**” conducted between **10-12-16 to 17-12-2016** for the Faculty members of Department of Architecture. About 10 faculty members attended the programme.

This PDP aims to provide knowledge of design of urban spaces including renewal and development. Of urban landscape areas. The programme also intends the relationship between Landscape Architecture, Urban landscape Design and Town Planning. The programme develops the Perception pattern in urban landscape – Townscape elements and guiding and monitoring their progress.

All the sessions were very much informative. The discussed areas are of great benefit for the participants as the topics match with the academic curriculum. Participants were enlightened with the most widely used advance strategies in Sustainable Architecture. This in turn will help in motivating participants as well as students and student's placement opportunity.

All participants received Certificate. The program was ended with vote of Thanks by Ar.Kathiravan

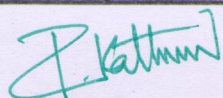




**FACULTY OF ARCHITECTURE, DESIGN AND PLANNING  
KARPAGAM ACADEMY OF HIGHER EDUCATION**

**List of Faculties  
AY:2016-17 - Odd Semester**

Sl.No	Staff Name	
1	Ar.Kathiravan P	
2	Ar.Ramakrishnamoorthy M R	
3	Ar.Lingeshwaran G	
4	Ar.Vimal C	
5	Ar.Issac A	
6	Ar.Karthick R	
7	Ar.Shivachandran S	
8	Ar.Femil M	
9	Er.Alan S	
10	Mr.Panneerselvam J	



Ar.Kathiravan P  
Dean i/c,  
Faculty of Architecture.

## ORGANIZING COMMITTEE

### Chief Patron

**Dr.S.SUDALAI MUTHU**

Vice Chancellor,  
KarpagamUniversity

### Patron

**Dr. R.SUNDARARAJAN,**

Registrar,  
KarpagamUniversity

**Dr.M.PALANISWAMY**

Dean- FASH  
KarpagamUniversity

### Convenor

**Dr.V.SENTHIL KUMAR,**

Head of the Department,  
Dept of Physics, FASH,  
KarpagamUniversity

### Organizing Secretary

Dr.B.Janarthanan, Associate Professor,  
Department of Physics,  
KarpagamUniversity

### Organizing Team Members

Dr. M. Kanagaraj, Assistant Professor

Dr. N. Sudharsana, Assistant Professor

Mr.E.Sivasenthil, Assistant Professor

Mrs.S.Sharmila, Assistant Professor

Miss.A.Sahana Fathima, Assistant Professor

Mrs.Ambili Vipin, Assistant Professor

Miss.S.Kanakadurga, Assistant Professor

Mrs.N.Geetha, Assistant Professor

## PROGRAMME SCHEDULE

Inauguration 09.30 AM - 10.00 AM

### DAY I

Session: 11.00 AM - 04.30 PM

Topic : "TYPES OF INSTRUMENTS"

Speaker : Dr.S.Gunasekaran, Dean, R&D,  
St Peters University, Chennai.

### DAY II

Session: 10.00 AM - 4.30 PM

Topic : "SIGNAL ANALYZERS & SIGNAL GENERATION"

Speaker: Dr.P.M.Anbarasan,  
Professor & Director, Centre for  
Nanoscience & Technology, Dept of Physics,  
Periyar University, Salem

### DAY III

Session: 10.00 AM - 4.30 PM

Topic : "DIGITAL STORAGE AND MIXED SIGNAL OS"

Speaker: Dr.V.P. Mahadevan Pillai,  
Professor & Head, Dept of Optoelectronics,  
University of Kerala, Thiruvananthapuram.

### DAY IV

Session: 10.00 AM - 4.30 PM

Topic : "POWER UP, VISUALIZE AND ANALYZE"

Speaker: Dr.J.Shanthi, Associate Professor & Head,  
Avinashilingam Institute for Women, Coimbatore.

### DAY V

Session: 10.00 AM - 4.30 PM

Topic : "CALIBRATION OF INSTRUMENTS"

Speaker: Prof.P.T.Rajan, Principal  
Karpagam Polytechnic College, Coimbatore

### DAY VI

Session: 10.00 AM - 4.30 PM

Topic : "EDUCATION PROGRAMS MAXIM SHVEDOV"

Speaker: Dr.V.Annamalai, Associate Professor,  
Dept of Physics, Chikkanna Government Arts  
College, Tiruppur

### DAY VII

Session: 10.00 AM - 4.30 PM

Topic : "ELECTRONIC DESIGN AUTOMATION"

Speaker: Dr.R.T.Rajendra Kumar, Professor & Head,  
Dept of Nanoscience and Technology,  
Bharathiar University, Coimbatore



## KARPAGAM UNIVERSITY

A Joint Programme of  
Center of Human Resource Development  
and  
Department of Physics

## Short term Training program on " Electronics Instruments Servicing "

05th December to 12th December 2016



Organized by

Department of Physics

Venue : MBA Hall



## Karpagam University

Coimbatore – 641021.

Faculty of Arts, Science and Humanities

Department of Physics

Short term Training program on " Electronics Instruments Servicing "

(05th December to 12th December 2016)

### REPORT

The faculty development program was conducted in Department of Physics from 05th December to 12th December 2016. The Program started on 05th December 2016 at 10.00 am in MBA hall. The resource person Dr.S.Gunasekaran, Dean, R&D, St Peters University, Chennai had given lecturer on Topic : "TYPES OF INSTRUMENTS". Speaker: Dr.P.M.Anbarasan, Professor & Director, Centre for Nanoscience & Technology, Dept of Physics, Periyar University, Salem, had delivered lecturer on "SIGNAL ANALYZERS & SIGNAL GENERATION". Dr.V.P. Mahadevan Pillai, Professor & Head, Dept of Optoelectronics, University of Kerala, Thiruvananthapuram had given talk on Topic : " DIGITAL STORAGE AND MIXED SIGNAL OS". Dr.J.Shanthi, Associate Professor & Head, Avinashilingam Institute for Home Science and Higher Education for Women, Coimbatore, had demonstrated " POWER UP, VISUALIZE AND ANALYZE". Prof.P.T.Rajan, Principal, Karpagam Polytechnic College, Coimbatore, had given lecturer on "CALIBRATION OF INSTRUMENTS". Dr.V.Annamalai, Associate Professor, Dept of Physics Chikkanna Government Arts College, had given lecturer on "EDUCATION PROGRAMS MAXIM SHVEDOV". Dr.R.T.Rajendra Kumar, Professor & Head, Dept of Nanoscience and Technology, Bharathair Uinversity, Coimbatore, " ELECTRONIC DESIGN AUTOMATION"

The Short term Training program was very useful for all the faculty members as well as the research scholars.



Presentation by Dr.S.Gunasekaran, Dean, R&D, St Peters University, Chennai



Karpagam University

Coimbatore – 641021.

Faculty of Arts, Science and Humanities

Department of Physics

Short Term Training program on " Electronics Instruments Servicing "

(05.12.2016 to 12.12.2016)

**LIST OF PARTICIPANTS'**

<b>Sr.No</b>	<b>Name Of the Faculty</b>	<b>Designation</b>
1	Dr.V.Senthil Kumar	Associate Professor & Head
2	Dr.B.Janarthanan	Assistant Professor
3	Dr. M. Kanagaraj	Assistant Professor
4	Dr. N. Sudharsana	Assistant Professor
5	S. Sharmila	Assistant Professor
6	A. Sahana Fathima	Assistant Professor
7	Ambili Vipin	Assistant Professor
8	S. Kanakadurga	Assistant Professor
9	N. Geetha	Assistant Professor
10	E. Sivasenthil	Assistant Professor



**PROFESSIONAL DEVELOPMENT PROGRAM  
ON  
SUSTAINABLE  
AQUACULTURE DEVELOPMENT**

**December (05.12.2016 -11.12.2016)**

**Presidential Address**

**Dr. S. SUDALAI MUTHU**

Vice Chancellor

Karpagam University

**Felicitation**

**Dr. M. PALANISWAMY**

**Dean, Arts, Science & Humanities**

Karpagam University

**Organizing Secretary**

**Dr. M. PALANISWAMY**

**Prof & Head Department of Microbiology**

Karpagam University

For Enquiries contact:

Cell: 9677176142, 8903500032

kahetribu@gmail.com

**INVITED SPEAKERS**

**Dr. H. Shakila**

**Professor and Head**

**Dept. of Molecular Microbiology**

**Madurai Kamaraj University**

**Dr. K. Usha**

**Professor**

**Dept. of Biochemistry, Biotechnology &**

**Biostatistics**

**Avinashilingam University**



**PROFESSIONAL DEVELOPMENT  
PROGRAM  
ON  
SUSTAINABLE AQUACULTURE  
DEVELOPMENT**

**December (05.12.2016 -11.12.2016)**

**A Joint Programme  
of  
Centre for Human Resource  
Development  
&  
Department of Microbiology**



Enable | Enlighten | Enrich

**KARPAGAM  
UNIVERSITY**

(Established Under Section 3 of UGC Act, 1956)

**KARPAGAM UNIVERSITY**

**(Deemed to be University)**

**(Established Under Section 3 of UGC Act 1956)**

**Pollachi Main Road, Eachanari Post,**

**Coimbatore – 641 021**

**Phone: 0422-6471113-5, 6453777 Fax No: 0422 -2980022-3**

**Email: [info@karpagam.com](mailto:info@karpagam.com) Web: [www.kahedu.edu.in](http://www.kahedu.edu.in)**

**Report on Professional Development Course on Sustainable Aquaculture Development  
Held during 5<sup>th</sup> – 11<sup>th</sup> December, 2016**

A seven-day short term course on Professional Development Course on Sustainable Aquaculture Development held during 5<sup>th</sup> – 11<sup>th</sup> June, 2016, at Department of Microbiology, Karpagam University. The professional development course helped the participants to learn the technological developments in aquaculture, in its various areas of intervention, optimal production techniques, and infrastructure involved in this industry. This professional development course on sustainable aquaculture promotes awareness among productivity and sustainability aquaculture development.



Demonstration of sustainable aquaculture by faculty

**KARPAGAM UNIVERSITY**  
(KARPAGAM ACADEMY OF HIGHER EDUCATION)  
(Deemed to be University *established Under Section 3 of UGC Act 1956*)  
Eachanari PO, Coimbatore – 641 021, India.  
**DEPARTMENT OF MICROBIOLOGY**

---

**List of Participants for professional development course on Sustainable aquaculture  
development**

**Held during 5<sup>th</sup> - 11<sup>th</sup> December, 2016**

**Organized by: Department of Microbiology**

Sl. No.	Name of the Faculty	Designation
1	Dr. M. Palaniswamy	Professor & Head
2	Dr. B. V. Pradeep	Associate Professor
3	Dr. R. Usha	Associate Professor
4	Dr. M. Kulandhaivel	Associate Professor
5	S. Dinesh Kumar	Assistant Professor
6	P. Srinivasan	Assistant Professor
7	P. Akilandeswari	Assistant Professor
8	V. Usharani	Assistant Professor
9	Dr. S. Ramalakshmi	Assistant Professor
10	Dr. T. Diraviyam	Assistant Professor

## ORGANIZING COMMITTEE

### CHIEF PATRONS

**Dr.S.SUDALAIMUTHU**

*Vice – Chancellor*

**KARPAGAM ACADEMY OF HIGHER EDUCATION**

### PATRONS

**Dr.S.SUNDARJAN**

*Registrar*

**KARPAGAM ACADEMY OF HIGHER EDUCATION**

**Dr.C.R.HEMA**

*Dean*

*Faculty of engineering*

**KARPAGAM ACADEMY OF HIGHER EDUCATION**

### CONVENER

**Dr.A.AMUDHA**

*Prof&Head*

*Dept of EEE*

**KARPAGAM ACADEMY OF HIGHER EDUCATION**

### ORGANIZING SECRETARIES

❖ **Mr.K.BALACHANDAR**  
Assistant Professors/FoE/EEE/KAHE

❖ **Dr.M.SIVA RAMKUMAR**  
Assistant Professors/FoE/EEE/KAHE

### ORGANIZING TEAM MEMBERS

- Mrs.S.DIVYAPRIYA/AP/FoE/EEE/KAHE
- Mr.T.RAMESH/AP/FoE/EEE/KAHE

## **Important Dates**

Registration Conformation : 20-11-2018

Intimation date : 20-10-2018

Course Date : 21-11-2018

### **Topics Covered in this Course & Resource Persons**

**21-11-2016:** Introduction to Embedded System

**Dr.A.Soundarrajan/ASP/EEE/PSG  
Tech,Coimbatore**

**22-11-2016:** Operating Principles And Relay  
Characteristics

**Gr.Ravichandran/G.M/Lakshmi Electrical  
Control**

**23-11-2016:** Apparatus Protection

**Mr.A.Raguram,MD,Cares Renewable Pvt.ltd**

**24-11-2016:** Theory of Circuit Interruption

**Mr Ravichandran,G.M/Lakshmi electrical**

**25-11-2016:**Merits of Robotics Implementation

**Dr.V.Vanitha AP, Amirta university**

**28-11-2015:** Circuit Breakers

**Mr.M.Jothilingam,DE , GRT Embedded Solution**

**29-11-2018:** Future Scope

**Prof A.Stanly Paul, KCE,Coimbatore**

## **SHORT TERM COURSE**

### **“ POWER SYSTEM PROTECTION AND SWITCH GEARS”**

**21-11-16 to 29-11-16**



***A Joint Programme of  
Centre for Human Resource Development  
and***

***Department of Electrical And Electronics Engineering***

**KARPAGAM ACADEMY OF HIGHER EDUCATION**

**(Deemed to be University )**

**(Established Under Section 3 of UGC Act 1956)**

**Pollachi Main Road, Eachanari Post,**

**Coimbatore – 641 021. INDIAPhone : 0422-**

**6471113-5, 6453777**

**Web : [www.kahedu.edu.in](http://www.kahedu.edu.in)**

**Organized by**

**Department of**

**Electrical & Electronics Engineering**

**Pollachi Main Road, Eachanari Post,**

**Coimbatore – 641 021. INDIA**

30-11-2016

**A JOINT PROGRAMME OF CENTRE FOR HUMAN RESOURCE DEVELOPMENT  
AND  
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING**

**REPORT ON SHORT TERM COURSE**

Title	: Power System Protection And Switch Gears
Resource Person	: Gr. Ravichandran/General Manager/Lakshmi Electrical Control System, Coimbatore
Event date	: 21-11-2016 to 29/11/2016
Venue	: Thiruvalluvar Hall, KAHE
Attendees	: Faculties of EEE
Time	: 10.00am to 03.45pm
Organizer	: Mr.K.Balachander/ASP/EEE/FoE/KAHE

The Short term Course "Power System Protection And Switch Gears" was organized by Department of EEE, Faculty of Engineering, KAHE. The main objective of this session was to get a complete idea on Protection and Switch gears. The session was started with prayer song and inaugurated by **Dr. A. Amudha**/HoD/EEE which was followed by the welcome address by **Dr. M. Mansoor**/AP/EEE. This session was carried out by **Gr. Ravichandran**/General Manager/Lakshmi Electrical Control System, Coimbatore. He has vast experience in Battery, Charge Controller and inverter design. He also published many papers in National international journals. Students took active participation by listening and also noting down the important points given by the guest. Vote of thanks was delivered by **K. Balachander**/ASP/EEE. The programme came to an end with National Anthem.



