

### 6.3.3. The Program Details with Brochures, Reports with Photographs and List of Participants for the academic year 2015-2016



**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  
Biosafety and Lab Maintenance for Non- Teaching  
Staffs**

**Date: 14.06.2016 -16.06.2016**

**Organizing Secretary  
Dr. B.V.Pradeep  
Prof & Head Department of Microbiology  
Karpagam University**

**Co Ordinator  
Dr. R. Usha**

For Enquiries contact:  
Mobile number: 9865068286  
Email: ushaanbu09@gmail.com

**SPEAKERS**

**Dr. M.Palaniswamy,  
Professor & Head  
Dept. of Microbiology  
Karpagam University**



**TRAINING PROGRAM  
ON  
BIOSAFETY AND LAB MAINTENANCE FOR  
NON-TEACHING STAFF  
JUNE (14.06.2016 -16.06.2016)**

**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**

**BIOSAFETY AND LAB MAINTANANCE**

**On 14<sup>TH</sup> – 16<sup>TH</sup> June, 2016at 9.30 am**

**at**

**MICROBIOLOGY LABORATORY**

**Dr.M.Palaniswamy**

**Professor & Head,**

**Dept. of Microbiologylogy,**

**Karpagam University**

## **Report on Biosafety and Lab maintenance Program**

**Held during 14<sup>th</sup> – 16<sup>th</sup> June, 2016**

A three-day training program on Biosafety and Lab Maintenance held during 14<sup>th</sup> – 16<sup>th</sup> June, 2016, at Department of Microbiology, Karpagam University. The training program provided participants with hazardous materials should be handled and disposed of in such a way that people, other living organisms, and the environment are protected from harm.



The major topics covered during essential to an effective institutional safety program is a safety coordinator supplying advice and recommendations, should see that records are kept showing whether the institution's physical facilities and safety rules are internally consistent and compatible with potential risks, as well as with both state and federal laws. The participants were mentored by the experts in the area of biochemical engineering. The resource person discussed routine work to be done in laboratory such as monitor current operations and practices, see that appropriate audits are maintained, and constantly seek ways to improve 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.

## Attendance report for Biosafety and Lab Maintenance

Held during 14<sup>th</sup>-16<sup>th</sup> June, 2016

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 : Types of IC Engine Emissions

Speaker: **Dr.R.Padmanaban,**

Professor, Department of Mechanical Engineering

Amrita Vishwa Vidyapeetham, Coimbatore

### DAY II

**Session:**10.00 Am - 4.30 Pm

Topic: Engine Emission Control Systems

Speaker: **Mr. S.Sivakumar**

ASP, Department of Automobile Engineering,

Kumaraguru College of Technology, Coimbatore

### DAY III

**Session:**10.00 Am - 4.30 Pm

Topic :Emissions Norms in India

Speaker: **Dr. S. Mohankumar**

ASP, Department of Automobile Engineering,

Kumaraguru College of Technology, Coimbatore

### DAY IV

**Session: 10.00 Am - 4.30 Pm**

Topic: How Exhaust Systems Works

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: Vehicle Pollution Detectors

Speaker: **Dr.K..Karthikeyan,**

Professor

Department of Mechanica Engineering,

Sri Ramakrishna Engineering College,

Coimbatore

### DAY VI

**Session: 10.00 Am - 4.30 Pm**

Topic: NVH Control Systems

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: Applications of Control Systems.

Speaker: **Dr.N.Mathan kumar**

S/O A.Nagarajan,

89. Municipal Colony,

Nehruji Nagar, RM 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 Short term course on “AUTOMOBILE POLLUTION AND NVH CONTROL”

**06<sup>th</sup> JUN 2016 to 13<sup>th</sup> JUN 2016**

### 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**  
**“ AUTOMOBILE POLLUTION AND NVH CONTROL ”**  
**From**  
**06.06.2016 to 13.06.2016**

This one-week Short Term Course (STC) was organized successfully with participation of faculty members. The STC addresses the various aspects of automobile pollution and NVH control 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.R.PADMANABAN**, Professor, Department of Mechanical Engineering , Amrita Vishwa Vidyapeetham,Coimbatore inaugurated the programme.

In his inaugural address, **Dr.R.PADMANABAN** 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 Short term course on  
“AUTOMOBILE POLLUTION AND NVH CONTROL”  
From  
06.06.2016 to 13.06.2016**

# 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**

**LIST OF PARTICIPANTS**  
**A JOINT PROGRAMME OF**  
**CENTRE FOR HUMAN RESOURCE DEVELOPMENT**  
**AND**  
**DEPARTMENT OF AUTOMOBILE ENGINEERING**  
**Seven Days Short term course on**  
**“AUTOMOBILE POLLUTION AND NVH CONTROL”**  
**From**  
**06.06.2016 to 13.06.2016**

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



**SHORT TERM COURSE  
ON  
FERMENTATION AND DOWN STREAM  
PROCESS**

**JUNE (06.06.2016 -12.06.2016)**

**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. V. M. Berlin Grace,**  
Professor  
Dept. of Biotechnology  
Karunya University

**Dr. RM. Kathiresan,**  
Professor,  
Dept. of Microbiology,  
Annamalai University



**SHORT TERM COURSE  
ON  
FERMENTATION AND DOWN STREAM  
PROCESS**  
**JUNE (06.06.2016 -12.06.2016)**

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



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

**Report on short term course on Fermentation and Down Stream Process**

**Held during 6<sup>th</sup> – 12<sup>th</sup> June, 2016**

A seven-day short term course on Fermentation and Down Stream Process held during 6<sup>th</sup> – 12<sup>th</sup> June, 2016, at Department of Microbiology, Karpagam University. The fermentation and downstream processing short term course provided participants with real-world industrial fermentation experiences ranging from scale-up to downstream processing. Participants took part in hands-on pilot-scale activities led by fermentation and downstream processing experts. The major topics covered during the short term course included microbial cell growth and product formation kinetics, the critical components of an industrial bioreactor, and scale-up and downstream processing of fermentation processes. The participants were mentored by the experts in the area of biochemical engineering. The workshop immensely helped participants acquire fundamental understanding of the relationship between process design and product quality in fermentation.



Demonstration of downstream process

**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**

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**List of Participants for short term course on Fermentation and downstream process**

**Held during 6<sup>th</sup>-12<sup>th</sup> June, 2016**

**Organized by: Department of Microbiology**

<b>Sl. No.</b>	<b>Name of the Faculty</b>	<b>Designation</b>
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



Day / Session	Topic / Activity	Resource Person / Technical Personnel
31.05.2016 - Tue 09.30 – 10.00	Inauguration	
31.05.2016 - Tue 10.00 – 11.15	E-Learning – an Introduction	Dr. S. Senthilnathan
31.05.2016 - Tue 11.30 – 12.45	E-Content Development – What, Why and How	
31.05.2016 - Tue 01.45 – 03.00	E-Content Development – What, Why and How	Dr. S. Senthilnathan
31.05.2016 - Tue 03.15 – 05.00	Model E-Contents – Demos and Discussion (Pedagogical Analysis)	
Off-session Work	Identification of Topics for SLOs and Preparation of Write Up	
01.06.2016 - Wed 09.30 – 11.00	Language of Visual Communication	Fr. (Dr.) P. Susai Manickam
01.06.2016 - Wed 11.15 – 12.45	Script Writing: Principles and Practice	Fr. (Dr.) P. Susai Manickam
01.06.2016 - Wed 01.45 – 03.15	Model E-Contents – Demos and Discussion (Pedagogical & Media Analysis)	Dr. S. Senthilnathan & Fr. (Dr.) P. Susai Manickam
01.06.2016 - Wed 03.30 – 05.00	Instructional Designing, Text Preparation & Web Resources for E-Content Development	Dr. S. Senthilnathan
Off-session Work	Preparation of Acton Scripts	
02.06.2016 - Thu 09.30 – 11.00 & 11.15 – 12.45	Discussion and Finalization of Scripts	Dr. S. Senthilnathan & Fr. P. Susai Manickam
	Downloading Multimedia Elements and Text Preparation	
		Shooting Arrangements and Shooting
02.06.2016 - Thu 01.45 – 03.15 & 03.30 – 05.00	Discussion and Finalization of Scripts	Fr. Susai Manickam & Dr. S. Senthilnathan
	Downloading Multimedia Elements and Text Preparation	
		Shooting & Editing (on three Suites)
Off-session Work	Preparation of Acton Scripts	
03.06.2016 - Fri 09.30 to 12.45 & 01.45 – 05.00	Discussion and Finalization of Scripts	Fr. Susai Manickam & Dr. S. Senthilnathan
	Downloading Multimedia Elements and Text Preparation	
		Shooting & Editing (on three Suites)
Off-session Work	Preparation of Synopsis	
04.06.2016 - Sat 09.30 to 12.45	Editing and Finalization (on three suites)	Technical Crew, Fr. Susai Manickam & Dr. S. Senthilnathan
04.06.2016 - Sat 01.45 – 03.15	Display of SLOs and Discussion	
04.06.2016 - Sat 03.30 – 04.00	Funding Schemes for E-Content Development Projects	Dr. S. Senthilnathan
04.06.2016 - Sat 04.00 – 05.00	Valediction	

**Max. Participants: 30**

**List of Participants as submitted by HOD**

SN	Name of the Participants	Desig	Dept	Faculty
1	Sugana.B	Asst. Prof	Che	Tamil
2	Dr. K. Devaki	Asso.Prof	Biochemistry	FASH
3	Dr. Teepica Priya Dharsini	Asso.Prof	BT	FASH
4	Dr.B.Mukunthan	Asso.Prof	CA	FASH
5	Dr.M.R.Ezhilarasi	Asst. Prof	Che	FASH
6	K.Banuroopa	Asst. Prof	Com Sci	FASH
7	J. Hemagowri	Asst. Prof	Com Sci	FASH
8	W.Saranya	Asst. Prof	Comm	FASH
9	Dr.S.Hemalatha	Asst. Prof	Comm	FASH
10	M.Selvan	Asst. Prof	ECS	FASH
11	S. Kowsalya	Asst. Prof	IT	FASH
12	M.Jeganathan	Asst. Prof	Maths	FASH
13	Mr. K. V. Ashok Raj	Asst. Prof.	MB	FASH
14	Preetha.R	Asst. Prof	MBA	FASH
15	Dr.V.Krishnaveni	Asst. Prof	Mgt-UG	FASH
16	Dr B Janarthanan	Asso.Prof	Physics	FASH
17	L. Krishnaaj	Asso.Prof	English	FASH
18	Mr.R.Suresh Balaji	Asst. Prof	Aero	FOE
19	Barath Balaji. R	Asst. Prof	Auto	FOE
20	Ms. P. Sandhya	Asst. Prof	BT	FOE
21	Sasi kumar.M	Asst. Prof	Civil	FOE
22	Gopigha. S	Asst. Prof	Civil	FOE
23	R.Santhosh	Asst. Prof	CSE	FOE
24	K.Malathi	Asst. Prof	CSE	FOE
25	Dr. Kamalraj Subramaniam	Asst. Prof	ECE	FOE
26	K. Balachander	Asst. Prof	EEE	FOE
27	Mr.Milon.D.Selvam	Asst. Prof	Mech	FOE
28	S. Aravind	Asst. Prof	Mech	FOE
29	Dr. K.Shankar	Asst. Prof	S&H (Chem)	FOE
30	G.Praveena	Asst. Prof	Pharmacy	FOP
31		Asst. Prof	Architecture	FOA



SHORT TERM COURSE  
ON  
Automation in Architecture

Date:  
23rd MAY  
to  
30th MAY  
2016

Guest:  
Mr. Balasubramaniam

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







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COIMBATORE – 641021

## **KARPAGAM ACADEMY OF HIGHER EDUCATION**

*(Deemed to be University)*

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### **DEPARTMENT OF ARCHITECTURE**

**Report on the Short Term Course on "Automation in Architecture"**  
conducted between 23.05.2016 - 30.05.2016

A Short term course on "Automation in Architecture" conducted between 23-05-16 to 30-05-2016 for the Faculty members of Department of Architecture . About 10 faculty members attended the course.

This course aims Provide a strategy for design and development of an efficient automation in building environment. The course also intends to Provide a fit-for-purpose automation solution that is neither too costly nor too scanty in functionality

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 Automation in 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 - Even Semester**

Sl.No	Staff Name	
1	Ar.Ramakrishnamoorthy M R	
2	Ar.Lingeshwaran G	
3	Ar.Vimal C	
4	Ar.Janani T	
5	Ar.Issac A	
6	Ar.Karthick R	
7	Ar.Siyar Sathayan	
8	Ar.Shivachandran S	
9	Ar.Femil M	
10	Er.Alan S	



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



## **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**

M.Jannath Begam  
Assistant professor/Maths,FASH  
Karpagam Academy of Higher Education

### **Organizing Team Members**

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

M.Jeganathan  
Assistant professor  
Karpagam Academy of Higher Education

A.Henna shenofer  
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  
Virugambakkam Avadi,  
Chennai-600 062,

### **Dr. A K Abdul Hakeem**

Associate Professor  
Sri Ramakrishna Mission Vidyalaya ,  
Coimbatore – 641 020.

### **Dr.K.Bala Chandran**

Professor & Head  
Department of mathematics  
Bharathiar University  
Coimbatore.