*Lecture delivered by Dr.V.Vanitha*



**A JOINT PROGRAMME OF CENTRE FOR HUMAN RESOURCE DEVELOPMENT  
AND  
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING**

**SHORT TERM COURSE ON POWER SYSTEM PROTECTION AND SWITCH GEARS**

**Participants**

**Date & Time: 21-11-2016 to 29-11-2016 & 9.30 AM to 4.00 PM      Venue: Thiruvalluvar Hall, KAHE**

S. No.	Name	Designation
1.	Dr.A AMUDHA	HOD
2.	Dr.K.BALACHANDER	ASSOCIATE PROFESSOR
3.	M.SIVA RAMKUMAR	ASSISTANT PROFESSOR
4.	T.RAMESH	ASSISTANT PROFESSOR
5.	S.DIVYAPRIYA	ASSISTANT PROFESSOR

**A Seven Day  
Professional Development Programme  
On  
ICT Enabled English Language Teaching  
November (16.11.2016 -23.11.2016)**

**ORGANIZING COMMITTEE**

**Dr.S.SUDALAI MUTHU**  
VICE-CHANCELLOR  
Karpagam Academy of Higher Education

**DR. G.SEKAR**  
REGISTRAR  
Karpagam Academy of Higher Education

**Dr. M. PALANISWAMY**  
Dean- FASH  
Karpagam Academy of Higher Education

**CONVENOR**  
**HOD, DEPARTMENT OF ENGLISH AND FOREIGN  
LANGUAGES**

**ORGANIZING SECRETARY**  
**Dr. Azaruddeen N**  
Assistant Professor, Department of English and Foreign  
Languages  
Karpagam Academy of Higher Education

**CO-ORDINATOR**  
**Dr. Vanitha R**  
Assistant Professor, Department of English and Foreign  
Languages  
Karpagam Academy of Higher Education  
For Enquiries contact:  
Cell: 9942601014  
english.hod@kahedu.edu.in

**INVITED SPEAKERS**

**Dr.Suresh Frederick,**  
Professor of English,  
Bishop Heber College, Trichy.  
**Dr. K. Kaviarasu,**  
Assistant Professor of English,  
Vivekananda College, Kanyakumari.  
**Prof. A Selvam,**  
Head, Department of English Studies,  
Central University of Tamil Nadu, Thiruvavur.  
**Dr. S. Kalamani,**  
Professor of English,  
Avinashilingam Institute for Home Science and  
Higher Education for Women, Coimbatore.  
**Dr. V. L. Jayapaul,**  
Assistant Professor of English PG & Research  
Department of English,  
St. Joseph's College (Autonomous), Trichy.  
**Dr. S. Samuel Rufus,**  
Assistant Professor of English,  
Madras Christian College, Chennai.  
**Dr.P. Bhaskaran Nair ,**  
Professor of English, Hindustan University,  
Chennai.



**A Seven Day  
Professional Development Programme  
On  
ICT Enabled English Language  
Teaching**

**16 November 2016 -23 November 2016**

**A Joint Programme of Center of Human  
Resource Development**

**&  
Department of English and Foreign  
Languages**



**KARPAGAM ACADEMY OF HIGHER EDUCATION**  
*(Deemed to be University Established Under Section 3 of  
UGC Act 1956)*

**Pollachi Main Road, Eachanari Post,  
Coimbatore – 641 021. INDIA**  
**Phone : 0422-6471113-5, 6453777 Fax No : 0422 -  
2980022-3**  
**Email : info@karpagam.com Web : [www.kahedu.edu.in](http://www.kahedu.edu.in)**



**KARPAGAM ACADEMY OF HIGHER EDUCATION  
A JOINT PROGRAMME OF CENTER OF HUMAN RESOURCE  
DEVELOPMENT  
&**

**DEPARTMENT OF ENGLISH AND FOREIGN LANGUAGES**

**Report on Professional Development Program on ICT Enabled English Language Teaching**

The Department of English organized a **Professional Development Program on ICT Enabled English Language Teaching** for the Faculty members, Department of English, Karpagam Academy of Higher Education, Coimbatore from **16<sup>th</sup> November to 23<sup>rd</sup> November, 2016**. The Professional Development Program was facilitated by Professors from various institutions. The programme provided a chance for the faculty members to strengthen their skills pertinent to technology oriented teaching. The Programme brought out the significant elements of English Language using ICT Tools.

On 16<sup>th</sup> November, Dr. Suresh Frederick, Associate Professor and UG Head in the Department of English, Bishop Heber College, briefed on the significant aspects of technology oriented teaching in the digital era. He emphasized how technology is influencing the lives of people and how one can use it to extract the best out of it. The resource person also stated that inculcating technology would kindle the interests of the students in learning.

On 17<sup>th</sup> November, Dr. K. Kaviarasu, Assistant Professor of English at Vivekananda College, Agastheeswaram, spotlights on how faculty members can use different ICT tools for a best smart classroom atmosphere. He provided various references and real time techniques which faculty members can implement in the class rooms.

On 18<sup>th</sup> November, Prof. A Selvam, Head, Department of English Studies, Central University of Tamil Nadu, Thiruvarur introduced faculty members to various digital sources which can be used in the classrooms for a best digital learning experience. He advised the faculty members to keep updating themselves in their field of interest and to cope with the digital evolution.

On 19<sup>th</sup> November, Dr. S. Kalamani, Professor, Department of English, Avinashilingam Institute for Home Science and Higher Education for Women spoke about the changes ICT has brought into the field of teaching. She throws light on how technology enabled teaching aids the students to adapt to the real time work environments.

On 21<sup>st</sup> November, Dr. P. Tamilarasan, Assistant Professor, Department of English and Foreign Languages, SRM Institute of Science and Technology offered a hands on session on

using ICT tools. All the faculty members were given opportunities to clarify their queries on implementing ICT tools in the classrooms.

On 22<sup>nd</sup> November, Dr. M. Poonkodi, Assistant Professor, Karunya University offered significant insights on English Language Teaching using ICT tools. She throws light on various platforms and internet sources which helps the faculty members to utilize in their classrooms. She spoke on how technology provides a best platform to listen to a native speaker and learn the language.

On the last day, 23<sup>rd</sup> November, Dr. P. Bhaskaran Nair, Professor of English, Hindustan University provided insights on how faculty members can keep the liveliness of the class by implementing ICT tools. He offered various real time examples which helps the faculty members to enhance their language teaching methodologies. The session was well received by the Faculty members with positive feedback



**Dr. Suresh Frederick, Associate Professor, Head in the Department of English, Bishop Heber College, Addressing the Gathering**



**KARPAGAM ACADEMY OF HIGHER  
EDUCATION**  
**A JOINT PROGRAMME OF CENTER OF HUMAN RESOURCE  
DEVELOPMENT**  
**&**  
**DEPARTMENT OF ENGLISH AND FOREIGN LANGUAGES**  
**PROFESSIONAL DEVELOPMENT PROGRAMME**  
**LIST OF PARTICIPANTS**  
**ICT ENABLED ENGLISH LANGUAGE TEACHING**

Sl. No.	NAME OF THE FACULTY
1.	Dr. Selvalakshmi S
2.	Ms. Mizpah Rebekah
3.	Ms. Annalakshmi R
4.	Dr. Azaruddeen N
5.	Dr. Vanitha R
6.	Ms. Priyadharsini S
7.	Ms. Kayathri K
8.	Ms. Jayasudha P
9.	Mr. Kumanan K
10.	Dr. Gnanasekaran R
11.	Ms. Monika S



**KARPAGAM ACADEMY OF HIGHER EDUCATION**  
(Deemed to be University)  
(Established Under Section 3 of UGC Act, 1956)  
Eachanari Post, Coimbatore-641021.

**DEPARTMENT OF BIOCHEMISTRY**



On behalf of the Department of Biochemistry, Karpagam Academy of Higher Education, we would like to invite you for the

Training Program on

**“Instrumentation”**

@ 3.00 pm 14<sup>th</sup> November on 2016

**VENUE: PG Laboratory, Dept Biochemistry**

**Presides**

**Dr. V. K. Gopalakrishnan**  
**Professor**

Department of Biochemistry  
Karpagam Academy of Higher Education

*Resource Person*

**Dr. Dr. K. Devaki**  
**Associate Professor**  
KAHE, Coimbatore

## **Report on Training Program “Instrumentation”**

A Training Program on “Instrumentation” was organized by Department of Biochemistry on 14<sup>th</sup> November, 2016 at 3.00 pm. Dr. J. Anitha, Assistant Professor, Department of Biochemistry welcomed the gathering. Resource person introduction was given by Dr. V.K. Gopalakrishnan, Professor, Department of Biochemistry. Felicitation address was delivered by Dr. M. Sridhar Muthusami, Assistant Professor, Department of Biochemistry, and the session was delivered by Dr. K. Devaki, Associate Professor, KAHE Coimbatore. She was delivered the training on various instruments such as “Gel electrophoresis, and laminar air flow” to the lab technicians from life science department of KAHE and finally vote of thanks was delivered by Dr. K. Poornima.



**Dr. K. Devaki Mam Given Training**



**FACULTY OF ARTS, SCIENCE AND HUMANITIES**  
**KARPAGAM ACADEMY OF HIGHER EDUCATION**

(Deemed University *established Under Section 3 of UGC Act 1956*)

Eachanari PO, Coimbatore – 641 021, India.

**Details of Training given to non-teaching staff in the department of Life-science for instrument handling**

<b>2016-2017</b>				
<b>S.No</b>	<b>Name of the non teaching staff</b>	<b>Department</b>	<b>Instrument handling trained / trained by</b>	<b>Date conducted</b>
1	Mrs. B. Vijaya	Biochemistry	Gel electrophoresis (BT) Laminar air flow (MB)	14.11.2016
2	Mrs. M. Janaki	Biochemistry		
3	Mrs. J. Ranganayaki	Biotechnology		
4	Mrs. P. Gomathi	Biotechnology		
5	Mrs. P. Maheswari	Microbiology		

BC – Biochemistry lab; BT – Biotechnology lab; MB – Microbiology lab

## **ORGANIZING COMMITTEE**

### **Chief patron**

Dr.S.SudalaiMuthu  
Vice Chancellor  
Karpagam Academy of Higher Education.

### **Patron**

Dr.S. Sundararajan  
Registrar  
Karpagam Academy of Higher Education.

Dr.M.Palaniswamy  
Dean,  
Faculty of Arts, Science and Humanities  
Karpagam Academy of Higher Education

### **Convenor**

M.M.Shanmugapriya  
Head of the Department /Maths,FASH  
Karpagam Academy of Higher Education

### **Organizing Secretary**

Dr.K.Kalidass  
Assistant professor/Maths,FASH  
Karpagam Academy of Higher Education

### **Organizing Team Members**

Ms.KOHILA.S  
Assistant Professor  
Karpagam Academy of Higher Education

Mr.R.PRAVEEN KUMAR  
Assistant Professor  
Karpagam Academy of Higher Education

U.R .Ramakrishnan  
Assistant Professor  
Karpagam Academy of Higher Education.

## **PROGRAMME SCHEDULE**

Inauguration 9.00am -9.30am  
Session:9.30am -3.30pm  
**Dr. V. Sundarapandian**  
Professor  
Research and Development Centre  
Vel Tech University  
Avadi, Chennai.

### **Dr.E. Subha**

Associate Professor  
Head,Department of Mathematics  
Karpagam College of Engineering  
Coimbatore.

### **Dr.P.R.Kandasamy**

Professor & Director  
Hindusthan Institue of Technology  
Coimbatore.

### **Dr.N.Anbazhagan**

Professor & Head  
Department of Mathematics  
Alagappa University  
Karaikudi.

A Joint Programme of  
Centre For Human Resource Development  
and  
Department of Mathematics

**Professional Development  
Programme on Fuzzy Algebra &  
Stochastic Processes  
14<sup>th</sup> November 2016**

**to  
21<sup>st</sup> November 2016**

**Organized by  
Department of Mathematics**



**KARPAGAM ACADEMY OF  
HIGHER EDUCATION**  
(Deemed to be University)  
(Established Under Section 3 of UGC  
Act, 1956)  
Eachanari Post, Coimbatore-641021.  
Tamilnadu, India.

Venue: MBA Hall



**KARPAGAM ACADEMY OF HIGHER EDUCATION**  
(Deemed to be University)  
(Established Under Section 3 of UGC Act, 1956)  
Eachanari Post, Coimbatore-641021. Tamilnadu, India.