### **Dr.S.R.Sudheendra**

Professor & Head  
Department of Mathematics  
T. John Institute of Technology  
Gottigere, BG Road  
Bangalore

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

**PROFESSIONAL DEVELOPMENT  
PROGRAMME ON SKILL BASED COURSE  
FLUID DYNAMICS AND DIFFERENTIAL  
EQUATIONS**

**23<sup>rd</sup> May 2016 to 30<sup>th</sup> May 2016**

**Organized by**

**Department of Mathematics**



**KARPAGAM ACADEMY OF  
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Eachanari Post, Coimbatore-641021.  
Tamilnadu, India.

**Venue : Thiruvalluvar Hall**



**KARPAGAM ACADEMY OF HIGHER EDUCATION**  
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Eachanari Post, Coimbatore-641021. Tamilnadu, India.

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

**Professional Development program on Skill based Course Fluid Dynamics and  
Differential Equations**

**Hall :** S- Block Lab

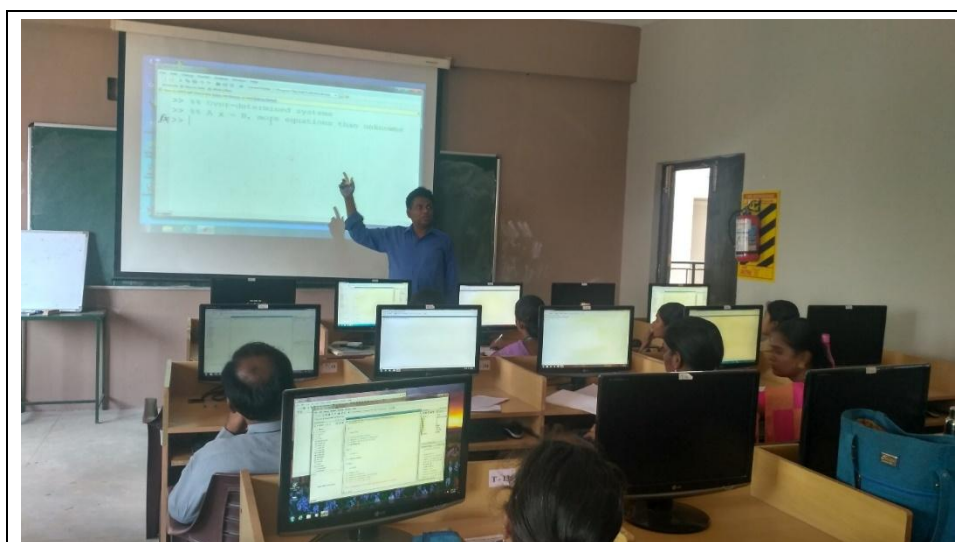
**Date :** 23.05.2016 & 24.05.2016

**Time :** 9.30 am to 3.30pm

**Topic :** MATLAB Tools and Their Applications & MATLAB

**Resource Person :** Dr. V. Sundarapandian / Professor

The program was inaugurated by the Dean Dr.M.Palaniswamy. Inauguration was followed by a Keynote address by the Resource person Dr. V. Sundarapandian , Professor and Research and Development Centre, Vel Tech University, Virugambakkam Avadi, Chennai-600 062. 14 Members of our Department faculty were attended. Faculty Members were very much impressed by his talk. They got more Knowledge about the technical computing environment such as MATLAB is now reshaping the role and applications of computer laboratory projects to involve students in more intense problem-solving experience. This availability also provides an opportunity to easily conduct numerical experiments and to tackle realistic and more complicated problems.



**Keynote address by the Resource person Dr. V. Sundarapandian**

**Hall :** Tiruvallur Hall

**Date :** 25.05.2016 & 26.05.2016

**Time :** 9.30 am to 3.30pm

**Topic :** Study on Boundary layer flow Fluid Dynamics

**Resource Person :** Dr. A .K. Abdul Hakeem/ Professor

The Resource person Dr. **Dr. A K ABDUL HAKEEM**, Professor, Sri Ramakrishna Mission Vidyalaya, Coimbatore, were impressed the audience by his talk. The laminar boundary is a very smooth flow, while the turbulent boundary layer contains swirls or "eddies." The laminar flow creates less skin friction drag than the turbulent flow, but is less stable. Boundary layer flow over a wing surface begins as a smooth laminar flow. As the flow continues back from the leading edge, the laminar boundary layer increases in thickness. Tentative explanations are given, with the aid of the theory, for a number of puzzling and disturbing features arising from the results of some recent flowmeter calibrations.

**Hall :** Thiruvallur Hall

**Date :** 27.05.2016 & 28.05.2016

**Time :** 9.30 am to 3.30pm

**Topic :** Applications on Differential Equations & Differential Equation

**Resource Person :** Dr.Bala Chandran / Professor

The Resource person Dr.K.Bala Chandran, Professor, Bharathiar University, Coimbatore, were impressed the audience by his talk. Differential equations are absolutely fundamental to modern science and engineering. Almost all of the known laws of physics and chemistry are actually differential equations and differential equation models are used extensively in biology to study. chemical reactions, population dynamics, organism growth, and the spread of diseases. A mathematical model is a bio description of a real-world system using mathematical language and ideas.



**Special Talk by Dr.K.Bala Chandran**

**Hall :** Thiruvallur Hall

**Date :** 30.05.2016

**Time :** 9.30 am to 3.30pm

**Topic :** Fluid Mechanics

**Resource Person :** Dr. S.R. Sudheendra, / Professor

Inauguration was followed by a Keynote address by the Resource person Dr. S.R. Sudheendra, Professor, T. John Institute of Technology, were impressed the audience by his talk. The resource person started the session with the introduction of Fluid mechanics can be divided into fluid statics, the study of fluids at rest; and fluid dynamics, the study of the effect of forces on fluid motion. It is a branch of continuum mechanics, a subject which models matter without using the information that it is made out of atoms, that is, it models matter from a macroscopic viewpoint rather than from a microscopic viewpoint. Fluid mechanics, especially fluid dynamics, is an active field of research with many unsolved or partly solved problems. Fluid mechanics can be mathematically complex, and can best be solved by numerical methods, typically using computers. Language and ideas. Finally, the valedictory function has started around at 3.00 pm. The Dean Dr. M. Palaniswamy distributed the certificates to the participants. The program has ended with National Anthem at 3.30pm.





Practice Section in Lab



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

**Professional Development program on Skill based Course Fluid Dynamics and  
Differential Equations**

**Time :9.30am to 3.30pm**

**Date : 23.05.2016 to 30.05.2016**

S.No.	NAME OF THE FACULTY
1	Dr.M.M.SHANMUGA PRIYA
2	Ms. M.JANNATH BEGAM
3	Mr.M.JEGANATHAN
4	Dr.K.KALIDASS
5	Ms.A.NEERAJAH
6	Ms.K.PAVITHRA
7	Ms.KOHILA.S
8	Ms.LATHA
9	Ms.J.KOWSALYA
10	Mr.R.PRAVEEN KUMAR
11	R.POORNIMA
12	Ms.SUKRITHA PRADEESH
13	Mr.U.R.RAMAKRISHANAN
14	A.HENNA SHENOFR

**A Seven Day**

**Short Term Course on Humanity in the  
Visions of English Writers**

**23 May 2016 to 30 May 2016**

**PATRON**

**Dr. S. SUDALAI MUTHU**

**VICE-CHANCELLOR**

Karpagam Academy of Higher Education **Dr.**

**G. SEKAR REGISTRAR**

**Dr. M. PALANISWAMY**

**Dean- FASH**

**CONVENOR**

**Dr. S. Selvalakshmi,**

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

**ORGANIZING SECRETARY**

**Mizpah Rebekah**

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. S. Kalamani, Professor, Avinashilingam  
Institute for Home Science and Higher Education  
for Women, Coimbatore.

Dr. D. Laura Dameris Chellajothi, Assistant  
Professor, Bharathidasan University,  
Tiruchirappalli.

Dr. K. Ravichandran, Associate Professor,  
Thiruvalluvar University, Vellore.

Dr. S. Christina Rebecca, Professor,  
Avinashilingam Institute for Home Science and  
Higher Education for Women, Coimbatore.

Dr. R. Edwin Christy, Assistant Professor, St.  
Joseph's College, Tiruchirappalli.

Dr. V. Vinod Kumar, Professor,  
Bharathidasan University, Tiruchirappalli.

Dr. M. Kannadhasan, Assistant Professor,  
Thiruvalluvar University, Serkkadu, Vellore.



**A Seven Day**

**Short Term Course on Humanity in the  
Visions of English Writers**

**23 May 2016 to 30 May 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)**

**A JOINT PROGRAMME OF CENTER OF HUMAN RESOURCE  
DEVELOPMENT  
&  
DEPARTMENT OF ENGLISH AND FOREIGN LANGUAGES  
Report Short Term Course on Humanity in the Visions of English  
Writers**

The Department of English organized a **Short Term Course on Humanity in the Visions of English Writers** for the Faculty members, Department of English, Karpagam Academy of Higher Education, Coimbatore from **23<sup>rd</sup> May to 30<sup>th</sup> May, 2016**.

On 23<sup>rd</sup> May 2016, the Short Term Course was facilitated by Dr. S. Kalamani, Professor, Avinashilingam Institute for Home Science and Higher Education for Women, Coimbatore. She told that literature is the foundation of humanity's cultures, beliefs and traditions. It serves as a reflection of reality, a product of art and a window to an ideology. She discussed on the theme referring to the works of African Writers.

On 24<sup>th</sup> May 2016, the Short Term Course was facilitated by Dr. D. Laura Dameris Chellajothi, Assistant Professor, Bharathidasan University, Tiruchirappalli. She conveyed the importance of humanity in writers. The writers are expressing what is happening within a society. The core idea was delivered through the literary works related to war.

On 25<sup>th</sup> May 2016, the Short Term Course was facilitated by Dr. K. Ravichandran, Associate Professor, Thiruvalluvar University, Vellore. He told that writers are recording everything around them through writing. As writers, they should have the knowledge or wisdom, and emotion towards people. The exchange of ideas took place by reference to the work of Alia Malek and Mustafa Khalifa.

On 26<sup>th</sup> May 2016, the Short Term Course was facilitated by Dr. S. Christina Rebecca, Professor, Avinashilingam Institute for Home Science and Higher Education for Women, Coimbatore. She informed that through writing, writers must provide inspiration, guidance and challenge. To mention a few she spoke about the works written based on Syrian War.

On 27<sup>th</sup> May 2016, the Short Term Course was facilitated by Dr. R. Edwin Christy, Assistant Professor, St. Joseph's College, Tiruchirappalli. He said that the writers are to explain to people about the essential meaning of today's world, which contains the seeds of tomorrow and future hope and how hope has always been a part of works written by women.

On 28<sup>th</sup> May 2016, the Short Term Course was facilitated by Dr. V. Vinod Kumar, Professor, Bharathidasan University, Tiruchirappalli. He conveyed that the writers' mission today is to testify about man and his circumstances and to seek to leave a mark in literature by striking a blow at the indifference and ignorance which doom society and the world to



stagnation and mutual misunderstanding.

On 30<sup>th</sup> May 2016, the Short Term Course was facilitated by Dr. Maheshwari. R, Associate Professor, PSGR Krishnammal College for Women, Coimbatore. She told the writers' role in society is to be responsible to his own society, the awareness of his social responsibility and commitment to society. The programme also considered the key factors related to humanity in vision of English writers. There were fruitful discussion between the resource persons and the faculty members. The session was well received by the Faculty members with positive feedback.



**Dr. S. Kalamani, Professor, Avinashilingam Institute for Home Science and  
Higher Education Delivering the Lecture**



**KARPAGAM ACADEMY OF HIGHER EDUCATION**  
**A JOINT PROGRAMME OF CENTER OF**  
**HUMAN RESOURCE DEVELOPMENT**  
**&**  
**DEPARTMENT OF ENGLISH AND FOREIGN LANGUAGES**  
**SHORT TERM COURSE**

**HUMANITY IN THE VISIONS OF ENGLISH WRITERS**

**23<sup>th</sup> May to 30<sup>th</sup> May 2016**

<b>SL.NO</b>	<b>NAME OF THE FACULTY</b>
1.	Dr. Premkumar V
2.	Dr. Jesbir R
3.	Ms. Nithyadevi S
4.	Dr. Selvalakshmi S
5.	Ms. Mizpah Rebekah
6.	Ms. Hepsiba S
7.	Ms. Rajeswari R
8.	Dr. Ganesh Muthuram K
9.	Ms. Annalakshmi R
10.	Dr. Azaruddeen N
11.	Dr. Chitra D
12.	Mr. James A
13.	Mr. Krishnaraj L
14.	Ms. Elayavakini E

## ORGANIZING COMMITTEE

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*Vice – Chancellor*

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**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.K.BALACHANDER**  
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 : 19-05-2016

Intimation date : 18-04-2016

Course Date : 20-05-2016

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

**20-05-2016:** Introduction  
**Mr Ravichandran,G.M/Lakshmi electrical**

**23-05-2016:** Power Quality Measurement  
Devices  
**Er.Javagar/AEEE/TNEB,Coimbatore**

**24-05-2016:** Types of Software Implemented  
**Er.P.Nambidass/Sr.Trainer/Mass Solar  
,Coimbatore**

**25-05-2016:** Power Quality Issues In Real Time  
Basis  
**Mr Ravichandran,G.M/Lakshmi electrical**

**26-05-2016:** Solar Pv System Design and  
Implementation  
**Dr.V.Vanitha AP, Amirta university**

**27-05-2016:** Insulators applied for solar  
Equipments  
**Mr.M.Jothilingam,DE , GRT Embedded  
Solution**

**30-05-2016:** Future Scope  
**Mr.D.Manoharan/Chief  
Engineer/TNEB,Coimbatore**

## **PROFESSIONAL DEVELOPMENT PROGRAM ON “SOLAR PV SYSTEM AND POWER QUALITY ISSUES” 20-05-16 to 30-05-16**



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

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

**KARPAGAM ACADEMY OF HIGHER EDUCATION**

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**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**

03-06-2016

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

**REPORT ON PROFESSIONAL DEVELOPMENT PROGRAM**

Title	: Solar Pv Sysyem And Power Quality Issues
Resource Person	:Er.P.Nambidass/Sr.Trainer/Mass Solar,Coimbatore.
Event date	: 20-05-2016 to 30-05-2016
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 programme on “Solar Pv Sysyem And Power Quality Issues” was organized by Department of EEE, Faculty of Engineering, KAHE. The main objective of this session was to get a complete idea Solar system and its power quality issues. The session was started with prayer song and inaugurated by **Dr. A. Amudha**/HoD/EEE which was followed by the welcome address by **Mr.M.Siva Ramkumar**/AP/EEE. This session was carried out by **Er.P.Nambidass**/Sr.Trainer/Mass Solar,Coimbatore.. He has vast experience in Solar cells, 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.