**A Joint Programme of Centre For Human Resource Development  
and  
Department of Mathematics**

**Professional Development programme on Fuzzy Algebra and Stochastic Processes -  
a Brief Report**

The Department of Mathematics Organized a Professional Development programme on **Fuzzy Algebra and Stochastic Processes** which held from 14.11.2016 to 21.11.2016 and 14 members of our faculty members were participated. The program was started at 9.30 am in the MBA Hall, Karpagam University.

The details of the topics covered by the Resource person are furnished below.

Date	Topic	Topics Covered	Resource Person
14.11.2016	Fuzzy Algebraic Structures with their properties	He discussed about the importance of applications and faculties got more knowledge about Fuzzy Algebra is a generalization of concepts to Fuzziness. He describe the concepts of Fuzzy subrings and homomorphism of subrings and subfields. And also he gave lecture on the topic of applications of Fuzzy algebraic structures with their properties.	Dr.V.Sundarapandian, Professor, Research and Centre, Department of Mathematics, Vel Tech University, Chennai
15.11.2016	Applications of Fuzzy Algebraic Structures		
16.11.2016	Canonical Probability Space and Constructing the Random Walk	Faculty get more knowledge about when one deals with infinite-index stochastic processes, the construction of the probability space to support a given model is usually quite a	Dr.P.R.Kandasamy, Professor and Director, Department of Mathematics, Hindusthan Institute of Technology, Coimbatore
17.11.2016	Stochastic Processes Models		



		<p>technical matter. Also the faculty Members understood that how to construct the simple random walk on the canonical probability space. A stochastic process model describes how an objective “randomly” varies over time and is typically referred to as an infinite-dimensional random variable whose value is continuous function. The Participants understood the overall concepts of Stochastic Processes and they can easily apply this model to their research work.</p>	
18.11.2016	Applications of Stochastic Processes in Biology and Medicine	Stochastic processes have always been applied in many fields. He gave a lecture of some important stochastic processes and their applications in biology and medical science. And also he discussed the birth and death process with neutral mutation, classes of branching processes are used to study mutations characterized in terms of splitting trees and the mutations were not described in terms of nucleotide substitutions that are widely used in the classification of human haplotypes	Dr.N.Anbazhagan, professor and Head, Department of mathematics, Alagappa University, Karaikudi
19.11.2016			

		based on mitochondrial DNA. From the Faculty Development programme, all the faculty members got some knowledge on the topic of fuzzy algebra and stochastic processes.	
21.11.16	Applications of Fuzzy Algebra in Automata Theory and Coding Theory”	fuzzy algebra in automata theory and coding theory by her lecture. The speaker explained about how to apply fuzzy semigroup theory to show that (fuzzy) automata with fuzzy input are equivalent to (fuzzy) automata with crisp input.	Dr.E.Subha, Associate Professor, Department of Mathematics, Karpagam College of Engineering, Coimbatore

**Timing: FN 9.30 am to 12.30 pm: AN 1.30 pm to 3.30 pm**

The course formally ends with valedictory function and distribution of certificates. Participants gave their valuable feedbacks which includes the organizing of more Professional Development programme courses like this in future.



Feedback from Department Faculty



Participated Faculty Members



**KARPAGAM ACADEMY OF HIGHER EDUCATION**

(Deemed to be University)

(Established Under Section 3 of UGC Act, 1956)

Eachanari Post, Coimbatore-641021. Tamilnadu, India.

**A Joint Programme of Centre For Human Resource Development  
and  
Department of Mathematics**

**Attendance for professional Development program on Fuzzy Algebra and Stochastic  
processes**

**Time :9.30am to 3.30 pm**

**Date : 14.11.2016-21.11.2016**

S.No.	Name of the Faculty
1	Dr.M.M.Shanmugapriya
2	Mr. M. Jeganathan
3	Dr. K. Kalidass
4	Mr. U. R. Ramakrishnan
5	Ms. Henna Shenofer
6	Ms. M.Jannath Begam
7	Ms. A.Neerajah
8	Ms. S.Kohila
9	Ms. K.Pavithra
10	Ms. M.Latha
11	Ms. Sukritha
12	Mr. R.Praveenkumar
13	Ms. J.Kowsalya
14	Ms. R.Poornima

## ORGANIZING COMMITTEE

Chief Patron

**Dr.S.Sudalaimuthu**

*Vice Chancellor*

*Karpagam Academy of Higher Education*

Patron

**Dr.R.Sundararajan**

*Registrar*

*Karpagam Academy of Higher Education*

**Dr.Lakshmanan**

*Dean*

*Faculty of Engineering*

*Karpagam Academy of Higher Education*

Convenor

**Dr.S.Bhavani**

*Head of the Department*

*Department of Electronics and communication*

*Engg*

*Faculty of Engineering*

*Karpagam Academy of Higher Education*

Organizing Secretary

**Mr.G.R.MahendraBabu, M.E**

*Department of Electronics & Communication Engg*

*Faculty of Engineering*

*Karpagam Academy of Higher Education*

***Mail: [mahendrababu.gr@kahedu.edu.in](mailto:mahendrababu.gr@kahedu.edu.in)***

***Contact No: +91 9965539275.***

Organizing Team Members

Dr.S. Kamalraj, Associate Professor/ECE

Dr.P.Manimegalai/Associate Professor/ECE

Mr.Daranikuma, Assistant Professor/ECE

## Topics to be Covered:

### DAY 1:

VLSI system design issues.

#### Speaker:

Dr.K.Gunavathi, BE, ME, PhD

Professor,

PSG College of Technology

### DAY 2:

RTL implementation using VHDL/Verilog

#### Speaker:

Dr.P.T.Vanathi, BE, ME, PhD

Associate Professor,

Department Electronics and Communication Engineering,

PSG College of Technology

### DAY 3:

Architecture optimization using Pipelining, Retiming, Unfolding and Folding.

#### Speaker:

Dr.T.Kesavamurthi, B.E, M.Tech, PhD.

Associate Professor,

Department Electronics and Communication Engineering,

PSG College of Technology

### DAY 4:

Design and implementation of Digital Filter, DCT, FFT, DWT, Cordic blocks

#### Speaker:

Dr. S. HemaChitra, BE, ME, PhD

Assistant Professor

Department Electronics and Communication Engineering,

PSG College of Technology

### DAY 5:

Timing issues and Interconnects

#### Speaker:

Dr. L.Thulasimani, B.E, M.E., Ph.D

Assistant Professor,

Department Electronics and Communication Engineering,

PSG College of Technology

### DAY 6 :

Low power design techniques

#### Speaker:

Dr.G.Umamaheswari, BE, ME, PhD

Assistant Professor (Sr.Gr.), Department Electronics and Communication Engineering,

PSG College of Technology

### DAY 7 :

Design margin, Reliability, Verification

#### Speaker:

Dr .S. Subha Rani Professor & Head, BE, ME, PhD

Professor & Head

Department Electronics and Communication Engineering,

PSG College of Technology

## KARPAGAM ACADEMY OF HIGHER EDUCATION

(Deemed to be University)

Established Under Section 3 of UGC Act, 1956



**A Joint Programme of  
Centre for Human Resource Development  
and  
Department of Biomedical Engineering**

**One Week PDP on "Implementation of  
Digital Logic using VHDL"**

**On**

**12.11.2016 to 18.11.2016**

**Organized By**

**Department of Biomedical Engineering**

**Faculty of Engineering**



## **FACULTY OF ENGINEERING**




### **A JOINT PROGRAMME OF CENTRE FOR HUMAN RESOURCE DEVELOPMENT AND DEPARTMENT OF BIOMEDICAL ENGINEERING**

#### **Report of Professional Development Programme on Implementation of Digital Logic using VHDL**

Report of One Week PDP on "**Implementation of Digital Logic using VHDL**" held on 12.11.2016 to 18.11.2016, organized By Department of Biomedical Engineering, KAHE.

The objective is to provide an exposure to the participants to the state-of-the-art in Digital VLSI Systems Design & implementation

#### **Course modules**

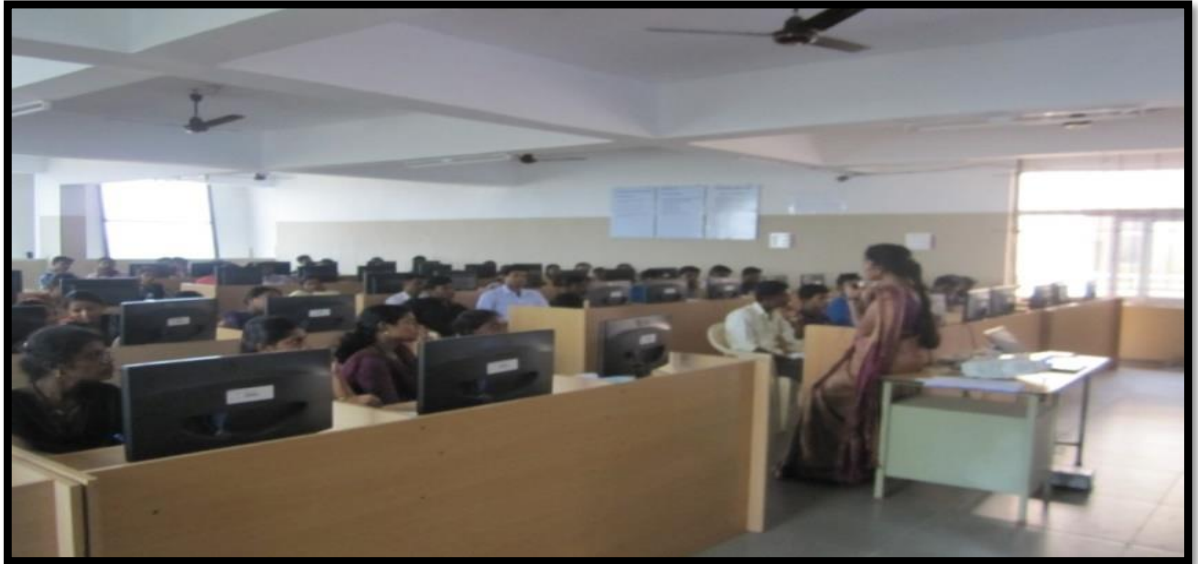
-  VLSI system design issues
-  RTL implementation using VHDL/Verilog
-  Architecture optimization using Pipelining ,Retiming, Unfolding and Folding

- ✚ Design and implementation of Digital Filter, DCT, FFT, DWT, Cordic blocks
- ✚ Timing issues and Interconnects
- ✚ Low power design techniques
- ✚ Design margin, Reliability, Verification

HDL (Hardware Description Language) based design has established itself as the modern approach to design of digital systems, with VHDL (VHSIC Hardware Description Language) and Verilog HDL being the two dominant HDLs. Numerous universities thus introduce their students to VHDL (or Verilog). The problem is that VHDL is complex due to its generality. Introducing students to the language first, and then showing them how to design digital systems with the language, tends to confuse students. The language issues tend to distract them from the understanding of digital components. And the synthesis subset issues of the language add to the confusion.

Biomedical signal processing is mainly about the innovative applications of signal processing methods in biomedical signals through various creative integrations of the method and biomedical knowledge.

Glimpses of One Week PDP on "**Implementation of Digital Logic using VHDL**" held on 12.11.2016 to 18.11.2016



**KARPAGAM ACADEMY OF HIGHER EDUCATION** (*Deemed to be University Established Under Section 3 of UGC Act 1956*) Pollachi Main Road, Eachanari Post, Coimbatore – 641 021. INDIA Phone No : 0422-6471113, 6471114, 6471115, 6453777 Fax No : 0422 - 2980022, 2980023

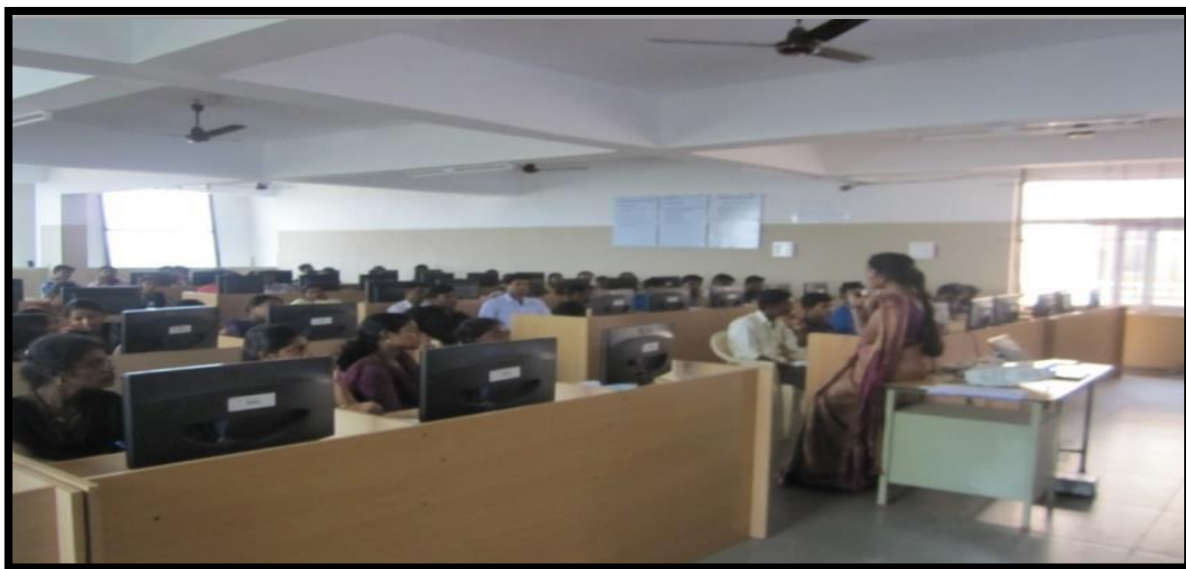
Email ID: [info@karpagam.com](mailto:info@karpagam.com)

Web : [www.kahedu.edu.in](http://www.kahedu.edu.in)

## **FACULTY OF ENGINEERING**

**A Joint Programme of**  
**Centre for Human Resource**  
**Development**  
**and**  
**Department of Biomedical Engineering**

Glimpses of One Week PDP on "Implementation of Digital Logic using VHDL" held on 12.11.2016 to 18.11.2016



VLSI system design issues session held on 12.11.2016



Architecture optimization using Pipelining session on 14.11.2016 by Dr.T.Kesavamurthi,B.E,M.Tech,PhD. Associate Professor, Department Electronics and Communication Engineering, PSG College of Technology



Retiming, Unfolding and Folding on 14.11.2016 by Dr.T.Kesavamurthi,B.E,M.Tech,PhD. Associate Professor, Department Electronics and Communication Engineering, PSG College of Technology



**A Joint Programme of  
Centre for Human Resource Development  
and  
Department of Biomedical Engineering**

**“One Week PDP on "Implementation of Digital Logic using VHDL" held from  
12.11.2016-18.11.2016**

**LIST OF PARTICIPANTS**

S.No.	NAME	DESIGNATION	DEPARTMENT
1	Dr. S. Bhavani	Professor & Head	Faculty of Engineering, KAHE
2	Dr. P. Manimegalai	Professor	Faculty of Engineering, KAHE
3	Dr. Kamalraj Subramaniam	Associate Professor	Faculty of Engineering, KAHE
4	G.R. Mahendra Babu	Assistant Professor	Faculty of Engineering, KAHE
5	K.P. Sridhar	Assistant Professor	Faculty of Engineering, KAHE
6	M. Darani Kumar	Assistant Professor	Faculty of Engineering, KAHE
7	A. Jerome Christhudass	Assistant Professor	Faculty of Engineering, KAHE
8	M. Mathi Vijay	Assistant Professor	Faculty of Engineering, KAHE
9	T.S. Aravinth	Lecturer	Faculty of Engineering, KAHE
10	J. Shafiq Mansoor	Lecturer	Faculty of Engineering, KAHE
11	N. Kaleeswari	Assistant Professor	Faculty of Engineering, KAHE
12	G. Rajarathinam	Assistant Professor	Faculty of Engineering, KAHE

## ORGANIZING COMMITTEE

### Chief Patron

**Dr. R. VASANTHAKUMAR**

President, Karpagam Educational Institutions.

### Patrons

**Shri. K. MURUGAIAH**

Chief Executive Officer, Karpagam Educational Institutions

**Shri. V. KRISHNAKUMAR**

Chancellor, Karpagam University

**Dr. S. SUDALAIMUTHU**

Vice Chancellor, Karpagam University

**Dr. G SEKAR,**

Registrar, Karpagam University

### Convenor

Dr.R.SUNDARAGANAPATHY, Dean,  
Faculty of Pharmacy, Karpagam University.

### Organizing Secretary

Mrs.K N AARATHI, Assistant Professor,FOP,KU.

### Organizing Team Members:

Mrs.K ABDUL KHAYUM, Assistant Professor,FOP,KU.

Mrs.G.PRAVEENA, Assistant Professor,FOP,KU.

## PROGRAMME SCHEDULE

Inauguration 9.30 am - 10.30 am

### DAY I

Session I :11.00 am - 04.30 pm

Topic : **"Structure Based Drug Design"**

Speaker: Dr. GEETHA, Professor,  
Department of Pharmaceutical Chemistry  
PPG College of Pharmacy, Coimbatore.

### DAY II

Session II 10.00 Am - 4.30 pm

Topic : **"Virtual Screening"**

Speaker: DR. W.D. SAM SOLOMAN,  
Department of Pharmaceutical Chemistry  
RVS College of Pharmacy, Sulur.

### DAY III

Session I 10.00 Am - 4.30 pm

Topic : **"Molecular Docking"**

Speaker: DR. M. KARPAKAVALLI  
Department of Pharmaceutical Chemistry  
Karpagam College of Pharmacy, Coimbatore.

### DAY IV

Session I 10.00 Am - 4.30 pm

Topic : **"Advancement in CADD"**

Speaker: Dr.S.HURMATH UNNISSA,  
Department of Pharmaceutical Chemistry  
KMCH College of Pharmacy, Coimbatore.

### DAY V

Session I 10.00 Am - 4.30 pm

Topic : **"Drug Discovery Cycle"**

Speaker: Dr DHANAM, Professor,  
Department of Pharmaceutical Chemistry  
PPG College of Pharmacy, Coimbatore.

### DAY VI

Session I 10.00 Am - 4.30 pm

Topic : **"How to identify the binding site"**

Speaker: MR LAKSHMI NARAYANAN, Associate Professor,  
Department of Pharmaceutical Chemistry  
Ahalia College of Pharmacy, Palakad.

### DAY VII

Session I 10.00 Am - 4.30 pm

Topic : **"Computational and Experimental Analysis of  
Ligand"**

Speaker: Dr Indhulatha, Professor,  
Department of Pharmaceutical Chemistry,  
Sree Abirami College of Pharmacy, Coimbatore.

## SHORT TERM COURSE

ON

**"COMPUTER AIDED DRUG DESIGN"**

November 9<sup>th</sup>,2016 to November 17<sup>th</sup>,2016

**A JOINT PROGRAMME OF  
CENTRE FOR HUMAN RESOURCE MANAGEMENT  
&  
FACULTY OF PHARMACY**



**KARPAGAM**  
ACADEMY OF HIGHER EDUCATION  
(Deemed to be University)  
(Established Under Section 3 of UGC Act, 1956)

**KARPAGAM ACADEMY OF HIGHER EDUCATION**  
(Deemed to be University Established Under Section 3 of UGC Act 1956)

Pollachi Main Road, Eachanari Post,  
Coimbatore – 641021, Tamil Nadu, India.  
Phone: +91-422-6471113, 6471114, 6471115.  
Fax: +91-422-2980022, 2980023.  
Email: info@kahedu.edu.in



**REPORT**  
**SHORT TERM COURSE**  
**ON**  
**“COMPUTER AIDED DRUG DESIGN”**  
**From 09-11-2016 to 17-11-2016**  
**A JOINT PROGRAMME OF**  
**CENTRE FOR HUMAN RESOURCE MANAGEMENT**  
**&**  
**FACULTY OF PHARMACY**

Professional Development Programme on the topic “**COMPUTER AIDED DRUG DESIGN**” held at Faculty of Pharmacy, Karpagam Academy of Higher Education on From Nov 9<sup>th</sup> 2016 to Nov 17<sup>th</sup> 2016.

This Professional Development Programme was organized with the aim to create a platform to acquire knowledge about the effective teaching and how to engage the students and also How can Incorporate More Engagement in the Activities, Tasks, and Assignments for the students.

The Inauguration of the Professional Development Programme was divinely started with the prayer song and lighting the kuthuvilakku. Courageous welcome address was delivered by Dr.R SUNDARAGANAPATHY, Professor, FOP, KAHE. Inaugural address In his address, he mentioned that Effective teaching activities will grow the students knowledge. The Chief Patron Dr.R. VASANTHAKUMAR President, Karpagam Educational Institutions delivered the keynote address on current trends in Effective teaching and engaging students. He quoted that “More effectiveness of teaching and

engaging students will help them more in the future". On first day Dignitary **DR. B. SAMUEL THAVAMANI**, Professor Sanjo College of Pharmacy, Palakkad has spoken about the topic "How can Incorporate More Engagement in the Activities, Tasks, and Assignments for the students". On the second day sessions **Mrs. JOICE**, Assistant Professor, PPG College of Pharmacy, Coimbatore has spoken related to the topic "How Can Teachers Transfers the power of engagement". On third day of session **MS.C. MAHESHWARI** has spoken on the topic "Different methods in teaching". On fourth day of session **Mr. CHRISTOPHER VIMAL** Associate Professor, Department of Pharmaceutics UNITED College of Pharmacy, Coimbatore has spoken on the topic "Role in Student Engagement". On fifth day **Dr. SENGOTTUVEL**, Professor, Department of Pharmacology, KMCH College of Pharmacy, Coimbatore has spoken about "cooperative Learning". On sixth day **MS. K. BHUVANESHWARI** Professor, Department of Pharmacognosy, RVS College of Pharmacy, Coimbatore has spoken based on "Inquiry based instruction". On seventh **Dr. VIJAYANANTH** Professor, Department of Pharmaceutical Chemistry UNITED College of Pharmacy, Coimbatore has narrated the topic based on "Behaviour management". The short term course of Effective teaching and Engaging students has undergone with various activities even during the sessions and was more knowledgeable.





*Inaugural session*



*Lecture given by Dr.W.D.Sam Solomon*



**SHORT TERM COURSE**  
**ON**  
**“COMPUTER AIDED DRUG DESIGN”**  
**From 09-11-2016 to 17-11-2016**

**A JOINT PROGRAMME OF**  
**CENTRE FOR HUMAN RESOURCE MANAGEMENT**  
**&**  
**FACULTY OF PHARMACY**

**LIST OF PARTICIPANTS**

S.NO	NAME OF THE PARTICIPANTS	DESIGNATION
1	Dr R Sundaraganapathy	Dean
2	Mr K Abdul Khayum	Assistant Professor
3	Ms G Praveena	Assistant Professor
4	Ms K N Arathi	Assistant Professor

## ORGANIZING COMMITTEE

### CHIEF PATRON

Dr. SUDALAIMUTHU

### VICE CHANCELLOR

### PATRON

Dr. G. SEKAR

### REGISTRAR

### CONVENOR

Dr. R. THILAGAVATHI

HOD, DEPARTMENT OF BIOTECHNOLOGY (FOE),

KARPAGAM UNIVERSITY

### ORGANIZING SECRETARY

Mr. S. ADAM

ASSISTANT PROFESSOR

DEPARTMENT OF BIOTECHNOLOGY (FOE)

### ORGANIZING TEAM MEMBERS

Ms. P. ESTHER JEMIMA

ASSISTANT PROFESSOR

DEPARTMENT OF BIOTECHNOLOGY (FOE)

Ms. V. VIJAYALAKSHMI

ASSISTANT PROFESSOR

DEPARTMENT OF BIOTECHNOLOGY (FOE)

## KEY NOTE SPEAKERS

07/11/2016:

Dr.S. Poongodi, Assistant Professor,  
Dr. SNS Rajalakshmi College of Arts and Science, Coimbatore.

08/11/2016:

Dr. V. Ravi Kumar  
Associate Professor,  
Bharathidasan University, Trichy

09/11/2016:

Dr. Indranil Chattopadhyay  
Assistant Professor from Central University, Tamilnadu .

10/11/2016:

Dr.S. Poongodi, Assistant Professor,  
Dr. SNS Rajalakshmi College of Arts and Science, Coimbatore.

11/11/2016:

Dr. V. Ravi Kumar  
Associate Professor,  
Bharathidasan University, Trichy

12/11/2016:

Dr. Indranil Chattopadhyay  
Assistant Professor from Central University, Tamilnadu .

14/11/2016:

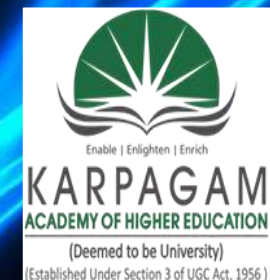
Dr.S. Poongodi, Assistant Professor,  
Dr. SNS Rajalakshmi College of Arts and Science, Coimbatore.

## PROFFESIONAL DEVELOPMENT

## PROGRAMME ON NANO MATERIALS FOR BIOMEDICAL APPLICATIONS

07/11/2016-14/11/2016

## A JOINT PROGRAMME OF CENTRE FOR HUMAN RESOURCE DEVELOPMENT AND DEPARTMENT OF BIOTECHNOLOGY FACULTY OF ENGINEERING



Karpagam Academy of Higher  
Education  
(Deemed to be University)  
(Established Under Section 3 of UGC Act  
1956)

Pollachi Main Road, Eachanari Post  
Coimbatore – 641 021, INDIA  
Phone : 0422-2980011-14  
Fax : 0422-2980022-23  
Email: [info@karpagam.com](mailto:info@karpagam.com)  
Web : [www.kahedu.edu.in](http://www.kahedu.edu.in)

17.11.2016

**A JOINT PROGRAMME OF  
CENTRE FOR HUMAN RESOURCE DEVELOPMENT  
AND**

**DEPARTMENT OF BIOTECHNOLOGY (FoE)**

**Report on Professional Development Programme on**

**“Nano materials for biomedical applications”**

**07.11. 2016 to 14.11.2016**

The use of nanotechnologies involving nanoand microparticles has increased tremendously in the recent past. There are various beneficial characteristics that make nanoparticles attractive for a wide range of technologies especially in biomedical applications. Seven days Professional Development programme on "Nanomaterials for biomedical applications" was organized by Department of Biotechnology, Karpagam Academy of Higher Education from 07.11.2016 to 14.11.2016.

**Dr.S. Poongodi**, Assistant Professor, Dr. SNS Rajalakshmi College of Arts and Science was a keynote speaker for the programme. She initiated her speech by giving brief introduction on nano materials and its types. Then, she also added a note on significance of each nano particle and its application in various field. She shared her research experience on interaction of colloidal nano particles in cell culture techniques.



Professional Development Programme on "Nanomaterials for Biomedical applications"

**Dr. V. Ravi Kumar**, Associate Professor, Bharathidasan University, Trichy was elaborated on the functionalization of nanoparticles which brought a significant increase in the biomedical applications including imaging of cell and tissues, drug delivery, sensing of target molecules etc. He also stated the current scenario of nano technology in biomedical field.

**Dr. Indranil Chattopadhyay**, Assistant Professor from Central University, Tamilnadu has given overview on the uses of metallic and metal oxide nanoparticles, carbon-nanotubes, liposomes, and nanopatterned flat surfaces for specific biomedical applications. He also elaborated on the chemical and physical properties of the nano material surface which considered as the essential feature for the use in diagnosis, biosensing, bioimaging devices and drug delivery systems.

The seven days programme discussed about the nanomaterials usage in biomedical applications, including clinical applications, diagnosis and tissue engineering which seems to be beneficiary for the faculty members.