*Participants of the programme*



*Lecture given by Er.Javagar*



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

**PROFESSIONAL DEVELOPMENT PROGRAM ON SOLAR PV SYSTEM AND POWER QUALITY  
ISSUES**

**Participants**

**Date & Time:** 20-05-2016 to 30-05-2016 & 9.30AM TO 4.00PM    **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

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Vice Chancellor

### PATRON

Dr.G.Sekar  
Registrar

M.Palaniswamy  
Dean, FASH

### CONVENOR

Dr. S. Veni  
Professor and Head

### ORGANIZING SECRETARY

Dr. S.Karthikeyan  
Associate Professor

### COMMITTEE MEMBERS

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

Dept.of. IT and CT

Dr. S. Sheeja, Assistant Professor & Head (i/c)

Dept.of. Computer Applications

Dr. A.Edwin Robert, Assistant Professor

Dr. E. J. Thomson Fredrik, Assistant Professor

Dr. D.Shanmuga Priyaa, Assistant Professor

Dr. M. Anand Kumar, Assistant Professor

P.Tamil Selvan, Assistant Professor

D. Manjula, Assistant Professor

K. Yuvaraj, Assistant Professor

## Resource Persons

### Mr..S.Sathishkumar

Data Analyst  
Wipro Technologies, Bangalore

### Mr.T.Sakthivel

Project Manager  
SYSTECH Private LTD, Coimbatore

### Dr.S.Sivagurunathan

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

## Programme schedule

Date : 18.05.2016 to 20.05.2016  
Topic : Data Science in Industry Perspective

### Keynote Address

#### Mr..S.Sathishkumar

Data Analyst  
Wipro Technologies, Bangalore

Date : 21.05.2016 to 22.05.2016  
Topic : Big data Analytics using Scalar

### Keynote Address

#### Mr.T.Sakthivel

Project Manager  
SYSTECH Private LTD, Coimbatore

Date : 23.05.2016

Topic : Research issues in Big data and Data Analytics

### Keynote Address

#### Dr.S.Sivagurunathan

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

# Professional Development Program on Data Science and Big Data Analytics

18.05.2016 to 23.05.2016



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

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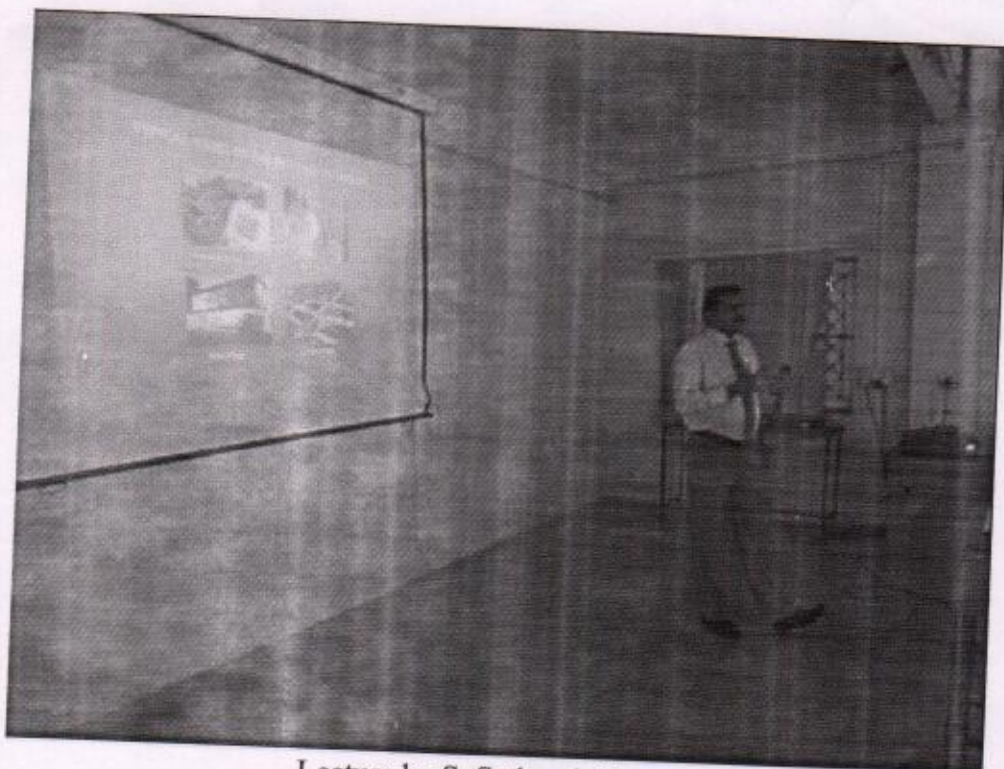


## Report

### Professional Development Programme on Data Science and Big Data Analytics

18.05.2016 to 23.05.2016

Department of Computer Science, Applications & Information Technology organized FDP titled as "Data science and big data analytics" from 18.05.2016 to 23.05.2016. The faculty members of FASH, FOE department have participated in this program. The resources person, S. Satheesh Kumar, Wipro technologies, Bangalore, gave lecture on introduction to data science and hands on training on its applications. Mr. T. Sakthivel, Project manager, Systech pvt. lmt, Coimbatore gave good knowledge on concepts of big data Analytics and taught the installation of Hadoop. Dr.S.Sivagurunathan, Assistant professor, Gandhigram University, gave lecture on Data analytics techniques and working with R-language. The program was very useful for the faculty members as well as the researchers those who are doing research in various domain like data mining, Data analytics, Machine learning etc.,.



Lecture by S. Satheesh Kumar

23/5/16  
(1409)

**List of Participants**

<b>S.No</b>	<b>Name of the Faculty</b>
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.	N. Krithika
14.	S. Sundar Kumar
15.	Dr. T.Sumathi
16.	S. Jambunathan
17.	V. Sindhu
18.	D.Sathya Srinivas
19.	Dr. X. Agnise Kala Rani
20.	Dr. R.Gunasundari
21.	Dr. S. Sheeja
22.	Dr. K.Thilagam
23.	Dr. B. Mukunthan
24.	Dr. E. J. Thomson Fredrik
25.	K.Lakshmi
26.	R.Naveen Kumar
27.	G.Anitha
28.	T. Rubya
29.	K. Kalaiselvi
30.	P. Amala
31.	P.Nagarajan
32.	A.Edwin Robert
33.	K. Veerasamy
34.	M. Punitha
35.	U. Prathibha
36.	Dr. T. Amalraj Victoire
37.	Dr. K.Appathurai
38.	Dr. D.Shanmuga Priyaa
39.	Dr. M. Anand Kumar
40.	G.Manivasagam
41.	S. Kowsalya
42.	B.Bharathi
43.	N. Gayathri



## **ADVISORY COMMITTEE**

### **CHIEF PATRON**

**Dr.S.SUDALAIMUTHU**

*Vice-Chancellor*

### **PATRON**

**Dr.G.Sekar**

Registrar

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

Faculty of Engineering

### **CONVENOR**

**Dr.N.Balasundaram**

Professor & Head

Department of Civil Engineering

**Dr.M.Natarajan**

Professor

Department of Civil Engineering

### **ORGANIZING SECRETARIES**

**A.Thangadurai**,

Assistant Professor,

Civil Engineering Department

### **COMMITTEE MEMBERS**

- Dr.Pa.Ganeshwaran, Professor / Civil
- Dr.G.R.Vijayashankar, Asso. Professor / Civil
- S.Gobhiga, AP/Civil
- M.Sasi Kumar, AP/Civil
- A.Thangadurai, AP/Civil
- V.Venugopalan, AP/Civil
- E.Ezhilarasi, AP/Civil
- B.Preetiwini, AP/Civil

## **RESOURCE PERSONS:**

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

### **ABOUT THE PROGRAM**

The design, fabrication, and construction of smart structures 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 centers around innovative sensors and sensor systems. This program to enhance the skills of smart sensors monitoring in structures.

### **TOPICS TO BE COVERED**

Day 1: Introduction to Structural drawings  
Day 2: Importance of Structural detailing  
Day 3 Analysis of Structures using STAAD.  
Pro  
Day 4: Design of Structures using STAAD.  
Pro  
Day 5: Introduction to STAAD. Foundation  
Day 6: Designing and Analysis of foundation  
using software  
Day 7: Case studies



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

**Short Term Course  
On  
Structural Detailing and Drawing  
from  
16.05.2016 to 23.05.2016**

**Organized by  
Department of Civil Engineering  
Karpagam Academy of Higher Education  
(Deemed to be University)  
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Pollachi Main Road, Eachanari Post,  
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**Phone No: 0422-6471113, 6471115, 645377,  
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**A JOINT PROGRAMME OF  
CENTRE FOR HUMAN RESOURCE DEVELOPMENT  
AND  
DEPARTMENT OF CIVIL ENGINEERING  
SHORT TERM COURSE**

**REPORT ON**

**STRUCTURAL DETAILING AND DRAWING**

**Topic:** Introduction to Structural drawings

**Expert Name:** Dr.J. Shankar, Consulting Engineer, Surrya Builders, Salem

**Date:** 16.05.2016 (FN& AN)

**Venue:** UM 213

**SUMMARY:**

**Need for the Topic**

To know the importance of detailed structural drawings in the field of Civil Engineering, this one week professional development program helped us to know the details of reinforcement and getting the same using advanced software like STAAD. Pro.

**Key Points Discussed:**

1. Introduction to structural drawings
2. Grades of steel bars
3. Manufacturing of steel
4. Availability of steel bars in market
5. Cost aspects

**Session Outcome:**

At the end of the session the following techniques were gained

1. A detailed knowledge of different grades of steel used for reinforcement purposes.
2. The knowledge of manufacturing steel from raw material through a video clip. The video showed the different process involved in the manufacturing and distribution of steel to various places.
3. Availability of reinforcement bars in market in different grades and diameters.
4. Cost of steel bars and their comparison in and around Coimbatore were discussed.

**Topic:** Importance of Structural detailing

**Expert Name:** Dr.J. Shankar,Consulting Engineer, Surrya Builders, Salem

**Date:** 17.05.2016 (FN& AN)

**Venue:** UM 213

## **SUMMARY:**

### **Need for the Topic**

To know the importance of detailed structural drawings in the field of Civil Engineering, this one week professional development program helped us to know the details of reinforcement and getting the same using advanced software like STAAD. Pro.

### **Key Points Discussed:**

1. Introduction to RCC
2. Mix Design
3. Reinforcements used in different elements of building
4. Importance of designing the building elements for safe load
5. Codal provisions (Indian Standards)

### **Session Outcome:**

At the end of the session the following techniques were gained

1. The knowledge in concepts of working stress method and limit state method.
2. IS code of practice for the design of concrete elements
3. Understand the structural behavior of reinforced concrete elements in bending, shear, compression and torsion.
4. The knowledge of drawing the reinforcement details.
5. Methods of crack control in reinforced concrete members.

**Topic:** Analysis of structures using STAAD. Pro

**Expert Name:** Dr. M. Ravichandran, Executive Engineer, TNPCB, Karur

**Date:** 18.05.2016 (FN& AN)

**Venue:** UM 213

## **SUMMARY:**

### **Need for the Topic**

To know the importance of detailed structural drawings in the field of Civil Engineering, this one week professional development program helped us to know the details of reinforcement and getting the same using advanced software like STAAD. Pro.

**Key Points Discussed:**

1. STAAD Plane and STAAD Space
2. Creating nodes and members
3. Creating supports
4. Creating Slab
5. Loading conditions

**Session Outcome:**

At the end of the session the following techniques were gained

1. Initial creation of nodes using Staad plane and Staad space
2. The knowledge to create a whole structure using different commands in the software
3. To create and apply load to all structural elements of a framed structure after applying suitable material to the same.
4. To create the same framed structure through structural wizard command
5. Importing a DXF file from Auto CAD and creating a framed structure.
6. A complete knowledge to analyse the structure.

**Topic:** Design of Structures using STAAD. Pro

**Expert Name:** Dr. M. Ravichandran, Executive Engineer, TNPCB, Karur

**Date:** 19.05.2016 (FN& AN)

**Venue:** UM 213

**SUMMARY:****Need for the Topic**

To know the importance of detailed structural drawings in the field of Civil Engineering, this one week professional development program helped us to know the details of reinforcement and getting the same using advanced software like STAAD. Pro.

**Key Points Discussed:**

1. Load Calculations
2. Getting the required details from software
3. Post processing details
4. Design of different elements.