**A JOINT PROGRAMME OF  
CENTRE FOR HUMAN RESOURCE DEVELOPMENT  
AND  
DEPARTMENT OF BIOTECHNOLOGY (FoE)  
Snapshots of Professional Development Programme  
on  
“Nano materials for biomedical applications”  
07.11. 2016 to 14.11.2016**



Dr.Indranil Chattopadhyay delivering his speech on "Nanomaterials for biomedical applications" on 09.11.2016



Dr.V.Ravi Kumar delivering his speech on "Nanomaterials for biomedical applications" on 08.11.2016



**A JOINT PROGRAMME OF  
CENTRE FOR HUMAN RESOURCE DEVELOPMENT  
AND**

**DEPARTMENT OF BIOTECHNOLOGY (FoE)**

**Professional Development Programme on**

**“Nano materials for biomedical applications”**

**07.11. 2016 to 14.11.2016**

**LIST OF PARTICIPANTS**

<b>Sl.No</b>	<b>Faculty Name</b>	<b>Designation</b>
<b>1</b>	Dr. R. Thilagavathi	HoD
<b>2</b>	Mrs. G. Jeyalakshmi	Assistant Professor
<b>3</b>	Ms. P. Sandhya	Assistant Professor
<b>4</b>	Ms. P. Esther Jemima	Assistant Professor
<b>5</b>	Ms. V. Vijayalakshmi	Assistant Professor
<b>6</b>	Mr. A. Nandhakumar	Assistant Professor
<b>7</b>	Mr. S. Adam	Assistant Professor

## **ORGANIZING COMMITTEE**

### **Chief Patron:**

**Dr. S. SUDALIMUTHU,**

Vice Chancellor,

Karpagam Academy of Higher  
Education, Coimbatore

### **Patron:**

**DR. SUNDARARAJAN,**

Registrar,

Karpagam Academy of Higher  
Education, Coimbatore

### **Dean:**

**DR. M. PALANISWAMY,**

Karpagam Academy of Higher  
Education, Coimbatore

### **CONVENOR**

Dr. V. K. Gopala krishnan,

Professor, Head of the Department,

Department of Biochemistry,  
Karpagam Academy of Higher  
Education, Coimbatore

### **ORGANIZING SECRETARY**

Dr. K. Poornima

For contact us:

Department of Biochemistry,

E.mail:poornima.k@kaheddu.edu.in

## **PROGRAM SCHEDULE:**

### **Inauguration 9.30 a.m -10.30 a.m**

Day I: 11.00 a.m - 4.00p.m

**Topic : Ultraviolet spectroscopy**

Day II: 9.30 a.m - 4.00p.m

**Topic : Enzyme Linked Immuno**

**Sorbent Assay**

Day III: 9.30 a.m - 4.00p.m

**Topic : Fourier Transform**

**Infrared Spectroscopy**

Day IV: 9.30 a.m - 4.00p.m

**Topic : Gas Chromatography**

Day V: 9.30 a.m - 4.00p.m

**Topic : Spectrofluorimeter**

Day VI: : 9.30 a.m - 4.00p.m

**Topic : Colorimeter**

Day VII: : 9.30 a.m - 4.00p.m

**Topic : Centrifuge and**

**Cyclomixer**



## **A JOINT PROGRAMME OF CENTRE FOR HUMAN RESOURCE DEVELOPMENT**

**AND**

## **DEPARTMENT OF BIOCHEMISTRY**

### **Professional Development Program on "Analytical Techniques"**

**07.11.2016 - 15.11.2016**

**Organized by**

**DEPARTMENT OF BIOCHEMISTRY**

**Venue: Bharathi Hall**

**A JOINT PROGRAMME OF CENTRE FOR HUMAN RESOURCE  
DEVELOPMENT  
AND  
DEPARTMENT OF BIOCHEMISTRY**

**Date: 16.11.2016**

**CONSOLIDATED REPORT**

Biochemistry department has conducted “Professional development Program on Analytical Techniques” during 07.11.2016 to 15.11.2016. Totally eleven faculties were attended the program.

**The following key points were discussed with the resource person**

1. Discussed about the theoretical and practical advancements in colorimeter and Spectrophotometer
2. Discussed about the ELISA
3. Discussed about the theoretical and practical advancements in GC and FTIR
4. Discussed about the centrifuge and cyclomixer



**Dr. V.K. Gopalakrishnan has delivered the lecture on analytical technique**



# KARPAGAM ACADEMY OF HIGHER EDUCATION

## Department of Biochemistry

---

### Professional Development Program on "Analytical Techniques"

#### List of Participants:

NO.	NAME OF THE FACULTY	DESIGNATION
1	Dr.V.K.Gopalakrishnan	Professor
2	Dr. K.Devaki	Assistant Professor
3	Dr.K.Poornima	Assistant Professor
4	Dr. M. Sridhar Muthusami	Assistant Professor
5	Dr. L. Hariprasath	Assistant Professor
6	Dr J.Anitha	Assistant Professor



## ORGANIZING COMMITTEE

### Chief Patron

**Dr. S. Sudalaimuthu**  
Vice Chancellor  
Karpagam University

### Patron

**Dr. G.Sekar**  
Registrar  
Karpagam University

### Convenors

**Dr. R. Sundararajan**  
Dean Faculty of Engineering  
Karpagam University

### Dr. P.Shanmugasundaram

Head of the Department  
Department of Mechanical Engineering  
Karpagam University

### Organizing Secretary

**Mr.P.Ragupathi,**  
Assistant professor  
Department of Mechanical Engineering  
Karpagam University

## Program Schedule:

Date	Topic	Resource Person
07.11.16	Principles of Engineering Graphics, Drawing instruments, lettering, dimensioning & scales	Mr.G.Vignesh AP / Mech
08.11.16	Orthographic Projections, Free Hand Sketching	Mr.P.Ragupathi AP / Mech
09.11.16	Isometric Projections	
10.11.16	Section of Solids	Mr.M.Parakash AP / Mech
11.11.16	Development of Surfaces	
12.11.16	Introduction to Computer Graphics	Mr.G.Vignesh AP / Mech

## KARPAGAM UNIVERSITY



**A Joint Programme of  
Center for Human Resource Development  
and  
Department of Mechanical Engineering**

**Training Programme on  
“Introduction to Engineering Graphics”  
(For Non Teaching Staff)**

**07<sup>th</sup> - 12<sup>th</sup> November 2016**

**Venue: Drawing Hall – Mechanical Engineering**

**Organized by**

**Department of Mechanical Engineering  
*Faculty of Engineering***

**A JOINT PROGRAMME OF  
CENTER FOR HUMAN RESOURCE DEVELOPMENT  
AND  
DEPARTMENT OF MECHANICAL ENGINEERING**

**Report on Training Programme on Introduction to Engineering Graphics  
(For Non Teaching Staff)**

**Date / Venue : 07.11.2016 to 12.11.2016 / Drawing Hall – Mechanical Engineering**

**Programme Description:**

- Dr.P.Shanmughasundram, Professor and Head, Department of Mechanical Engineering, Karpagam University inaugurated the programme.
- Principles of Engineering Graphics, Drawing instruments, lettering, dimensioning & scales related topics was handled by Mr.G.Vignesh, Assistant Professor / Mechanical / KU on Day 1 (07.11.2016).
- Day 2 and Day 3 (08.11.2016 and 09.11.2016) sessions was handled by Mr.P.Raggupathi Assistant Professor / Mechanical / KAHE and the topics covered was Orthographic Projections, Free Hand Sketching and isometric projections respectively.
- Day 4 and Day 5 (10.11.2016 and 11.11.2016), Mr.M.Prakash, Assistant Professor / Mechanical / KU handled with the topic of Sections of solids and development of surfaces respectively. .
- Introduction to computer graphics was handled by Mr.G.Vignesh, Assistant Professor / Mechanical / KU on Day 6 (12.11.2016) with the help of computers and drafting software
- Last session was feedback and valedictory. The vote of thanks was given by Mr.P.Ragupathi



Introduction to computer graphics session taken on 12.11.2016



**KARPAGAM UNIVERSITY**  
(Established Under Section 3 of UGC Act, 1956)  
Eachanari Post, Coimbatore-641021. Tamilnadu, India.  
**FACULTY OF ENGINEERING**  
**DEPARTMENT OF MECHANICAL ENGINEERING**

**A Joint Programme of  
Center for Human Resource Development  
and  
Department of Mechanical Engineering**

**Training Programme on “Introduction to Engineering Graphics” - 07<sup>th</sup> to 12<sup>th</sup> November -2016  
(For Non Teaching Staff)**

**LIST OF PARTICIPANTS**

<b>Sl. No</b>	<b>Name of the Participant</b>	<b>Designation</b>
1.	Mr.R.Ragavan	Lab Technician
2.	Mr.S.Naveenkumar	Lab Technician
3.	Mr.R.Prabu	Lab Technician
4.	Mr.J.Vijayashankar	Lab Technician

Seven Days PDP on

**'Instrumentation Techniques'**

**November - 2016  
(07.11.2016 -14.11.2016)**

**ORGANIZING COMMITTEE**

**PATRONS**

**Dr. S. SUDALAI MUTHU  
VICE-CHANCELLOR  
Karpagam University**

**Dr. G. Sekar  
Registrar**

**Dr. M. Palanisamy  
Dean- FASH**

**CONVENER  
Dr. S. Ravi  
Head of the Department,  
Department of Chemistry,  
Karpagam University.**

**ORGANIZING SECRETARY**

**Dr. A. Thangamani**  
Assistant Professor, Department of Chemistry  
Karpagam University

**CO-ORDINATOR**

**Dr. K. Sundaram**  
AP, Department of Chemistry,  
Karpagam University,

For Enquiries contact:  
Cell: 9677176142, 8903500032  
kahetrib@gmail.com

**INVITED SPEAKERS**

**Dr. K. P. Elango  
Professor,  
Department of Chemistry,  
The Gandhigram Rural Institute (Deemed to  
be University)**

**Dr. S. Murugesan,  
Professor, Department of Chemistry,  
Scholl of Chemistry,  
Madurai Kamaraj University,  
Madurai**

**Dr. C. Joseph Kennady,  
Professor, Department of Chemistry,  
Karunya Institute of technology and sciences,  
Coimbatore**

**Dr. V. Raj,  
Professor and Head  
Department of Chemistry,  
Periyar University.**



Seven Days PDP on

**'Instrumentation Techniques'**

**November - 2016  
(07.11.2016-14.11.2016)**

**A Joint Programme of Centre For  
Human Resource and Development  
&  
Department of Chemistry**



**KARPAGAM UNIVERSITY**  
( Established Under Section 3 of UGC Act 1956)  
Pollachi Main Road, Eachanari Post,  
Coimbatore – 641 021. INDIA  
Phone : 0422-6471113-5, 6453777 Fax No : 0422 -  
2980022-3  
Email : [info@karpagam.com](mailto:info@karpagam.com) Web : [www.kahedu.edu.in](http://www.kahedu.edu.in)



**KARPAGAM UNIVERSITY**  
**(Established Under Section 3 of UGC Act, 1956)**

Coimbatore – 641 021

**A JOINT PROGRAMME OF CENTRE FOR HUMAN RESOURCE  
DEVELOPMENT &  
DEPARTMENT OF CHEMISTRY**

**Report on the Professional Development Programme on “Instrumentation Techniques”  
conducted between 07-11-16 to 14-11-2016**

A Professional Development Programme on “Instrumentation Techniques” conducted between 07-11-16 to 14-11-2016 for the Faculty members of Department of Chemistry. About 13 faculty members attended the programme.

This course aims to provide opportunities to faculty members to enrich their technical knowledge in the field of instrumentations and its calculations. The Programme also intends to develop the knowledge of the participants in the relevant field for inculcating learning values in students. The Programme also intends to develop the culture in participants for motivation the relevant field for inculcating learning values in students and guiding and monitoring their progress.

All the sessions were very much informative. The discussed areas are of great benefit for the participants as the topics match with the academic curriculum. Participants were enlightened with the most widely used advance strategies in instrumentation techniques. This in turn will help in motivating participants as well as students & student’s placement opportunity.

All participants received certificate. The program was ended with vote of thanks by Dr. M. R. Ezhilarasi.