**Session Outcome:**

At the end of the session the following techniques were gained

1. Application of loads like dead load, live load, seismic load, wind load on the created structure.

2. The analysis knowledge of a framed structure through.
3. Getting the details like shear force diagram, bending moment diagram in opost processing mode.
4. Designing whole structure with respect to Indian codes.
5. Gathering the reinforcement details from the software.

**Topic:** Introduction to STAAD. Foundation

**Expert Name:** Dr. E.D. Vishwanathan, Consulting Engineer, Salem

**Date:** 20.05.2016 (FN& AN)

**Venue:** UM 213

**SUMMARY:**

**Need for the Topic**

To know the importance of detailed structural drawings in the field of Civil Engineering, this one week professional development program helped us to know the details of reinforcement and getting the same using advanced software like STAAD. Pro.

**Key Points Discussed:**

1. Importance of STAAD foundation software.

**Session Outcome:**

At the end of the session the following techniques were gained

1. Various forces and loading conditions acting on the building
2. Conditions of framed structures, determinate and indeterminate frames.
3. Analysis of concrete structures and
4. The knowledge of analysis in real world applications
5. Analysis of a framed structure using STAAD. Pro software

**Topic:** Designing and Analysis of foundation using software

**Expert Name:** Dr. E.D. Vishwanathan, Consulting Engineer, Salem

**Date:** 21.05.2016 (FN& AN)

22.05.2016 (FN& AN)

**Venue:** UM 213

**SUMMARY:**

**Need for the Topic**

To know the importance of detailed structural drawings in the field of Civil Engineering, this one week professional development program helped us to know the details of reinforcement and getting the same using advanced software like STAAD. Pro.

**Key Points Discussed:**

1. Designing and analysis of foundation through consecutive steps were discussed.
2. Load Calculation
3. Strength of Soil

**Session Outcome:**

At the end of the session the following techniques were gained

1. Easily model complex or simple footings, such as plant foundations supporting vertical vessels, horizontal vessels, tanks and other footings
2. Quickly model common foundations such as isolated, combined, strip, pile caps, and many more
3. Simplify challenging scenarios such as vibrating machine foundation, lateral analysis of piers, or mat design using FEA
4. Efficiently use your structural model with the foundation model through integration with STAAD.Pro, including automatically synced changes in both models

**Topic:** Case studies

**Expert Name:** Dr. M. Ravichandran, Executive Engineer, TNPCB, Karur &

Dr. E.D. Vishwanathan, Consulting Engineer, Salem

**Date:** 23.05.2016 (FN& AN)

**Venue:** UM 213

**SUMMARY:****Need for the Topic**

To know the importance of detailed structural drawings in the field of Civil Engineering, this one week professional development program helped us to know the details of reinforcement and getting the same using advanced software like STAAD. Pro.

**Points Discussed:**

1. Discussed about different buildings analyzed using this software and their advantages in designing the structure compared with other software's.
2. Feed back about the programme.
3. Distribution of certificates.





*Participants attending the programme*



**KARPAGAM ACADEMY OF HIGHER EDUCATION  
COIMBATORE-21  
FACULTY OF ENGINEERING**

**DEPARTMENT OF CIVIL ENGINEERING**

**Short Term Course  
On  
Structural Detailing and Drawing  
List of Participants**

VENUE: UM 213

DATE: 16.05.2016-22.05.2016

S.No	Name of the Staff	Designation
1.	N.Balasundaram	HOD
2.	Dr. M. Natarajan	Associate Professor
3.	G.R.Vijayshankar	Assistant Professor
4.	V.Venugopalan	Assistant Professor
5.	A.Thangadurai	Assistant Professor
6.	M.Sasi Kumar	Assistant Professor
7.	S.Gobhiga	Assistant Professor
8.	B.Preetiwini	Assistant Professor
9.	M.Narmadha	Assistant Professor
10.	E.Ezhilarasi	Assistant Professor
11.	K. Rubini	Lecturer
12.	J.Jenin Rajasingh	Lecturer
13.	M.Vidhya	Lecturer
14.	S.Baragath Nisha	Lecturer
15.	M.A.Asha	Lecturer
16.	R.Nirmala	Lecturer
17.	R.Bharani	Lecturer



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**Vice Chancellor**  
**KAHE**

**Patron**

**Registrar**  
**KAHE**

**Dean**  
**FASH**  
**KAHE**

**Convenor :**

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

**Coordinators:**

**Dr. C.Shangunthala**

**Dr. A. Martin jayaraj**

**RESOURCE PERSONS OF THE**  
**SHORTTERM COURSE**

Topic	Resource Person
Experiential learning Cycle & Transaction analysis	Dr. A. Jafersadhiq Assistant Professor Department of Management Erode Sengunthar Engineering College, Perundurai
Shadowing & Clinical observation	Dr. M.VKanaka Rathinam Professor & Head , Department of Commerce Nehru Arts and Science College Coimbatore

Case studies & Interactive simulations	Dr. Poornima Devi, Associate Professor & Head , Department of Commerce with Professional Accounting NGM College , Pollachi
Barriers to Training and Development & High impact practices	Nanda LAL, Training specialist EBSCO information services India Pvt. Ltd
Accessibility resources for instructors & Performance based Learning	Nanda LAL, Training specialist EBSCO information services India Pvt. Ltd
Kolb's Model & Field work	Dr. V.S. Elamurugan, Professor, Kumaraguru college of Tecnology, Chinnavedampatti, Coimbatore
Apprentice ships, simulations & Role playing	Dr. S.P. Kumar, Professor & director St. George college of Management Science, Bangalore-43

## Report - SHORT TERM COURSE ON EXPERIENTIAL LEARNING -

09.05.2016 – 15.05.2016

### Day 1:

Date	Session	Topic	Resource Person
09.05.2016	FN & AN	Experiential learning Cycle & Transaction analysis	Dr. A. Jafersadhiq Assistant Professor Department of Management Erode Sengunthar Engineering College, Perundurai

Resource person: Dr. A. Jafersadhiq, Assistant Professor, Department of Management, Erode Sengunthar Engineering College, Perundurai. The Short term course started at 9:30 am on 09.05.2016 in Thiruvalluvar Hall with the Welcome address by Dr. A. Ashok kumar, Professor & Head, Department of Management, KU. Firstly, the Resource person elaborated on Experiential learning Cycle. he also explained on process involved in Transaction analysis.

### Day 2:

Date	Session	Topic	Resource Person
10.05.2016	FN & AN	Shadowing & Clinical observation	Dr. M.V Kanaka Rathinam Professor & Head , Department of Commerce Nehru Arts and Science College Coimbatore

Resource person: Dr. M.V. Kanaka Rathinam, Professor & Head , Department of Commerce, Nehru Arts and Science College, Coimbatore. On the second day of the program resource person has explained on the method of Shadowing. He also elaborated on the topic's Clinical observation.

### Day 3:

Date	Session	Topic	Resource Person
11.05.2016	FN & AN	Case studies & Interactive simulations	Dr. Poornima Devi, Associate Professor & Head , Department of Commerce with Professional Accounting NGM College , Pollachi

Resource person: Dr. Poornima Devi, Associate Professor & Head , Department of Commerce with Professional Accounting, NGM College , Pollachi. Day three of the Short term course

started at 9:30 am on 11.05.2016. The resource person had explained on how to analyse and write a case study. Resource person also elaborated on Interactive simulations.



## 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
12.05.2016	FN & AN	Barriers to Training and Development & High impact practices	Nanda LAL, Training specialist EBSCO information services India Pvt. Ltd

Resource person: Nanda LAL, Training specialist EBSCO information services India Pvt. Ltd. Day four of the Short term course started at 9:30 am on 12.05.2016, the resource person on the fourth day of the program was lectured on what are the barriers of Training and development. He also explained on topic of High impact practices in education.

### Day 5:

Date	Session	Topic	Resource Person
13.05.2016	FN & AN	Accessibility resources for instructors & Performance based Learning	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 at MBA computer Lab, the resource person gave lecture on Accessibility resources for the instructors. Participants of the program were given a practical session on how to access the various e-resources. He also explained on the Performance based Learning fully.

### Day 6:

Date	Session	Topic	Resource Person
14.06.2016	FN & AN	Kolb's Model & Field work	Dr. V.S. Elamurugan, Professor, Kumaraguru college of Tecnology, Chinnavedampatti, Coimbatore

Resource person: Dr. V.S. Elamurugan, Professor, Kumaraguru college of Tecnology, Chinnavedampatti, Coimbatore. On day six the resource person explained on kolb's model of learning theory. He also elaborated on the styles of learning inventory model proposed by David Kolb and also emphasized on the cognitive aspects of the learning.

## Day 7:

Date	Session	Topic	Resource Person
15.06.2016	FN & AN	Apprenticeships, simulations & Role playing	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. Final day of the Short term course started at 9:30 am. The resource person lectured on the importance of incorporating simulations techniques in education and how it helps the students to face the real time problems in business environment. He also conducted activities on role playing methods among participants. Finally, the program ended with the vote of thanks by Dr. C. Shagunthala, Assistant Professor, Department of management.

## PHOTO



*SHORT TERM COURSE ON EXPERIENTIAL LEARNING*



## Schedule of Short term course

Date	Session	Topic	Resource Person
09.05.2016	FN & AN	Experiential learning Cycle & Transaction analysis	Dr. A. Jafersadhiq Assistant Professor Department of Management Erode Sengunthar Engineering College, Perundurai
10.05.2016	FN & AN	Shadowing & Clinical observation	Dr. M.VKanaka Rathinam Professor & Head , Department of Commerce Nehru Arts and Science College Coimbatore
11.05.2016	FN & AN	Case studies & Interactive simulations	Dr. Poornima Devi, Associate Professor & Head , Department of Commerce with Professional Accounting NGM College , Pollachi
12.05.2016	FN & AN	Barriers to Training and Development & High impact practices	Nanda LAL, Training specialist EBSCO information services India Pvt. Ltd
13.05.2016	FN & AN	Accessibility resources for instructors & Performance based Learning	Nanda LAL, Training specialist EBSCO information services India Pvt. Ltd
14.06.2016	FN & AN	Kolb's Model & Field work	Dr. V.S. Elamurugan, Professor, Kumaraguru college of Tecnology, Chinnavedampatti, Coimbatore
15.06.2016	FN & AN	Apprenticeships, simulations & Role playing	Dr. S.P. Kumar, Professor & director St. George college of Management Science, Bangalore-43

**A JOINT PROGRAMME OF  
CENTRE FOR HUMAN RESOURCE DEVELOPMENT  
AND  
DEPARTMENT OF MANAGEMENT STUDIES AND RESEARCH  
SHORT TERM COURSE ON EXPERIENTIAL LEARNING**

**List of Participants**

**Date:** 09.05.2016 - 15.05.2016

<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	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. 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.G.PRAVEENA,** Assistant Professor,FOP,KU

### Organizing Team Members:

**Mr K ABDUL KHAYUM,** Assistant Professor,FOP,KU.

**Ms.K N AARATHI** Assistant Professor,FOP,KU

**Ms.K GAYATHRI** Assistant Professor,FOP,KU

## PROGRAMME SCHEDULE

Inauguration 9.30 am - 10.30 am

### DAY I

**Session I:** 11.00 am - 04.30 pm

Topic : "How to encourage effective collaboration"

Speaker: Dr IDA CHRISTI

Professor & HOD

Karpagam College of Pharmacy-Coimbatore.

### DAY II

**Session II 10.00 Am - 4.30 pm**

Topic: "Classrooms Assessment Techniques"

Speaker: Dr. KANNAN Professor,

Department of Pharmacognosy,

SRIPMS, Coimbatore

### DAY III

**Session I 10.00 Am - 4.30 pm**

Topic : "Think Pair Share Activity"

Speaker: Dr R VADIVU Professor,

College of Pharmacy, MMC, Chennai.

### DAY IV

**Session I 10.00 Am - 4.30 pm**

Topic: "Making more time for active learning in the class room"

Speaker: Dr C. SENTHIL KUMAR Professor,

Karpagam College of Pharmacy-Coimbatore.

### DAY V

**Session I 10.00 Am - 4.30 pm**

Topic : " Active Learning Technologies"

**Session I 10.00 Am - 4.30 pm**

Speaker: Dr A S MANJULA DEVI Professor,

Department of Pharmacy Practice

SRIPMS, Coimbatore.

### DAY VI

**Session I 10.00 Am - 4.30 pm**

Topic: "Nature of Active Learning"

**Session I 10.00 Am - 4.30 pm**

Speaker: Dr ARUL RAJ Professor,

Department of Pharmaceutics,

RVS College of Pharmacy, Coimbatore

### DAY VII

**Session I 10.00 Am - 4.30 pm**

Topic : "Science of Active Learning"

**Session I 10.00 Am - 4.30 pm**

Topic : "How to promote the Active learning"

Speaker: Mr SENGOTTUVEL Associate Professor,

Department of Pharmacology

KMCH College of Pharmacy, Coimbatore

## PROFESSIONAL DEVELOPMENT

### PROGRAMME

ON

**“ACTIVE LEARNING OPPORTUNITIES FOR  
TEACHERS”**

**May 4<sup>th</sup>, 2016 to May 12<sup>th</sup>, 2016**

**A Joint Programme of  
Centre For Human Resource Development  
&  
Faculty of Pharmacy**





## **FACULTY OF PHARMACY KARPAGAM UNIVERSITY**

Karpagam Academy of Higher Education (Established  
Under Section 3 of UGC Act 1956)  
Pollachi Main Road, Eachanari Post,  
Coimbatore – 641021, Tamil Nadu, India.