**Dr.S. Ravi, Head of the department delivered the introduction on "Instrumentation Techniques"**

*S.Ravi*





**KARPAGAM UNIVERSITY**  
**(Established Under Section 3 of UGC Act,1956)**

Coimbatore – 641 021

**A JOINT PROGRAMME OF CENTRE FOR HUMAN RESOURCE DEVELOPMENT  
&  
DEPARTMENT OF CHEMISTRY**

Professional Development Programme on “**Instrumentation techniques**”

**Date:** From 07-11-16 to 14-11-16

**Venue:** Department of Chemistry

**Name list**

<b>S.No</b>	<b>Faculty Name</b>	<b>Designation</b>
1	Dr.S.Ravi	Prof. & Head
2	Mrs.R.Sharmila Devi	Assistant Professor
3	Dr.A.Thangamani	Assistant Professor
4	Dr.M.R.Ezhilarasi	Assistant Professor/ Exam Cell Coordinator
5	Dr.K.Sundaram	Assistant Professor
6	Dr.M.Makeswari	Assistant Professor
7	Ms.B.Prabha	Assistant Professor
8	Mr.R.Kumar	Assistant Professor
9	Mrs.H.Revathi	Assistant Professor
10	Mr.M.Dinesh Kumar	Assistant Professor
11	Dr.M.Surendiran	Assistant Professor
12	Mr.M.Gopalakrishnan	Assistant Professor

## ORGANIZING COMMITTEE

### Chief Patron

**Dr.S.Sudalaimuthu**

*Vice Chancellor*

*Karpagam Academy of Higher Education*

### Patrons

**Dr.R.Sundararajan**

*Registrar*

*Karpagam Academy of Higher Education*

**Dr.G. K. D.Prasanna Venkatesan**

*Dean*

*Faculty of Engineering*

*Karpagam Academy of Higher Education*

### Convenor

**Dr.S.Bhavani**

*Head of the Department*

*Department of Electronics and communication Engg*

*Faculty of Engineering*

*Karpagam Academy of Higher Education*

Organizing Secretary

**Dr.S.Kamalraj/Associate Professor**

*Department of Electronics & Communication Engg*

*Faculty of Engineering*

*Karpagam Academy of Higher Education*

*Mail: [kamalraj.s@kahedu.edu.in](mailto:kamalraj.s@kahedu.edu.in)*

*Contact No: +91 9894659690*

Organizing Team Members

Mr.J.Shafiq Mansoor, AP/ECE/KAHE

Mr.M.Darani Kumar, AP/ECE/KAHE

Mr.T.S. Aravinth, AP/ECE/KAHE

### Topics to be Covered:

#### DAY 1:

- Introduction to LaTeX
- Math symbols and Table creation

Speaker: Dr. M. Jayasanthi, Associate Professor,  
PSG Institute of Technology and Applied  
Research, coimbatore

#### DAY 2:

- Article and Thesis Writing
- Presentation using LaTeX

Speaker: Dr. P. Karthigaikumar Professor / Dean –  
Academic / HoD, ECE,  
karpagam college of engineering,  
coimbatore

#### DAY 3:

- Plotting and Visualizing Data

Speaker: Dr. Tamilselvan, Associate Professor, ECE,  
KPR Institute of Engineering and Technology,  
Arasur

#### DAY 4:

- MATLAB as a Computational Tool

Speaker: Dr. Ramalatha Marimuthu, Prof, ECE  
Kumaraguru college of Technology, cbe

#### DAY 5:

- Linear Algebra and Basics of Calculus

Speaker: Dr. P. T. Vanathi Associate Professor,  
PSG College of Technology, coimbatore

#### DAY 6 :

- Solving Ordinary Differential Equations

Speaker: Dr. G. Umamaheswari,  
Assistant Professor (Sr.Gr.),  
PSG College of Technology, coimbatore

#### DAY 7 :

- Phase Portraits

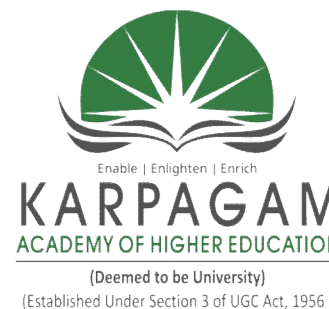
Speaker: Dr. T. Kesavamurthi,  
Associate Professor,  
PSG College of Technology, Coimbatore

**Venue: DSP Laboratory.**

## KARPAGAM ACADEMY OF HIGHER EDUCATION

(Deemed to be University)

Established Under Section 3 of UGC Act, 1956



A Joint Programme of  
Centre for Human Resource Development  
and  
Department of Electronics & Communication  
Engineering

Organizes  
Seven Days PDP  
on  
**"Application of LATEX and MATLAB  
in Engineering"**  
on  
05.11.2016 to 11.11.2016

## **FACULTY OF ENGINEERING**

### **A JOINT PROGRAMME OF CENTRE FOR HUMAN RESOURCE DEVELOPMENT AND DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING**

Report of Seven Days PDP on "**Application of LATEX and MATLAB in Engineering**" held on 05.11.2016 to 11.11.2016, organized By Department of Electronics & Communication Engineering, KAHE.

LaTeX is the principal standard typesetting package for producing professional-quality Articles, Thesis, Books, Power Point Presentation (beamer), and other structured documents which involves mathematical symbols and equations, but can be used for any document in general.

LaTeX provides a facility for pdf output which is platform independent and can be shared with other people who do not have LaTeX installed. This training is designed to instruct delegates on the principles of using LaTeX to design their own documents and presentations for a wide range of purposes.

On the other hand, MATLAB can be used as a computing tool for several real world applications. With the advent of novel Computational and Mathematical Methods, Scientists and Engineers working in diversified research fields get the confidence to solve challenging physical problems that they encounter in several disciplines. The MATLAB part of the workshop starts with introductory MATLAB tutorials followed by sessions on Linear Algebra, Data visualization, Calculus and ODE solver.

#### **Topics Covered**

##### **Hands-on Session in LaTeX**

- Introduction to LaTeX
- Math symbols and Table creation

**A Joint Programme of Centre for Human Resource Development  
and  
Department of Electronics & Communication Engineering**

Glimpses of Seven Days PDP on "**Application of LATEX and MATLAB in Engineering**" held on 05.11.2016 to 11. 11.2016



Article and Thesis Writing, Presentation using LaTeX sessions handled by Dr.P. Karthigaikumar Professor  
Dean – Academic / HoD, ECE, karpagam college of engineering, Coimbatore on 6.11.2016





Dr. M. Jayasanthi, Associate Professor, PSG Institute of Technology and Applied Research, Coimbatore  
Handling session on Introduction to LaTeX held on 5.11.2016 (FN)



Dr. M. Jayasanthi, Associate Professor, PSG Institute of Technology and Applied Research, Coimbatore





Dr.Ramalatha Marimuthu,Prof, ECE  
Computational Tool on 8.11.2016

Kumaraguru college of Technology,cbe,ON MATLAB as a

**A Joint Programme of  
Centre for Human Resource Development  
and  
Department of Electronics & Communication Engineering**

**Seven Days PDP on “Application of LATEX and MATLAB in Engineering” held from  
05.11.2016-11.11.2016**

**LIST OF PARTICIPANTS**

S.No.	NAME	DESIGNATION	DEPARTMENT
1	Dr. S. Bhavani	Professor & Head	Faculty of Engineering, KAHE
2	Dr. P. Manimegalai	Professor	Faculty of Engineering, KAHE
3	Dr. Kamalraj Subramaniam	Associate Professor	Faculty of Engineering, KAHE
4	G.R. Mahendra Babu	Assistant Professor	Faculty of Engineering, KAHE
5	K.P. Sridhar	Assistant Professor	Faculty of Engineering, KAHE
6	M. Darani Kumar	Assistant Professor	Faculty of Engineering, KAHE
7	A. Jerome Christhudass	Assistant Professor	Faculty of Engineering, KAHE
8	M. Mathi Vijay	Assistant Professor	Faculty of Engineering, KAHE
9	T.S. Aravinth	Lecturer	Faculty of Engineering, KAHE
10	J. Shafiq Mansoor	Lecturer	Faculty of Engineering, KAHE
11	N. Kaleeswari	Assistant Professor	Faculty of Engineering, KAHE
12	G. Rajarathinam	Assistant Professor	Faculty of Engineering, KAHE

## **ORGANIZING COMMITTEE**

### **Chief Patron**

**Dr. S. SUBARAMANIAN**

Vice Chancellor, Karpagam Academy of  
Higher Education


### **Patron**

**Dr. G. SEKAR,**


Registrar, Karpagam Academy of  
Higher Education

**Dr. R. Sundararajan,** Dean, Faculty  
of Engineering, KAHE

### **Convenor**

 **Dr. P. T. Hemamalini,**  
Head of the Department/S&H, FOE  
Karpagam Academy of Higher Education

### **Organizing Secretary**

 **Dr. A. Kathiresan,** Professor, FOE,  
Karpagam Academy of Higher Education

### **Organizing Team Members**

**Dr. K. Shankar.**

Assistant Professor, FOE, KAHE.

**Dr. P. Muthukrishnan**

Assistant Professor, FOE, KAHE

**Ms. S. Hemalatha**

Assistant Professor, FOE, KAHE

## **PROGRAMME SCHEDULE**

Inauguration 9.30 am - 10.30 am

### **DAY I**

**Session:** 11.00 am - 04.30 pm

**Topic :** Domestic water quality  
parameters

**Speaker :** Dr. B. Jeyagowri, Hindusthan  
College of Engineering and Technology

### **DAY II**

**Session:** 10.00 Am - 4.30 Pm

**Topic :** Industrial water quality  
parameters

**Speaker:** Dr. A. Manimaran, Kongunadu  
College of Arts and Science

### **DAY III**

**Session:** 10.00 Am - 4.30 Pm

**Topic :** Boiler Feed Water

**Speaker:** Dr. V. Kandavelu, SriShakthi Institute  
of Engineering and Technology

### **DAY IV**

**Session:** 10.00 Am - 4.30 Pm

**Topic :** Domestic water  
Treatment

**Speaker:** Dr. A. Jesu, SCAD Institute  
of Technology

### **DAY V**

**Session:** 10.00 Am - 4.30 Pm

**Topic :** Water quality parameters  
measurement

**Speaker:** Dr. D. KalaiSelvi, SriShakthi Institute  
of Engineering and Technology

### **DAY VI**

**Session:** 10.00 Am - 4.30 Pm

**Topic :** Water Supply and Management  
**Speaker:** Dr. G. Latha, PSG Institute of  
Advanced Studies

### **DAY VII**

**Session:** 10.00 Am - 4.30 Pm

**Topic :** Waste water Treatment

**Speaker:** Dr. N. Nalini, Sri Krishna College of  
Technology



**KARPAGAM ACADEMY OF**

**HIGHER EDUCATION**

**A Joint Programme of  
Center for Human Resource Development  
and  
Department of Science and  
Humanities**

**Professional Development  
Programme**

**on  
Water Technology**

**01<sup>st</sup> Nov 2016 to 10<sup>th</sup> Nov 2016**

**Organized by**  
Department of Science and Humanities

**Venue : UM 213**

**A JOINT PROGRAMME OF CENTRE FOR HUMAN RESOURCE DEVELOPMENT AND  
DEPARTMENT OF SCIENCE AND HUMANITIES**

**Report on Professional Development Programme on “Water Technology”**

**Area: Water Technology**

**Date: 01.11.2016 to 10.11.2016**

**Venue: UM 213**

**FDP SUMMARY**

**Importance of Water Technology**

Water is very important for human being and other living things. In human body, more than 70% are fluid such as blood and all these fluid are basically formed by water. Bone marrow needs water to generate blood then blood carries the oxygen from lung to whole body. Besides that, water can maintain human's body temperature and provide natural material with mineral. Water is not only essential for human body, it is also playing an important role in our daily life activities, examples like washing clothes and food, bathing for personal hygiene and acting as solvent for all cleaning reagent. Consequently, water industries refer to a problem solver in this situation.

First of all, water industries are divided into three major types which are water purification, wastewater treatment and also the new type called desalination. For the water purification means purifying water to become the drinking water. Although natural water is drinkable for human but without any purification or method of killing germ, the natural water is harmful for human being nowadays. Purified water and natural water seems like no different when we look at it but sometimes we still smell the different, natural water might have some pungent smell. Natural water consists of a lot microorganism and bacteria inside it, just we can't observe it with our naked eyes. In addition, water pollution is getting serious thus purification is necessary to ensure the drinking water is clean and not harmful to our health.

After that, another type of water industry which is very vital for the Mother of Nature is the wastewater treatment industry. Wastewater treatment refers to the processes of controlling the wastewater on Earth; this is the most important method to solve the water pollution. Wastewater is directing to the chemical wastewater from factories, wastewater from household and some water from polluted river or lake. The usage of wastewater treatment is to killing the germ/bacteria in the wastewater; remove solid impurities and odor smell. Irresponsible human behavior will make the wastewater treatment become more essential for the world.

**Need for the Topic**

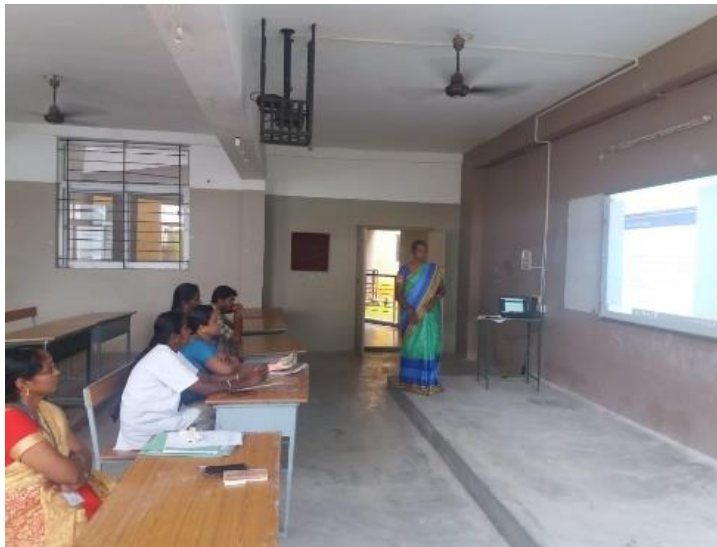
Water has the capacity to cleanse itself. Contaminants are removed from water during biological processes. When water settles onto the ground, ground layers will cause filtration to occur. Contaminants are broken down, or will stay behind in the ground layer. The self-cleansing capacity of water is not strong enough to produce clean drinking water. This is a consequence of the quantity and variety of industrial and agricultural contaminants that have entered surface and groundwater for many decades.

In the 1970's it was discovered that industrial discharges and waste water discharges were the cause of water contamination. Immediately after this discovery measures were taken to prevent water pollution. Waste water must meet legal standard before it can be discharged. To meet the standards water is purified before it is discharged.

Despite of these measures water often still needs treatment before it is suitable for use as drinking water. During water purification waste water is treated to become drinking water which meets legal standards in the physical, bacteriological and chemical area. The water may not contain an odour or flavour, and it should be bright and chemically stable (non-corrosive). The kind of treatment water needs, strongly depends upon the composition and quality of the water. Water treatment contains two process steps: physical removal of solid particles, mainly minerals and organic matter and chemical disinfection; killing or deactivating microorganisms in water.