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### **REPORT PROFESSIONAL DEVELOPMENT PROGRAMME ON “ACTIVE LEARNING OPPORTUNITIES FOR TEACHERS”**

**May 4<sup>th</sup>, 2016 to May 12<sup>th</sup>, 2016**

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

Professional Development Programme on the topic “**ACTIVE LEARNING OPPORTUNITIES FOR TEACHERS**” held at Faculty of Pharmacy, Karpagam University on From May 4<sup>th</sup>, 2016 to May 12<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 the “**ACTIVE LEARNING OPPORTUNITIES FOR TEACHERS** to develop their

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 IDA CHRISTI, Professor, Karpagam College of Pharmacy, Coimbatore has spoken about the topic “How to encourage effective collaboration". On the second day sessions Dr. KANNAN Professor, College of Pharmacy, SRIPMS, Coimbatore has spoken related to the topic "Classrooms Assessment Techniques”. On third day of session delivered by Dr M Vadivu on the topic “Think Pair Share Activity” from College of Pharmacy, MMC, Chennai. On fourth day of session Dr C. SENTHIL KUMAR Professor, Department of Pharmacology, Karpagam College of Pharmacy, Coimbatore gave the topic on “Making more time for active learning in the class room”

On fifth day of session was delivered by Dr A S MANJULA DEVI Professor, Department of Pharmacy Practice, College of Pharmacy, SRIPMS, Coimbatore has spoken on the topic “Role in Student Engagement”.

On sixth day: Dr ARUL RAJ, Professor, Department of Pharmaceutics, RVS College of Pharmacy, Coimbatore has spoken about “Nature of Active Learning”. On seventh day Mr. SENGOTTUVEL Professor, Department of Pharmacology, KMCH College of Pharmacy, Coimbatore has spoken on “How to promote the Active learning ". The Professional Development Programme on the topic of “ACTIVE LEARNING OPPORTUNITIES FOR TEACHERS” has undergone with various activities even during the sessions and was more knowledgeable and finally the day ended with vote of thanks.





*Lecture was given by Dr.A.S.Manjula Devi*







## **FACULTY OF PHARMACY KARPAGAM UNIVERSITY**

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Coimbatore – 641021, Tamil Nadu, India.

### **PROFESSIONAL DEVELOPMENT PROGRAMME**

#### **ON**

**“ACTIVE LEARNING OPPURTUNITIES FOR TEACHERS”**

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

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

#### **LIST OF PARTICIPANTS**

<b>S.NO</b>	<b>NAME OF THE PARTICIPANTS</b>	<b>DESIGNATION</b>
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

## ORGANIZING COMMITTEE

### Chief Patron

**Dr.S.SUDALAI MUTHU**

Vice Chancellor,  
Karpagam University

### Patron

**Dr. R.SUNDARARAJAN,**

Registrar,  
Karpagam University

**Dr.M.PALANISWAMY**

Dean- FASH  
Karpagam University

### Convenor

**Dr.V.SENTHIL KUMAR,**

Head of the Department,  
Dept of Physics, FASH,  
Karpagam University

### Organizing Secretary

Dr.B.Janarthanan ,Associate Professor,  
Department of Physics,  
Karpagam University

### 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 : "LEARNING STYLES"

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

### DAY II

Session:10.00 AM - 4.30 PM

Topic : " BLOOM TAXONOMY"

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 : "PEDAGOGY & ANDRAGOGY"

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 : "DIFFERENCE IN LEARNING"

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

### DAY V

Session:10.00 AM - 4.30 PM

Topic : "TIME PRESPECTIVE"

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

### DAY VI

Session:10.00 AM - 4.30 PM

Topic : " TEACHING METHODS"

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

### DAY VII

Session:10.00 AM - 4.30 PM

Topic : " STRUCTURED EXERCISE"

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



**KARPAGAM UNIVERSITY**

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

## Professional Development Program on "Stress Management"

**04th May 2016 to 11th May 2016**



**STRESS MANAGEMENT**

**Organized by  
Department of Physics**

**Venue : MBA Hall**



## Karpagam University

Coimbatore – 641021.

Faculty of Arts, Science and Humanities

Department of Physics

Professional Development Program on " Stress Management"

(04th May 2016 to 11th May 2016)

### REPORT

The Professional development program was conducted in Department of Physics on “Stress Management” from 04th May 2016 to 11th May 2016. The inaugural function held on 04<sup>th</sup> May 2016 at 11.00 AM at MBA Hall. The Welcome address was given by Dr.V. Senthil Kumar, HOD Dept of Physics. The faculty members of FASH, FOE have participated in this program. The resource person Dr.S.Gunasekaran, Dean, R&D, St Peters University, Chennai, had given Lecturer on “STRESS THERAPY”. Dr.P.M.Anbarasan, Professor & Director, Centre for Nanoscience & Technology, Dept of Physics, Periyar University, Salem, given illustration on " STRESS MANAGEMENT COACHING". Dr.V.P. Mahadevan Pillai, Professor & Head, Dept of Optoelectronics, University of Kerala, Thiruvananthapuram, given presentation on "VITAMINS TO RELIEVES STRESS". Dr.J.Shanthi, Associate Professor & Head, Avinashilingam Institute for Women, Coimbatore, given lecturer on “ SYMPTOMS OF PTSD”. Prof.P.T.Rajan, Principal, Karpagam Polytechnic College, Coimbatore, given talk on the topic “ INSTANT STRESS RELIEF”. Dr.V.Annamalai, Associate Professor , Dept of Physics Chikkanna Government Arts College, Tiruppur had given lecturer on" ONLINE STRESS TEST". Dr.R.T.Rajendra Kumar, Professor & Head, Dept of Nanoscience and Technology, Bharathair Uiversity, Coimbatore, had illustrated " MADITATION AND EXERCISE”.

The program was very useful for all the faculty members as well as the research scholars



Faculty members attending the program



## Karpagam University

Coimbatore – 641021.

Faculty of Arts, Science and Humanities

Department of Physics

Faculty Development Program

(04<sup>th</sup> May 2016 to 11<sup>th</sup> May 2016)

### **LIST OF PARTICIPANTS'**

Sr.No	Name Of the Faculty	Designation
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





## **KARPAGAM UNIVERSITY**

A JOINT PROGRAMME OF  
CENTRE FOR HUMAN RESOURCE  
DEVELOPMENT

*and*

DEPARTMENT OF BIOTECHNOLOGY  
(FASH)

### **SHORT TERM COURSE ON CONSERVATION OF MEDICINAL PLANTS**

03/05/2016 TO 10/05/2016

## **KARPAGAM UNIVERSITY**

(Established Under Section 3 of UGC Act, 1956)

Pollachi Main Road, Eachanari Post,  
Coimbatore – 641021

Phone: 0422-2980011 – 15

Fax: 0422-2611043

#### Resource Persons

**03.05.2016**

Dr. R. Viswanathan  
Principal Scientist, Pathology  
Sugarcane Breeding Institute, Coimbatore

**04.05.2016**

Dr. S. Babu, Professor  
Department of Plant Biotechnology  
VIT University, Vellore

**05.05.2016**

Dr. P. Gopalan, Professor  
Karpagam University, Coimbatore

**06.05.2016**

Dr. N. Parthasarathy, Senior Professor  
Department of Environmental Sciences  
Pondicherry University, Puducherry

**07.05.2016**

Dr. S. M. Sundarapandian, Professor,  
Department of Environmental Sciences  
Pondicherry University, Puducherry

**09.05.2016**

Dr. V.C. Saralabai, Assistant Professor,  
Department of Botany,  
Govt. Arts College, Coimbatore

**10.05.2016**

Dr. T. Citarasu, Associate Professor,  
Department of Biotechnology  
M.S. University, Tirunelveli

#### **ORGANIZING COMMITTEE**

##### **Chief Patron**

Dr. S. Subramanian,  
Vice-Chancellor,

##### **Patron**

Dr. G. Sekar, Registrar,

Dr. M. Palaniswamy, Dean (FASH)

##### **Convenor**

Dr. A. Manickam, Head,  
Department of Biotechnology

##### **Organizing Secretary**

Dr. G. R. Prabu, Associate Professor,  
Department of Biotechnology

##### **Members**

Dr. T. D. Teepica Priyadarshini  
Dr. A. Sangilimuthu  
Dr. G. R. Prabu  
Dr. P. Rajiv  
Dr. P. Shree Priya, Assistant Professors  
Department of Biotechnology

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

**REPORT ON  
“SHORT TERM COURSE ON CONSERVATION OF MEDICINAL PLANTS”**

The Department of Biotechnology (FASH) organized and conducted a “Short term Course on Conservation of Medicinal Plants” from 03/05/2016 to 10/05/2016 in Department of Biotechnology, Karpagam University. Dr. A. Manickam, Head, Biotechnology, welcomed the gathering and highlighted the outcomes of the program. All the faculty members from the department actively participated and learned the importance of medicinal plants in view of conservation aspect. Resource persons from versatile institutes Dr. R. Viswanthan, Principal Scientists, Sugarcane Breeding Institute, Coimbatore, Dr. S. Babu, VIT, Vellore, Dr. P. Gopalan, Karpagam University, Dr. N. Parthasarathy, Pondicherry University, Puducherry, Dr. M. Sundarapandian, Pondicherry University, Puducherry, Dr. V. C. Saralabai, Coimbatore and Dr. T. Citarasu, Tirunelveli have delivered their research findings and current research knowledge to the scientific people. Overall, the short-term course emphasize that it is indeed to protect the medicinal plants though biotechnology tools to prevent the plants from extinction. Dr. G. R. Prabu, Organizing Secretary, summarized the highlights of lecture given by guests and delivered vote of thanks.



Short term Course on Conservation of Medicinal Plants from 03/05/2016 to 10/05/2016 in Department of Biotechnology

# KARPAGAM UNIVERSITY

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

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

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

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

**Short term course on conservation of medicinal plants**

**Date: 03/05/2016 to 10/05/2016**

**Venue: Bharathi Hall**

**List of Faculty Members participated**

<b>Sl. No.</b>	<b>Faculty Name</b>
1.	Dr. A. Manickam
2.	Dr. T. D. Teepica Priyadarshini
3.	Dr. G.R. Prabu
4.	Dr.A.Sangilimuthu
5.	Dr.P.Rajiv
6.	Dr. P. Shree Priya



## **Faculty Development Programme Skill Development on Global Communicative English**

**(02.05.2016 to 14.05.2016)**

*Cordially invites you all to the Inaugural function*

*on*

*2<sup>nd</sup> May 2016 (Monday)*

*at 09.30 a.m. at MBA Seminar Hall*

**Dr. R. Vasanthakumar**

President, Karpagam University

Will preside over the function

**Dr. S. Sudalaimuthu**

Vice-Chancellor, Karpagam University

Has consented to Inaugurate

**Col. P. Jayaraj**

Director,

Col's Calibre

Delivers the keynote address



# KARPAGAM UNIVERSITY : COIMBATORE - 641 021

Tentative list of Trainees for English Training from 02-05-16 to 14.05.2016

Sl.No	Department	Faculty	Faculty
<b>Faculty of Arts, Science &amp; Humanities</b>			
1	Tamil	Dr.R.Madhan Kumar	Dr.S.Kavitha
2	English	Dr. S. Selvalakshmi	R. Annalakshmi
3	Mathematics	Dr. K. Kalidass	Ms. A. Neerajah
4	Physics	Dr.V.Senthil Kumar	S. Sharmila
5	Chemistry	R.Sharmila Devi	Dr. A. Thangamani
6	Biochemistry	Dr. K.Devaki	Dr.K.Poornima
7	Microbiology	K.V. Ashok Raj	Dr. K. Gobianand
8	Electronics & Communication Systems	C. Priyadarsini	S. Muthukrishnan
9	Computer Science	Dr. S.Manjupriya	K.Kathirvel
10	Information Technology	Dr. R.Gunasundari	Dr. D.Shanmuga Priyaa
11	Computer Applications	T. Rubya	K. Kalaiselvi
12	Commerce	N.Kodhai Nayaki R. Judith Priya P. Kalaivani S. Sambath Kumar	Dr. S. Hemalatha Beepu Nair K. Kavitha
13	Management (UG)	Dr.M.Nandhini	M. Usha
14	Management (PG)	P. Sathiya Bama	Dr. V. Shanthaamani
15	Physical Education	Dr. S. Suthakar	A. Sakthivel
16	Library	Dr. N. Krishnaswamy	-

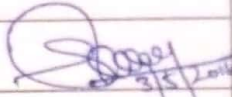
## Faculty of Engineering

1	Mathematics (S&H)	M.Deivanayaki	P.Karpagam M. Kokilamani
2	Mechanical Engineering	R.Karuppasamy P. Arunkumar (DOJ: 01.07.2010)	D.Anandakumar T.M. Karthikeyan
3	CSE	T.Mohan Raj	S.Shahul Hammed
4	EEE	-	M. Venkatesan
5	ECE	G.R. Mahendra Babu	M. Darani Kumar
6	Aerospace Engineering	R. Suresh Balaji	J. Arun Prakash
7	Civil Engineering	A. Thangadurai K. Rubini	J. Jenin Rajasingh M. Vidhya
8	English (S&H)	C. Kavitha	-
9	Automobile Engineering	R. Bharat Balaji	K.R. Sandhya
10	B.Tech Biotechnology	P. Esther Jemima	P. Sandhya
11	Chemistry (S&H)	Dr. P. Muthukrishnan	-
12	Pharmacy	Abdul Khayum	-

**KARPAGAM UNIVERSITY**  
**FACULTY DEVELOPMENT PROGRAMME**  
**Skill Development on Global Communicative English**

**Date: 03.05.2016**

**Day: Tuesday (FN)**

S. No	Name of Participant	Faculty (FASH/FOE)	Department	Signature
1	Dr. S. Suthakar	FASH	Phy. Edn.	
2	S. MUTHUKRISHNAN	FASH	ECS	S. Muthu
3	KUPPANNAN GOBIANAN	FASH	MICROBIOLOGY	U. S. K. G. 03/05/16
4	Dr. S. Kavitha	FASH	TAMIL	Dr. S. Kavitha 3/5/16
5	A. NEERAJAH	FASH	MATHS	A. Neerajah 3/5/16
6	Dr. K. POORNIMA	FASH	Biochemistry	Dr. K. Poornima
7	Dr. K. Kalidass	FASH	MATHEMATICS	Dr. K. Kalidass
8	Dr. K. Devaki	FASH	Biochemistry	Dr. K. Devaki
9	P. KARAIYAN	FASH	Commerce	P. Karaiyan
10	P. Sathiyabama	FASH	MBA	P. Sathiyabama
11	Dr. V. Shanmugam	FASH	MBA	Dr. V. Shanmugam
12	R. ANNALAKSHMI	FASH/English	English	R. Annalakshmi
13	K. Kathirvel	FASH	CS	K. Kathirvel
14	S. Sambath Kumar	FASH	Commerce	S. Sambath Kumar
15	Dr. S. Hemalatha	FASH	Commerce	Dr. S. Hemalatha
16	K. Kavitha	FASH	Commerce	K. Kavitha
17	Dr. M. Nandhini	FASH	Management	Dr. M. Nandhini
18	M. Usha	FASH	Management	M. Usha
19	C. Priyadharini	FASH	ECS	C. Priyadharini
20	R. Sharmila Devi	FASH	Chemistry	R. Sharmila Devi



**KARPAGAM UNIVERSITY**  
**FACULTY DEVELOPMENT PROGRAMME**  
Skill Development on Global Communicative English

**Date: 03.05.2016**

**Day: Tuesday (FN)**

S. No	Name of Participant	Faculty (FASH/FOE)	Department	Signature
21	S. Shreemila	FASH	Physics	S.S.
22	A. Sakthivel	FASH	Phy. Edu	A. Sakthivel
23	Dr. A. Thangamani	FASH	Chemistry	A. Thangamani
24	Dr. V. SENTHIL KUMAR	FASH	PHYSICS	V. Senthil Kumar
25	SURESH BALAJI R	FOE	AERO	S. Suresh Balaji
26	M. VENKATESAN	FOE	EEE	M. Venkatesan
27	S. SHAHUL HAMMED	FOE	CSE	S. Shahul Hammed
28	J. LENIN RAJASINGH	FOE	CIVIL	J. Lenin Rajasinh
29	R. BHARAT BALAJI	FOE	AUTO	R. Bharat Balaji
30	K. R. SANDHYA	FOE	AUTO	K. R. Sandhya
31	P. Esther Jemima	FOE	B. Tech Biotech	P. Esther Jemima
32	M. Deivanayagi	FOE	S&H Mathematics	M. Deivanayagi
33	P. Sandhya	FOE	B. Tech Biotech	P. Sandhya
34	K. V. ASHOK RAJ	FASH	MICROBIOLOGY	K. V. Ashok Raj
35	K. RUBINI	FOE	CIVIL	K. Rubini
36	P. KARPAGAM	FOE	S&H	P. Karpagam
37	M. Vidhya	FOE	Civil	M. Vidhya
38	T. Rubya	FASH	Comp. App.	T. Rubya
39	Dr. S. Manju Priya	FASH	CS	Dr. S. Manju Priya
40	Dr. D. Shanmuga Priya	FASH	IT	Dr. D. Shanmuga Priya

**KARPAGAM UNIVERSITY**  
**FACULTY DEVELOPMENT PROGRAMME**  
**Skill Development on Global Communicative English**

**Date: 03.05.2016**

**Day: Tuesday (FN)**

S. No	Name of Participant	Faculty (FASH/FOE)	Department	Signature
41	K. Kalaiseli	FASH	CA	K. Kalaiseli 3/5/16
42	Dr. R. Gurusundari	"	IT	Dr. R. Gurusundari 3/5/16
43	T.M. Kartikeyan	FOE	Mechanical	T.M. Kartikeyan
44	P. ARUN KUMAR	FOE	MECH	P. Arun Kumar
45	ANANDAKUMAR.D	FOE	MECH	Anandakumar.D
46	N. Kodhai Nageshi	FASH	Commerce	N. Kodhai Nageshi
47	Judith Priya.R	FASH	Commerce	Judith Priya.R
48	ABDUL ISHAKUM	FDP	Pharmacy	Abdul Ishakum
49	C. KAVITHA	FOE	English	C. Kavitha
50	P.M. JAYAKRISHNAN	FOE	Chemistry	P.M. Jayakrishnan
51				
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Seven Days STC on

**'Biological Assays'**

**April - 2016  
(18.04.2016 -25.04.2016)**

**ORGANIZING COMMITTEE**

**PATRONS**

**Dr. S. SUBRAMANIAN  
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Karpagam University**

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

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

**CONVENOR  
Dr. S. Ravi  
HOD, 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. C.V Anuradha  
Professor, Dept. of Bio-Chemistry  
Anamalai University**

**Dr. S. Manoharan  
Professor, Department of Bio-Chemistry,  
Anamalai University.**

**Dr. J. Angayarkanni  
Assistant Professor  
Department of Microbial Biotechnology,  
School of Biotechnology and Genetic  
Engineering,  
Bharathiar University**

**Dr. P. Indra Arulselvi  
Department of Biotechnology  
Assistant Professor  
Periyar University.  
Tamilnadu.**



Seven Days Short Term Course on

**'Biological Assays'**

**April - 2016  
(18.04.2016-25.04.2016)**

**A Joint Programme of Centre For  
Human Resource 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 Short term course on “*Biological Assays*” conducted between 18-04-16 to 25-04-2016**

A Short term course on “**Biological Assays**” conducted between 18-04-16 to 25-04-2016 for the Faculty members of Department of Chemistry. About 10 faculty members attended the programme.

This short term course aims to provide opportunities to faculty members to enrich their technical knowledge in the field of biological assays. 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 biological assays. 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. A. Thangamani.



**Dr. S. Ravi gives welcome note about today resource person Dr. S. Manoharan**

*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**

Short term course on “*Biological Assay*”

**Date:** From 18-04-16 to 25-04-16

**Venue:** Department of Chemistry

**Name list**

<b>S. No.</b>	<b>Name of the Faculty</b>
1	Dr.S.Ravi
2	Mrs. R.Sharmila Devi
3	Dr.A.Thangamani
4	Dr.M.R.Ezhilarasi
5	Dr.K.Sundaram
6	Dr.M.Makeswari
7	Dr.S.Venkatachalapathi
8	Ms.B.Prabha
9	R.Kumar
10	Ms. R.Ranjitha

## 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.T.Mohanraj, Assistant Professor,FOE,KAHE

### Organizing Team Members:

Ms. R. Ranjani,Assistant Professor, FOE,KAHE.

Mr.R. KarthikAssistant Professor, FOE, KAHE

Ms. G. Gomathi, Assistant Professor, FOE, KAHE

## PROGRAMME SCHEDULE

Inauguration 9.30 am - 10.30 am

### DAY I

Topic : "Introduction to Big data"

Speaker: Mr. B. Arun kumar, Assistant Professor, KAHE, Coimbatore

### DAY II

Topic : "Big Data Analytics"

Speaker: Dr.K.Periyakaruppan, SNS College of Engineering, Coimbatore

### DAY II

Topic : "Data Mining and Warehousing"

Speaker: Dr.S.Manoj kumar, KIT, Coimbatore

### DAY IV

Topic : "Artificial Intelligence "

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

### DAY V

Topic : "Tools to Analyse Data"

Speaker: Dr.K.Lokesh, HIT,Coimbatore

### DAY VI

Topic : "Trends in Big data"

Speaker: Dr.A.Sabari, KSR, Tiruchengode

### DAY VII

Topic : " Hands on Training on Tools"

Speaker: Dr.PS.Prakash, RVS, Coimbatore



## 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 Big Data Analytics

18<sup>th</sup> Apr to 25<sup>th</sup> Apr 2016



Organized by  
Department of Computer Science and Engineering

Venue: UE LAB



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

**SHORT TERM COURSE REPORT ON**

**Big Data Analytics**

**Area:** Big data Analytics

**Date:** 18.04.2016-25.04.2016

**Venue:** UE LAB

**FDP SUMMARY:**

**Introduction to BIG DATA**

Big Data is also **data** but with a **huge size**. Big Data is a term used to describe a collection of data that is huge in size and yet growing exponentially with time. In short such data is so large and complex that none of the traditional data management tools are able to store it or process it efficiently.

**Types of Big Data**

Big Data could be found in three forms:

1. Structured
2. Unstructured
3. Semi-structured

**Need for the Topic**

Big data analytics is the process of extracting useful information by analysing different types of big data sets. Big data analytics is used to discover hidden patterns, market trends and consumer preferences, for the benefit of organizational decision making. There are several steps and technologies involved in big data analytics.

**Key Points Discussed:**

- Introduction to Big data
- Examples of Big Data generation includes stock exchanges, social media sites, jet engines, etc.

- Tools used - Hadoop
- Volume, Variety, Velocity, and Variability are few Characteristics of Bigdata
- Applications of Big data



**Big Data and its Application Lecture by Mr.B.Arunkumar, Assistant Professor, Dept. of CSE on 18.04.2016**

# 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: 0422-6471113-4, 6453777 Fax No: 0422 – 2980022-23

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 COMPUTER SCIENCE AND ENGINEERING**

**SHORT TERM COURSE**

**ON**

**BIG DATA ANALYTICS**

**List of Participants**

**18<sup>th</sup> - 25<sup>th</sup> April 2016**

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

## ORGANIZING COMMITTEE

### Chief Patron

**Dr..Subramaniam**

*Vice Chancellor*

*Karpagam Academy of Higher Education*

### Patrons

**Dr.R.Sundararajan**

*Registrar*

*Karpagam Academy of Higher Education*

**Dr.C.R.Hema**

*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.Daranikumar/Assistant Professor**

*Department of Electronics & Communication Engg*

*Faculty of Engineering*

*Karpagam Academy of Higher Education*

*Mail: [daranikumar.m@kahedu.edu.in](mailto:daranikumar.m@kahedu.edu.in)*

*Contact No: +91 9843533202*

Organizing Team Members

Dr.S.Kamalraj Associate Professor/ECE/KAHE

Mr.J.Shafiq Mansoor AP/ECE/KAHE

Mr.G.R.MahendraBabu AP/ECE/KAHE

## Topics to be Covered:

### DAY 1:



IC Design Flow, Process Integration, IC Fabrication

**Speaker:**Dr .S. Subha Rani Professor & Head, ECE

PSG College of Technology. Coimbatore

### DAY 2:



Layout Techniques, Standard Cell design

**Speaker:**Dr.K.Gunavathi,Professor, ECE

PSG College of Technology, Coimbatore

### DAY 3:



Design of algorithms for Image and Data Encryption

**Speaker:**Dr.S.Uma,Professor, ECE,

Coimbatore Institute of Technology

### DAY 4:



Security Protocols and mechanisms, Cryptography algorithms, issues of Symmetric cipher cryptanalysis

**Speaker:**Dr.M.Poongothai

Associate Professor, ECE

Coimbatore Institute of Technology

### DAY 5:



Internet of Things-Privacy and Security Research aspects and direction

**Speaker:**Dr.A.Rajeswari Professor & Head, ECE

Coimbatore Institute of Technology

### DAY 6 :



Modeling, Simulation of data encryption/ decryption systems.

**Speaker:**Dr.A.Albert RajProfessor &Head, ECE

Sri krishna college of Engineering

&Technology,Coimbatore

### DAY 7 :



Analog IC design flow.



Layout optimization based on performance metrics.

**Speaker:**Dr.sudhaSrinivasan,Prof&Head,ECEHindustan

college of Engineering &

Technology,Coimbatore

**Venue:** VLSI Laboratory

## KARPAGAM ACADEMY OF HIGHER EDUCATION

(Deemed to be University)

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A Joint Programme of Centre for Human Resource  
Development

and

Department of Electronics & Communication  
Engineering

**Organizes**

**Seven Days PDP**

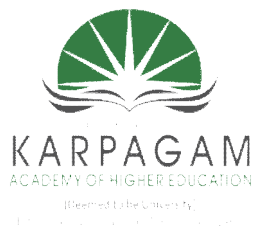
**On**

**"Network Security and CMOS mixed  
signal Architecture"**

**on**

**18.04.2016 to 25.04.2016**





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## **FACULTY OF ENGINEERING**






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

Report of Seven Days PDP Program on "Network Security and CMOS mixed signal Architecture" held on 18.04.2016 to 25.04.2016, organized by Department of Electronics & Communication Engineering, KAHE.

The Seven Days Professional Development Program on "Network Security and CMOS mixed signal Architecture" important research topic at present due to wide use of secure data transmission in real time viz., banking, insurance, online transactions, markets, telecommunication, electrical power distribution, health and medical fields, nuclear power plants, space research and satellites.