### Key Points Discussed

- Water Quality Parameters for the domestic use and industrial use
- The ill effect if using hard water in boiler
- Domestic water treatment
- Methods of treating waste water from the domestic and industries
- Water supply and water management



Water Quality Parameters for the domestic use by Dr. B. Jeyagowri





**KARPAGAM ACADEMY OF HIGHER EDUCATION**  
(Deemed to be University Established Under Section 3 of UGC Act 1956)  
COIMBATORE-641 021  
**DEPARTMENT OF SCIENCE AND HUMANITIES**

**A Joint Programme of Center for Human Resource Development and  
Department of Science and Humanities**

**Professional Development Programme on  
Water Technology List of Participants**

S.NO.	NAME OF THE FACULTY	DEPARTMENT
1.	Dr.P.T.Hemamalini	Mathematics
2.	M.Deivanayaki	Mathematics
3.	P.Karpagam	Mathematics
4.	Dr. M. Rajeswari	Mathematics
5.	M.D. Chitra	Mathematics
6.	M. Kokilamani	Mathematics
7.	B. Deepa	Mathematics
8.	B. Arun	Mathematics
9.	V. Vijayalakshmi	Mathematics
10.	Dr. A. Arunkumar	Mathematics
11.	N. Vishnu Ganesh	Mathematics
12.	R. Jagatheeshwari	Mathematics
13.	P. Loganayaki	Mathematics
14.	Dr. D. Deepa Caroline	English
15.	C. Kavitha	English
16.	V. Vinothini	English
17.	A. Anisha Fathima	English
18.	A. Muthukannan	English
19.	S. Ramamoorthy	Physics
20.	B. R. Sathiya	Physics
21.	P.M. Ponnusamy	Physics
22.	R. Jothimurugan	Physics

23.	G. Gomathi	Physics
24.	M. Padmasheela	Physics
25.	S. Bhuvaneswari	Physics
26.	D. Shanmugapriya	Physics
27.	Dr. A. Kathiresan	Chemistry
28.	Dr. K. Shankar	Chemistry
29.	S. Hemalatha	Chemistry
30.	Dr. P. Muthukrishnan	Chemistry
31.	Dr. A. Parthiban	Chemistry

**A Joint Programme Of  
Centre For Human Resource  
Development  
&  
Department of Management**  
Invites you for  
**PROFESSIONAL DEVELOPMENT  
PROGRAMME ON RESEARCH  
METHODS AND QUALITY RESEARCH**  
**24.10.2016 - 30.10.2016**



**Chief Patron**

*Vice Chancellor  
KAHE*

**Patron**

*Registrar  
KAHE*

*Dean  
FASH  
KAHE*

**Convenor :**

**Dr.M.Ashok kumar  
KAHE**

**Coordinators:**

**Dr. C.Shangunthala  
KAHE  
Dr. A. Martin jayaraj  
KAHE**

Schedule for Professional Development Programme

Date	Topic	Resource Person
24.10.2016	Research Process & Research Ethics	Dr. Shilpa Gopal, Associate professor, NIT - Trichy
25.10.2016	Preparation of Research Report & Research funding Agencies	Dr . V. Mohanasumdaram Professor, PSG arts and science college, Coimbatore.

26.10.2016	Basic Research, Variables, Scales &	Dr . V. Mohanasumdaram Professor, PSG arts and science college, Coimbatore.
27.10.2016	Creation of Data Sheet & Data filter	Dr. Shantha mani, Professor, Vels Deemed university, Chennai
28.10.2016	Parametric Tests & Non Parametric tests	Dr. R. Jaga Jeevan Assistant Professor PSG IM Coimbatore
29.10.2016	Univariate & Bi variate Analysis	Dr. P.R Muthuswamy, Dean, Principal Dr. NGP Arts & Sceience college, Coimbatore-48
30.10.2016	Multivariate analysis & Cluster Analysis	Dr.Susan Abraham, Professor, PSGR Krishnammal college for women, coimbatore -4

## Report - PROFESSIONAL DEVELOPMENT PROGRAMME ON RESEARCH METHODS AND QUALITY RESEARCH -

24.10.2016 - 30.10.2016

### Day 1:

Date	Session	Topic	Resource Person
24.10.2016	FN&AN	Research Process & Research Ethics	Dr. Shilpa Gopal, Associate professor, NIT - Trichy

Resource person: Dr. Shilpa Gopal, Associate professor, NIT - Trichy. The Professional development Program started at 9:30 am on 24.10.2016 in Thiruvalluvar Hall with the Welcome address by Dr. A. Ashok kumar, Professor & Head, Department of Management, KU. Firstly, the Resource person Stressed on Research Process and Ethics in research. She also explained on process involved in research and ethics of research methods in detail.

### Day 2:

Date	Session	Topic	Resource Person
25.10.2016	FN&AN	Preparation of Research Report & Research funding Agencies	Dr . V. Mohanasumdaram Professor, PSG arts and science college, Coimbatore.

Resource person: Dr . V. Mohanasumdaram, Professor, PSG arts and science college, Coimbatore. On the second day of the program, resource person has explained, how to prepare to research report in detail. He also explained funding agencies which provides grants for various research.

### Day 3:

Date	Session	Topic	Resource Person
26.10.2016	FN&AN	Basic Research, Variables, Scales &	Dr . V. Mohanasumdaram Professor, PSG arts and science college, Coimbatore.

Resource person: Dr . V. Mohanasumdaram, Professor, PSG arts and science college, Coimbatore. Day three of the Professional development Program started at 9:30 am on 26.10.2015. The resource person had started the session on the basics of research. Resource person emphasized on variables of research. Resource person also explained on scales used for research.

## Day 4:

Date	Session	Topic	Resource Person
27.10.2016	FN&AN	Creation of Data Sheet & Data filter	Dr. Shantha mani, Professor, Vels Deemed university, Chennai

Resource person: Dr. Shantha mani, Professor, Vels Deemed university, Chennai. Day four of the Professional development Program started at 9:30 am on 27.10.2016, the resource person on the fourth day of the program was elaborated on the topics of Creation of data sheet and how to filter data from the raw data.

## Day 5:

Date	Session	Topic	Resource Person
28.10.2016	FN&AN	Parametric Tests & Non Parametric tests	Dr. R. Jaga Jeevan Assistant Professor PSG IM Coimbatore

Resource person: Dr. R. Jaga Jeevan, Assistant Professor, PSG IM, Coimbatore. Day five of the Professional development Program begun at 9:30 am on 28.10.2016 at MBA computer Lab, the resource person gave lecture on Parametric Tests & Non-Parametric tests. Participants of program were given hands on experience of parametric methods and Non parametric methods by using Statistical package.

## Day 6:

Date	Session	Topic	Resource Person
29.10.2016	FN&AN	Univariate & Bi variate Analysis	Dr. P.R Muthuswamy, Dean, Principal Dr. NGP Arts & Science college, Coimbatore-48

Resource person: Dr. P.R Muthuswamy, Dean, Principal Dr. NGP Arts & Science college, Coimbatore-48. On day six the resource person covered on Univariate & Bi variate Analysis. He explained the methods in univariate analysis in detail and the also explained how to infer the results of the Univariate and bi variate analysis with the Practical explanation.



## Day 7:

Date	Session	Topic	Resource Person
30.10.2016	FN&AN	Multivariate analysis & Cluster Analysis	Dr.Susan Abraham, Professor, PSGR Krishnammal college for women, coimbatore -4

Resource person: Dr.Susan Abraham, Professor, PSGR Krishnammal college for women, coimbatore -4. Final day of the Professional development Program started at 9:30 am in MBA computer lab. The resource person addressed on the Multivariate analysis & Cluster Analysis. Resource person explained on how to use cluster analysis and factor analysis for the research problems and also gave practical sessions on these research tools. Finally, the program ended with the vote of thanks by Dr. A. Martin jayaraj, Assistant Professor, Department of management.

## PHOTO



## PROFESSIONAL DEVELOPMENT PROGRAMME ON RESEARCH METHODS AND QUALITY RESEARCH

Dr. P.R Muthuswamy, Dean, Principal Dr. NGP Arts & Science college, Coimbatore

## of Professional Development Program

Date	Session	Topic	Resource Person
24.10.2016	FN&AN	Research Process & Research Ethics	Dr. Shilpa Gopal, Associate professor, NIT - Trichy
25.10.2016	FN&AN	Preparation of Research Report & Research funding Agencies	Dr . V. Mohanasumdaram Professor, PSG arts and science college, Coimbatore.
26.10.2016	FN&AN	Basic Research, Variables, Scales &	Dr . V. Mohanasumdaram Professor, PSG arts and science college, Coimbatore.
27.10.2016	FN&AN	Creation of Data Sheet & Data filter	Dr. Shantha mani, Professor, Vels Deemed university, Chennai
28.10.2016	FN&AN	Parametric Tests & Non Parametric tests	Dr. R. Jaga Jeevan Assistant Professor PSG IM Coimbatore
29.10.2016	FN&AN	Univariate & Bi variate Analysis	Dr. P.R Muthuswamy, Dean, Principal Dr. NGP Arts & Sceience college, Coimbatore-48
30.10.2016	FN&AN	Multivariate analysis & Cluster Analysis	Dr.Susan Abraham, Professor, PSGR Krishnammal college for women, coimbatore -4

**A JOINT PROGRAMME OF**

**CENTRE FOR HUMAN RESOURCE DEVELOPMENT**

**AND**

**DEPARTMENT OF MANAGEMENT STUDIES AND RESEARCH**

**PROFESSIONAL DEVELOPMENT PROGRAM ON "RESEARCH METHODS AND QUALITY RESEARCH"**

**List of Participants**

**Date:** 24.10.2016 - 30.10.2016

S.NO	Name of the Staff	Designation
1.	Dr M Ashok Kumar	Head of the Department
2.	Dr. M. Nandhini	Assistant Professor
3.	Dr. R. Karthikeyan	Assistant Professor
4.	Dr. V. Krishnaveni	Assistant Professor
5.	Dr. A. Dharmaraj	Assistant Professor
6.	Dr. M. Usha	Assistant Professor
7.	Ms. C. Sagunthala	Assistant Professor
8.	Mr. A. Martin Jayaraj	Assistant Professor
9.	Mrs. G. Sumathi	Assistant Professor
10.	Lt.S.Saranya	Assistant Professor
11.	Mr. G. Hariharan	Assistant Professor
12.	Mrs. P. Sathiyabama	Assistant Professor

13.	Mr. V. Gowrishankkar	Assistant Professor
14.	Mr. S. Nagarajan	Assistant Professor

## ORGANIZING COMMITTEE

### CHIEF PATRON

Dr.S.Sudalaimuthu  
Vice Chancellor

### PATRON

Dr.S.Sundarrajan  
Registrar

M.Palaniswamy  
Dean, FASH

### CONVENOR

Dr. S. Veni  
Professor and Head

### ORGANIZING SECRETARY

Dr. E. J. Thomson Fredrik  
Associate Professor  
Department of Computer Applications

### COMMITTEE MEMBERS

Dr. X. Agnise Kala Rani, Associate Professor  
G.Anitha, Assistant Professor  
M.Mohan Kumar, Assistant Professor  
S. Joyce, Assistant Professor  
Dr. D.Shanmuga Priyaa, Assistant Professor  
K. Thilakavalli, Assistant Professor  
S.A. Sathya Prabha, Assistant Professor  
D. Sampath Kumar, Assistant Professor

## Resource Persons

### Dr.R.Rajesh

Associate Professor and Head  
Department of Computer Science  
Central University of Kerala, Kasaragod

### Dr. M.Thangaraj

Professor and Head  
Department of Education  
Bharathiar University, Coimbatore

### Programme schedule

---

Date : 24.10.2016 to 27.10.2016  
Topic : Introduction to Cloud Computing with  
respect to Company Standards

### Keynote Address

Dr.R.Rajesh  
Associate Professor and Head

---

Date : 28.10.2016 to 31.10.2016  
Topic : Cloud Computing and its research  
issues

### Keynote Address

Dr. M.Thangaraj  
Professor and Head

## Short term Course on Cloud Computing and its Services

24.10.2016 to 31.10.2016



A Joint Programme of  
CENTRE OF HUMAN RESOURCE DEVELOPMENT

&

DEPARTMENT OF CS, CA & IT

KARPAGAM ACADEMY OF HIGHER EDUCATION

(Deemed to be University)

(Established Under Section 3 of UGC Act 1956)

Pollachi Main Road, Eachanari Post,  
Coimbatore-641 021 Tamil Nadu, India.

Phone: 0422-2980011-14

Fax: 0422-2980022, 2980023

Email: info@kahedu.edu.in

Web: www.kahedu.edu.in



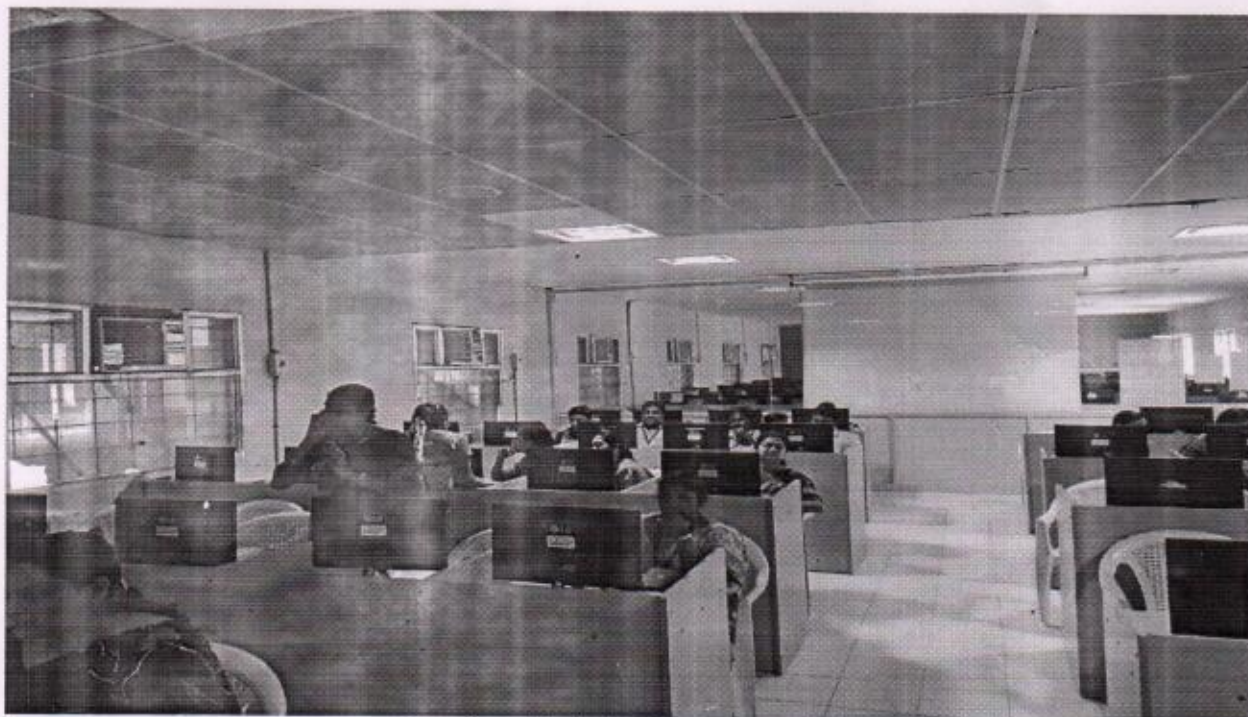


## Report

### Short Term Course on Cloud Computing and its Services

Department of Computer Science, Applications & Information Technology organized Short Term Course on "Cloud Computing and its Services" from 24.10.2016 to 31.10.2016. The faculty members of FASH, FOE department have participated in this program. The resource person, Dr.R.Rajesh, Associate Professor and Head, Department of Computer Science, Central University of Kerala gave lecture on Introduction to Cloud Computing, SaaS, PaaS, IaaS models and Introduction to Amazon Web Services from 24.10.2016 to 27.10.2016. The Resource person Dr.M.Thangaraj, Professor and Head, Department of Head, Department of Education, Bharathiar University, Coimbatore, gave lecture and Hands on training on Developing Applications on AWS - Static sites using S3, Cloud front, Secure Certificate, Developing Applications on AWS - Dynamic sites using EC2, RDS and Introduction to advanced Cloud Computing Features - Serverless Architecture, API Gateway, Cognito etc., during 28.10.2016 to 31.10.2016

The program was very useful for the faculty members as well as the researchers those who are doing research in various domain like Cloud Computing, Distributed Computing, Data Analytics etc.,.