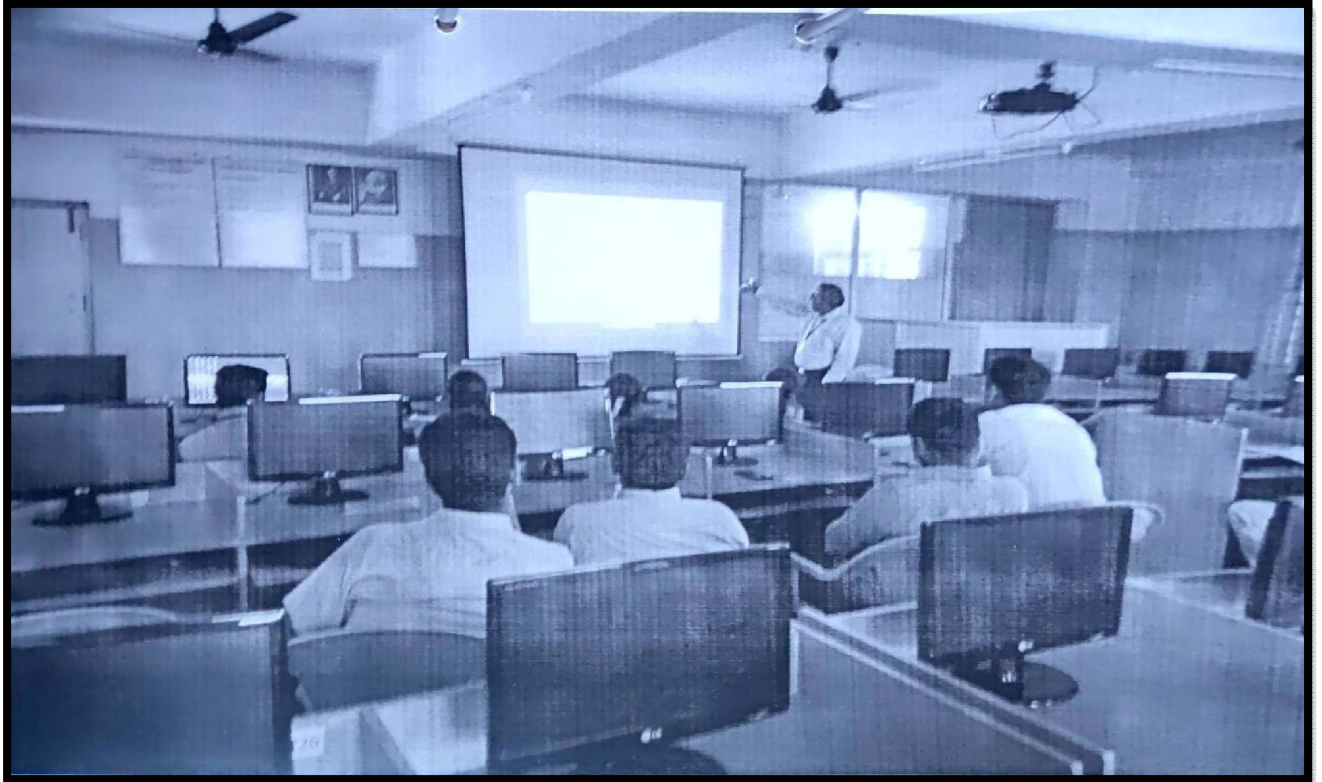
The recent initiatives viz., digital India, demonetization and encouragement of online transactions by Indian Government further aids the importance and necessity of security in data transmission. In addition, the demand for portability necessitates the design of low power hardware for data security as they are mostly battery operated. This Faculty Development Programme is organized to provide an awareness about the need for network security and design of low cost hardware for its implementation.

### **Topics to be Covered:**

-  IC Design Flow, Process Integration, IC Fabrication
-  Layout Techniques, Standard Cell design
-  Design of algorithms for Image and Data Encryption
-  Security Protocols and mechanisms, Cryptography algorithms, issues of Symmetric cipher cryptanalysis
-  Internet of Things-Privacy and Security Research aspects and direction

### **Hands-on Sessions:**

- ✚ Modeling, Simulation of data encryption/ decryption systems.
- ✚ Analog IC design flow
- ✚ Layout



optimization based on performance metrics

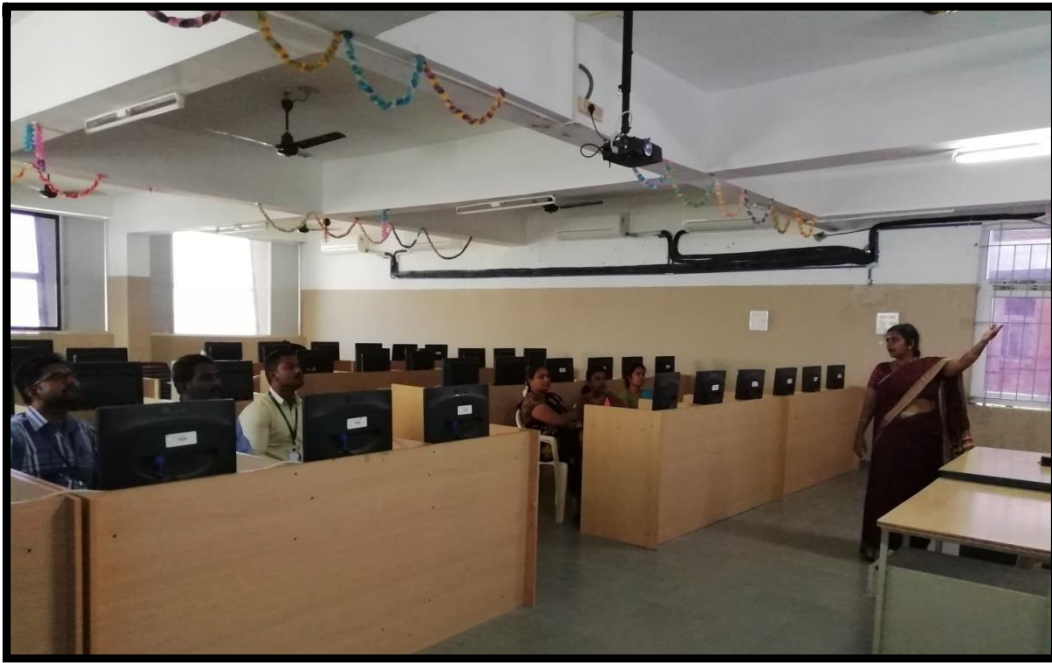
Glimpses of Seven Days PDP Program on "Network Security and CMOS mixed signal Architecture" held on 18.04.2016 to 25.04.2016, A Joint Program of Centre for Human Resource Development and Department of Electronics and Communication Engineering, KAHE.

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

**Glimpses of Seven Days PDP Program on "Network Security and CMOS mixed signal Architecture" held on 18.04.2016 to 25.04.2016, organized by Department of Electronics & Communication Engineering, KAHE.**



Session handles by Dr.S.Uma,Professor, ECE, Coimbatore Institute of Technology on Design of algorithms for Image



Session handles by Dr.S.Uma,Professor, ECE, Coimbatore Institute of Technology on Design of algorithms for Data Encryption



Session handles by Dr.M.Poongothai, Associate Professor, ECE, Coimbatore Institute of Technology





Session handles by Dr.sudha Srinivasan, Prof &Head, ECE ,Hindustan college of Engineering & Technology, Coimbatore on Analog IC design flow, Layout optimization based on performance metrics.

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

**Seven Days PDP Program on "Network Security and CMOS mixed signal Architecture"  
18.04.2016-25.04.2016**

**LIST OF PARTICIPANTS**

<b>S.No.</b>	<b>NAME</b>	<b>DESIGNATION</b>	<b>DEPARTMENT</b>
1	Dr. S. Bhavani	Professor & Head	Faculty of Engineering, KAHE
2	Prof. Muthuraman Ramasamy	Professor	Faculty of Engineering, KAHE
3	Dr. P. Manimegalai	Professor	Faculty of Engineering, KAHE
4	Dr. Kamalraj Subramaniam	Associate Professor	Faculty of Engineering, KAHE
5	G.R. Mahendra Babu	Assistant Professor	Faculty of Engineering, KAHE
6	K.P. Sridhar	Assistant Professor	Faculty of Engineering, KAHE
7	M. Darani Kumar	Assistant Professor	Faculty of Engineering, KAHE
8	C. Pandiarajan	Assistant Professor	Faculty of Engineering, KAHE
9	D. Yasar Arfath	Assistant Professor	Faculty of Engineering, KAHE
10	A. Jerome Christhudass	Assistant Professor	Faculty of Engineering, KAHE
11	M. Mathi Vijay	Assistant Professor	Faculty of Engineering, KAHE
12	S.Chellaganesavalli	Assistant Professor	Faculty of Engineering, KAHE
13	T.S. Aravinth	Lecturer	Faculty of Engineering, KAHE
14	M.Arun	Lecturer	Faculty of Engineering, KAHE
15	J. Shafiq Mansoor	Lecturer	Faculty of Engineering, KAHE
16	N. Kaleeswari	Assistant Professor	Faculty of Engineering, KAHE
17	G. Rajarathinam	Assistant Professor	Faculty of Engineering, KAHE

## ORGANIZING COMMITTEE

### Chief Patron

**Dr.S.Sudalaimuthu**

Vice Chancellor

Karpagam University

### Dr. G. Sekar

Registrar

Karpagam University

### Patron

**Dr. R. Sundararajan**

Dean / FOE

Karpagam University

### Convenor

**Dr.P.Senthil**

Professor & Head

Department of Mechanical Engg.,

Karpagam University

### Organizing Secretaries

**Mr.Milon D.Selvan, AP/ Mech**

**Mr.P.Dhatchinamoorthi, AP/ Mech**

## Program Schedule:

Date	Topic	Resource Person
18.04.16	Introduction to the design process, Theories of failure and Design based on strength and stiffness	Dr. P. Senthil Professor / Mechanical / KU
19.04.16	Design for variable loading and Design of solid and hollow shafts	
20.04.16	Rigid and flexible couplings Threaded fastners	Dr.P.V.Rajendra Sethupathi, Professor / Mechanical / KU
21.04.16	Knuckle joints and cotter joints Welded joints and riveted joints	Dr.N.M.Sivaram Associate Professor / Mechanical / KU
22.04.16	Hydrodynamic journal bearings	Dr.Debabrata Barik Associate Professor / Mechanical / KU
23.04.16	Sliding and rolling contact bearings	Mr.P. Dhachinamoorthi Assistant Professor / Mechanical / KU
25.04.16	Types of springs Connecting rods and crank shafts	Mr.Milon D.Selvam Assistant Professor / Mechanical / KU

## KARPAGAM UNIVERSITY



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

**Professional Development Programme  
On  
“Design of Machine Elements”**

**18<sup>th</sup> - 25<sup>th</sup> April 2016**

**Venue: Seminar Hall – Mechanical Engineering**

**Organized by  
Department of Mechanical Engineering  
*Faculty of Engineering***

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

**Report on Professional Development Programme on Design of Machine  
Elements**

**Date / Venue : 18.04.2016 to 25.04.2016 / UE – 308 (Mechanical Seminar Hall)**

**Programme Description:**

- Dr.R.Sundararajan, Dean – Faculty of Engineering, Karpagam University inaugurated the programme.
- Dr.P.Senthil, Professor, Department of Mechanical Engineering delivered the welcome address and welcomed all the Faculty members and Participants.
- Day 1(18.04.2016) was handled by Dr.P.Senthil, Professor, Department of Mechanical Engineering. He handled the session with the topic of Introduction to the design process and Theories of failure and Design based on strength and stiffness.
- Day 2 (19.04.2016) also was handled by Dr.P.Senthil, Professor, Department of Mechanical Engineering. He handled the session with the topic of Design for variable loading and Design of solid and hollow shafts.
- Day 3 (20.04.2016) was handled with the topic of Rigid and flexible couplings and Threaded fasteners by Dr.P.V.RajendraSethupathi, Professor / Mechanical / KU
- Day 4 (21.04.2016) was handled with the topic of Knuckle joints, cotter joints, Welded joints and riveted joints by Dr.N.M.Sivaram, Associate Professor / Mechanical / KU
- Day 5 (22.04.2016) was handled with the topic of Hydrodynamic journal bearings by Dr.Debabrata Barik, Associate Professor / Mechanical / KU
- Day 6 (23.04.2016) was handled by Mr.P. Dhachinamoorthi, Assistant Professor / Mechanical / KU and Day 7 was handled by Mr.MilonD.Selvam, Assistant Professor / Mechanical / KU with the topics of Sliding and rolling contact bearings, Types of springs, Connecting rods and crank shafts respectively.
- Last session was feedback and valedictory. The valedictory session was graced by Mr.P.Dhatchinamoorthi, Assistant Professor, Department of Mechanical Engineering, KAHE.