Hands on Training by Dr.R.Rajesh

31/10/16  
(HWS)

### List of Participants

S.No	Name of the Faculty
1.	Dr.S.Karthikeyan
2.	Dr. S.Veni
3.	Dr. S.Manjupriya
4.	D. Sampath Kumar
5.	A.Jeevarathinam
6.	K.Banuroopa
7.	M.Mohan Kumar
8.	K.Kathirvel
9.	P.Tamil Selvan
10.	J. Hema Gowri
11.	S. Joyce
12.	S.A. Sathya Prabha
13.	D. Manjula
14.	B. Pushpalatha
15.	L.S. Sindhuja
16.	K. Yuvaraj
17.	C. Willson Joseph
18.	M. Roopa
19.	Dr. X. Agnise Kala Rani
20.	Dr. S. Sheeja
21.	Dr. E. J. Thomson Fredrik
22.	R.Naveen Kumar
23.	G.Anitha
24.	T. Rubya
25.	K. Kalaiselvi
26.	P. Amala
27.	P.Nagarajan
28.	Dr. A.Edwin Robert
29.	K. Veerasamy
30.	S. Punitha
31.	U. Prathibha
32.	J. Ramyabharathi
33.	S. Jeevitha
34.	P. Mythili
35.	R. Jeevitha
36.	K. Thilakavalli
37.	V. Sathya
38.	Dr. R.Gunasundari
39.	Dr. D.Shanmuga Priyaa
40.	Dr. M. Anand Kumar
41.	G.Manivasagam
42.	S. Kowsalya
43.	B.Bharathi
44.	K. Kiruthika
45.	D. Banupriya
46.	N. Abirami
47.	R. Parimala

## **ADVISORY COMMITTEE**

### **CHIEF PATRON**

**Dr.S.SUDALAIMUTHU**

*Vice-Chancellor*

### **PATRON**

✚ **Dr.G.Sekar ,**

Registrar, Karpagam Academy of  
Higher Education

✚ **Dr.Lakshmanan ,**

Dean, Faculty of Engineering, KAHE

### **CONVENOR**

**Dr.N.Balasundaram**

Professor & Head  
Department of Civil Engineering

**Dr.M.Natarajan**

Professor  
Department of Civil Engineering

### **ORGANIZING SECRETARY**

**Mr.V.Johnpaul.**

Assistant Professor,  
Civil Engineering Department

### **COMMITTEE MEMBERS**

- Dr.Pa.Ganeshwaran, Professor / Civil
- Dr.G.R.Vijayashankar, AP / Civil
- Mrs.M.Vidhya, AP/Civil
- Ms.S.M.Leela Bharathi, AP/Civil
- Ms.R.Sindhu, AP/Civil
- Mr.M.Sumesh, AP/Civil
- Ms. P.Preethi, AP/Civil

## **RESOURCE PERSONS**

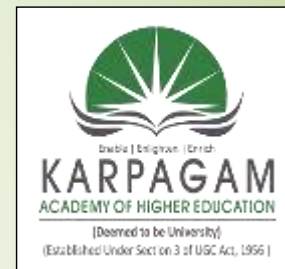
- **Dr.J. Shankar,**  
Consulting Engineer, Surrya Builders, Salem
- **Dr. M. Ravichandran,**  
Executive Engineer, TNPCB, Karur
- **Er. Shivalingam,**  
Civil Engineer, PWD (Water resource),  
Coimbatore
- **Dr. E.D.Vishwanathan,**  
Consulting Engineer, Salem
- **Dr. N. Kumar,**  
Executive Engineer, Horticulture Department,  
Ooty

### **ABOUT THE PROGRAM**

The Quantity Surveying means calculating the quantity of materials such as total volume of concrete, total weight of reinforcement bars, total area to be finished. Estimating deals with predicting the amount required for constructing such as cost of materials, labor costs .

### **TOPICS TO BE COVERED**

- Schedule 1: Fundamentals of Estimation
- Schedule 2: Estimation - Buildings
- Schedule 3: Estimation - Bridges
- Schedule 4: Estimation - slabs
- Schedule 5: Tenders
- Schedule 6: Contracts
- Schedule 7: Lease.



**A Joint Programme of  
Centre for Human Resource Development  
and  
Department of Civil Engineering**

**SHORT TERM COURSE  
On  
Estimation and Quantity Surveying  
from**

**24.10.2016 – 29.10.2016**

**Organized by  
Department of Civil Engineering  
Karpagam Academy of Higher Education  
(Deemed to be University)  
(Established Under Section 3 of UGC Act 1956)  
Pollachi Main Road, Eachanari Post,  
Coimbatore – 641 021.**

**Phone No: 0422-298001-14,  
Fax No : 0422-2980022, 2980023  
Email ID: info@kahedu.edu.in  
Web: www.kahedu.edu.in**

**A JOINT PROGRAMME OF  
CENTRE FOR HUMAN RESOURCE DEVELOPMENT  
AND  
DEPARTMENT OF CIVIL ENGINEERING  
REPORT**

**Short Term Course on Estimation and Quantity Surveying**

**Topic:** Estimation and Quantity Surveying

**Date:** 24.10.2016 to 19.10.2016

**Venue:** UM- 213

**FDP SUMMARY:**

**Need for the Topic**

Estimation and Quantity Surveying is the discussion topic chosen in real time all need of their own and the estimation to complete the work are required for the faculties which in turn will help them to enhance their skills to teach the students.

**Key Points Discussed:**

- Estimation
- Surveying
- contracts
- Quantity

**Session Outcome:**

At the end of the session the following outcomes were gained

1. To estimate materials quantities
2. Preparation of bill of quantities
3. Prepare tender documents
4. Prepare Value estimates





**SHORT TERM COURSE on Estimation and Quantity Surveying - 24.10.2016 – 29.10.2016**





**KARPAGAM ACADEMY OF HIGHER EDUCATION  
EACHANARI, COIMBATORE-21  
FACULTY OF ENGINEERING  
DEPARTMENT OF CIVIL ENGINEERING**

**Short Term Course on Estimation and Quantity surveying**

**List of participants.**

<b>S.No</b>	<b>Name of the Staff</b>	<b>Designation</b>
1.	Dr.N.Balasundram	Professor
2.	Dr.Natarajan M	Professor
3.	Dr.A.Kathiresan	Professor
4.	Dr.G.R.Vijayshankar	Assistant Professor
5.	Mr.V.Venugopalan	Assistant Professor
6.	Mr.A.Thangadurai	Assistant Professor
7.	Ms.S.Gobhiga	Assistant Professor
8.	Mrs.Rubini.K	Assistant Professor
9.	Mr. J.Jenin Rajasingh	Assistant Professor
10.	Mrs.E.Ezhilarasi	Assistant Professor
11.	Ms.B.Preethiwini	Assistant Professor
12.	Ms.S.M.Leela Bharathi	Assistant Professor
13.	Mr.V.John Paul	Assistant Professor
14.	Mr.Ramesh D	Assistant Professor
15.	Er. Velmurugan S	Assistant Professor
16.	Ms.M.Nandhini Chella Kavitha	Assistant Professor
17.	Ms.Nisha Devi A	Assistant Professor
18.	Ms. Sindhu. R	Assistant Professor
19.	Mrs.Vidhya M	Lecturer

## ORGANIZING COMMITTEE

### Chief Patron

**Dr.S.Sudalaimuthu**

Vice Chancellor

Karpagam University

### Dr. G. Sekar

Registrar

Karpagam University

### Patron

**Dr. R. Sundararajan**

Dean

Faculty of Engineering. KU

### Convenor

**Dr.P.Shanmughasundaram**

Professor & Head

Department of Mechanical Engg., KU

### Organizing Secretaries

**Mrs.D. B. Vennilaa**, AP/ Mech

**Mr.P.Arunkumar**, AP/ Mech

## Program Schedule:

Date	Topic	Resource Person
17.10.2016	Flexible Manufacturing System	<b>Dr.S.Prabakaran</b> Professor / Mechanical / KU
18.10.2016	Computer Aided Quality Control	<b>Dr.R.Sivaprakasam</b> Professor / Mechanical / KU
19.10.2016	CNC Machine Tools	<b>Mr.Milon D.Selvam</b> Assistant Professor / Mechanical / KU
20.10.2016	Automated Process Planning	<b>Mr.S.Balakumar</b> , Assistant Professor / Mechanical / KU
21.10.2016	Geometric Modelling Techniques	<b>Mr.N.Vimal Raj</b> Assistant Professor / Mechanical / KU
22.10.2016	CIM Database and management systems	<b>Mrs.D. B. Vennilaa</b> Assistant Professor / Mechanical / KU
24.10.2016	Robots in CIM	<b>Mr.P.Arunkumar</b> Assistant Professor / Mechanical / KU

## KARPAGAM UNIVERSITY



**A Joint Programme of  
Center for Human Resource Development  
and  
Department of Mechanical Engineering**

**Short Term Training Program  
on  
“CAD/CAM”**

**17<sup>th</sup> - 24<sup>th</sup> October 2016**

**Venue: Seminar Hall – Mechanical Engineering**

**Organized by**

**Department of Mechanical Engineering**

*Faculty of Engineering*

---

**A JOINT PROGRAMME OF  
CENTER FOR HUMAN RESOURCE DEVELOPMENT  
AND  
DEPARTMENT OF MECHANICAL ENGINEERING**

**Report on Short Term Training Programme on CAD / CAM**

**Date / Venue : 17.10.2016 to 24.10.2016 / UE – 308 (Mechanical Seminar Hall)**

**Programme Description:**

- Dr.R.Sundararajan, Dean – Faculty of Engineering, Karpagam University inaugurated the programme.
- Dr.P.Shanmugasundaram, Professor, Department of Mechanical Engineering delivered the welcome address.
- Flexible Manufacturing system topic was handled by Dr.S.Prabakaran, Professor / Mechanical / KU on Day 1 (17.10.2016).
- Day 2 (18.10.2016) session was handled by Dr.R.Sivaprakasam Professor / Mechanical / KU and the topic was Computer Aided Quality Control.
- Day 3 (19.10.2016), Mr.Milon D. Selvam Assistant Professor / Mechanical / KU handled with the topic of CNC Machine Tools.
- Automated Process Planning topic was handled by Mr.S.Balakumar, Assistant Professor / Mechanical / KU on Day 4 (20.10.2016).
- Day 5 (21.10.2016) was handled with the topic of Geometric Modelling Techniques by Mr.N.Vimal Raj, Assistant Professor / Mechanical / KU
- Day 6 (22.10.2016) was handled by Mrs.D. B. Vennilaa, Assistant Professor / Mechanical / KU and Day 7 (24.10.2016) was handled by Mr.P.Arunkumar, Assistant Professor / Mechanical / KU
- Last session was feedback and valedictory. The valedictory session was graced by Mr.P.Arunkumar, Assistant Professor, Department of Mechanical Engineering, KAHE.



**Training on CNC Turning Center – 22.10.2016**



**Training on All Geared High Speed Lathe – 24.10.2016**



**KARPAGAM UNIVERSITY**  
(Established Under Section 3 of UGC Act, 1956)  
Eachanari Post, Coimbatore-641021. Tamilnadu, India.  
**FACULTY OF ENGINEERING**  
**DEPARTMENT OF MECHANICAL ENGINEERING**

**A Joint Programme of  
Center for Human Resource Development  
and  
Department of Mechanical Engineering**

**Short Term Training Programon “CAD/CAM”-17<sup>th</sup> to 24<sup>th</sup>October -2016**

**LIST OF PARTICIPANTS**

<b>Sl. No</b>	<b>Name of the Participant</b>	<b>Designation</b>
1.	Mr.E. Viswanathan	Assistant Professor
2.	Mr.S.Aravind	Assistant Professor
3.	Mr.T. M. Karthikeyan	Assistant Professor
4.	Mr.K. Prasath	Assistant Professor
5.	Mr.A. P. Arunkumar	Assistant Professor
6.	Mr.P. Dhachinamoorthi	Assistant Professor
7.	Mr.G.Vignesh	Assistant Professor
8.	Mr.A.J.R.Nelson	Assistant Professor