**Session was taken by Dr.P.V.Rajendra Sethupathi on 20.04.2016**



**Session was taken by Dr.N.M.Sivaram on 21.04.2016**

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

**Professional Development Programon “Design of Machine Elements”  
18<sup>th</sup> to 25<sup>th</sup> April 2016**

**LIST OF PARTICIPANTS**

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

16.	Mr.A. P. Arunkumar	Assistant Professor
17.	Mr.K. Prasath	Assistant Professor
18.	Mr.P. Dhachinamoorthi	Assistant Professor
19.	Mr.N. Vimal Raj	Assistant Professor
20.	Mr.G.Vignesh	Assistant Professor
21.	Mr.A.J.R.Nelson	Assistant Professor
22.	Mr.K. Naveen Kumar	Assistant Professor
23.	Mr.P.Paranthaman	Assistant Professor
24.	Mr.M.Prakash	Assistant Professor
25.	Mr.U.P. Arunkumar	Assistant Professor
26.	Mr.P.Ragupathi	Assistant Professor
27.	Mr.J.Arunprakash	Assistant Professor
28.	Mr.R.Sureshbalaji	Assistant Professor
29.	Mr.P.Prakash	Assistant Professor
30.	Mr.R.Hariganesh	Assistant Professor
31.	Mr.ArulPrakasam	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,  
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Coimbatore - 641 021,



+91-422 – 2980011 – 14



info@kahedu.edu.in

## MoUs

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



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



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Dr.R.Sundararajan, Registrar, Karpagam

University

Dr. P. Palanivelu, Controller of Examinations, Karpagam University

Dr. M.Palaniswamy, Dean, Faculty of Arts,

Science and Humanities, Karpagam

University

### Convener

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

Commerce

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Dr.K.Kumuthadevi

N.Kodhai Nayaki

P. Soundaravalli

### Executive Committee Members

N. Sumathi

W.Saranya

Dr. S. Hemalatha

K. Gomathi

K. Kavitha

Deepu Nair

Dr. K. Jothi

P. Kalaivani

A. Geethalakshmi

## About the Programme:

Human resource management is a contemporary, umbrella term used to describe the management and development of employees in an organization. Also called personnel or talent management (although these terms are a bit antiquated), human resource management involves overseeing all things related to managing an organization's human capital.

**DATE: 13.04.2016 to 19.04.2016**



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

## SHORT TERM COURSE

HANDLING  
HUMAN RESOURCES IN  
✓ ORGANISATIONS

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

**SHORT TERM COURSE ON  
HANDLING HUMAN RESOURCES IN ORGANISATIONS**

The Department of Commerce organized a Short Term Course on Handling Human Resources in Organisation during 13.04.2016 to 19.04.2016. The faculty members of FASH, FOE participated in this programme. The resource person gave insight towards Human Resource and researchers found it very useful and informative.

Human resources or HR is the company department charged with finding, screening, recruiting, and training job applicants, and administering employee-benefit programs. As companies reorganize to gain a competitive edge, HR plays a key role in helping companies deal with a fast-changing environment and the greater demand for quality employees.

An HR department is an essential, if not critical, component of any business regardless of the organization's size. It focuses on maximizing employee productivity and protecting the company from any issues that may arise from the workforce. HR responsibilities include compensation and benefits, recruitment, firing, and keeping up to date with any laws that may affect the company and its employees.

- Managing and using people effectively
- Tying performance appraisal and compensation to competencies
- Developing competencies that enhance individual and organizational performance
- Increasing the innovation, creativity, and flexibility necessary to enhance competitiveness
- Applying new approaches to work process design, succession planning, career development, and inter-organizational mobility
- Managing the implementation and integration of technology through improved staffing, training, and communication with employees

**HUMAN RESOURCES IN ORGANIZATIONS**

Human resources managers oversee the most important component of a successful business – a productive, thriving workforce. This requires viewing people as human assets, not costs to the organization. As with any other asset, a talented workforce can be used strategically to add value to an organization.

## **STRATEGIC ROLE OF HRM**

The human resources management team suggests to the management team how to strategically manage people as business resources. This includes recruiting and hiring employees with specific skill sets to meet the company's current and future goals, coordinating employee benefits and suggesting employee training and development strategies. In this way, HR professionals are consultants, not workers in an isolated business function; they advise managers on many issues related to employees and how they help the organization achieve its goals.

## **DEVELOPING SKILLS FOR THE FUTURE**

At all levels of the organization, managers and HR professionals work together to develop employees' skills. For example, HR professionals advise managers and supervisors how to assign employees to different roles in the organization, thereby helping the organization adapt successfully to its environment. In a flexible organization, employees are shifted around to different business functions based on business priorities and employee preferences.

## **BUILDING LOYALTY AND COMMITMENT**

HR professionals also suggest strategies for increasing employee commitment to the organization. This begins with using the recruiting process or matching employees with the right positions according to their qualifications. Once hired, employees must be committed to their jobs and feel challenged throughout the year by their manager.

## **STAYING CURRENT AND COMPETITIVE**

Human resource management requires strategic planning to address not only the changing needs of an employer but also a constantly shifting competitive job market. Employee benefit packages must be continually assessed for costs to the employer. Tweaking the packages also provides an opportunity to increase employee retention through the addition of vacation days, flexible working arrangements or retirement plan enhancements. For example, in recent years many human resource professionals have overseen the addition

of preventative health components to traditional health plans for both employment recruitment and retention efforts.

## **CONCLUSION**

Human Resources is also the function in an organization that deals with the people and issues related to people such as compensation and benefits, recruiting and hiring employees, onboarding employees, performance management, training, and organization development and culture.



The Guest of the day along with faculties were discussing on Handling Human resources.



# **KARPAGAM UNIVERSITY**

**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 Handling Human Resources in Organizations**

**13.4.2016 to 19.4.2016**

#### **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
26	N.Kalaiaarasi	Assistant Professor

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**Dr.S.SUDALAIMUTHU**

*Vice-Chancellor*

**Dr.M.Palaniswamy**

Registrar

### **CONVENOR**

**Dr.G.K.D.Prasanna Venkatesan**

Dean, Faculty of Engineering

### **CO-CONVENOR**

**Dr.N.Balasundaram**

Professor & Head

Department of Civil Engineering

**Dr.M.Natarajan**

Professor

Department of Civil Engineering

### **ORGANIZING SECRETARIES**

**A.Thangadurai ,**

Assistant Professor,

Civil Engineering Department

### **COMMITTEE MEMBERS**

- Dr.Pa.Ganeshwaran, Professor / Civil
- Dr.G.R.Vijayashankar, Asso. Professor / Civil
- S.Gobhiga, AP/Civil
- M.Sasi Kumar, AP/Civil
- A.Thangadurai, AP/Civil
- V.Venugopalan, AP/Civil
- E.Ezhilarasi, AP/Civil
- B.Preetiwini, AP/Civil

## **RESOURCE PERSONS:**

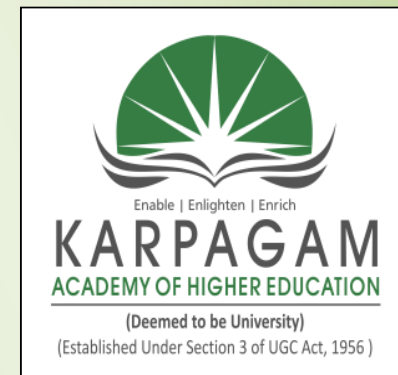
- **Dr.J. Shankar,**  
Consulting Engineer, Surrya Builders, Salem

### **ABOUT THE PROGRAM**

The department has planned to conduct hands on training on civil engineering labs for the Non teaching staffs to enhance the skill set of people for well equipped laboratories which provide practical instruction to undergraduate students and facilities for post-graduate training, research work and consultancy work.

### **TOPICS TO BE COVERED**

- Concrete Laboratory
- Computational Laboratory
- Environmental Engineering Laboratory
- Geotechnical Engineering Laboratory
- Highway Engineering Laboratory
- Hydraulics Flow Laboratory
- Structural Engineering Laboratory
- Survey Laboratory



## **HANDS ON TRAINING ON CIVIL ENGINEERING LABS**

**from  
11.04.2016-16.04.2016**

**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: 0422-6471113, 6471115, 645377,  
Fax No : 0422-2980022, 2980023  
Email ID: [info@karpagam.com](mailto:info@karpagam.com)  
Web: [www.kahedu.edu.in](http://www.kahedu.edu.in)**

## REPORT

**Topic:** HANDS ON TRAINING ON CIVIL ENGINEERING LABS

**Expert Name:** Dr.J. Shankar

**Date:** 11.04.2016-16.04.2016

**Venue:** UM labs

**FDP SUMMARY:**

**Need for the Topic**

Civil engineering testing equipment is used in the quality control processes associated with the analysis of soils, concrete, asphalt, bitumen, cement and mortar, steel, aggregates, and other materials used in civil engineering. Civil engineering projects largely depend on the quality of their materials; therefore, testing equipment capable of providing consumers with accurate and repeatable results is imperative. While the mechanism in which the equipment performs analysis, procedures varies depending upon the material to be analyzed, these testing instruments are capable of analyzing the hardness, moisture content, permeability and other mechanical properties of the material of interest.

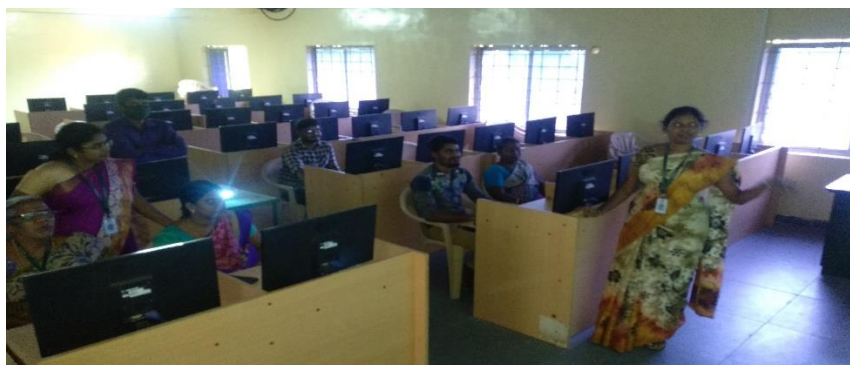
**Key Points Discussed:**

- Concrete Laboratory
- Computational Laboratory
- Environmental Engineering Laboratory
- Geotechnical Engineering Laboratory
- Highway Engineering Laboratory
- Hydraulics Flow Laboratory
- Structural Engineering Laboratory
- Survey Laboratory

**Session Outcome:**

At the end of the session the following outcomes were gained

- How to handle the lab equipment's effectively and assist the students



*Visually explaining the standard operating procedure for all the latest equipment's*

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

**DEPARTMENT OF CIVIL ENGINEERING**

**HANDS ON TRAINING ON CIVIL ENGINEERING LABS**

**11.04.2016-16.04.2016**

List of participants.

<b>S.No</b>	<b>Name of the Staff</b>	<b>Designation</b>
1.	N. Gomathi	Office staff
2.	B. Muthulakshmi	Lab assistant
3.	K.K. Muthulakshmi	Lab technician
4.	K. yogeswaran	Lab technician
5.	A. Pandiaya rajan	Lab technician



## 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

Ms. P. ESTHER JEMIMA  
ASSISTANT PROFESSOR  
DEPARTMENT OF BIOTECHNOLOGY (FOE)

### ORGANIZING TEAM MEMBERS

Ms. P. SANDHYA

ASSISTANT PROFESSOR

DEPARTMENT OF BIOTECHNOLOGY (FOE)

Ms. V. VIJAYALAKSHMI

ASSISTANT PROFESSOR

DEPARTMENT OF BIOTECHNOLOGY (FOE)

## KEYNOTE SPEAKERS

**11/04/2016:**

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

**12/04/2016:**

Dr.T.Vinoth Kumar, M.Sc., M.Phil., PGDCA., MCA.,  
Ph.D.  
Director,  
School of Biological Sciences at CMS college of  
Science and Commerce.

**13/04/2016:**

Dr.P.Ramalingam, Ph.D  
Professor, Kumaraguru College of Technology

**14/04/2016:**

Dr.T.Vinoth Kumar, M.Sc., M.Phil., PGDCA., MCA.,  
Ph.D.  
Director, School of Biological Sciences,  
CMS college of Science and Commerce.

**15/04/2016:**

Dr.P.Ramalingam, Ph.D  
Professor, Kumaraguru College of Technology

**18/04/2016:**

Dr.T.Vinoth Kumar, M.Sc., M.Phil., PGDCA., MCA.,  
Ph.D.  
Director,  
School of Biological Sciences,  
CMS college of Science and Commerce

**19/04/2016:**

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

## SHORT TERM COURSE ON RECENT ADVANCEMENT IN ENZYME TECHNOLOGY AND BIO PROCESS ENGINEERING

**11/04/2016-19/04/2016**

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

25.04.2016

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

**DEPARTMENT OF BIOTECHNOLOGY (FoE)**

**Report on Short Term Course on "Recent Advancement in Enzyme Technology and  
Bio Process Engineering"**

**11.04.2016 to 19.04.2016**

The short term course was organized by Faculty of Engineering, Department of Biotechnology, on "Recent advances in Enzyme technology and Bioprocess engineering" from 11.04.2016 to 19.04.2016 as part of professional development programme. **Dr.R.Thilagavathi**, Professor & Head, Department of Biotechnology welcomed the gathering. Followed by that, key note address was delivered by **Mrs. G. Jayaprabha**, Associate Professor, School of Biotechnology, Dr G R Damodaran College of Science. She initiated her lecture by explaining the latest enzyme technology methods and their merits and demerits in current scenario. She also insisted the importance of enzyme immobilization techniques in production processes.



Short term course on “Recent advances in Enzyme technology and Bioprocess engineering” was organized on 11.04.2016- 19.04 2016.

**Dr. T. Vinoth Kumar**, Director, School of Biological Sciences at CMS college of Science and Commerce was called as an invited speaker for this programme. He delivered a brief lecture on current advancement in bioprocess industries and their role in biotechnology sector. He also added that the productions of enzymes were becoming big task as its market prize was rising day by day for its huge demand in lifescience field. So, we need advanced techniques to overcome higher market prize.

The guest speaker - **Dr. P. Ramalingam**, Professor, Kumaraguru College of Technology narrated the role of each micro organism in enzyme production. He also explained the pathways involved in microorganism in the enzyme production process. He also emphasized the importance of genetic engineering techniques to increase the enzyme production rate in particular organism.

At the end of the session, faculty members were got exposure to recent advancement techniques in enzyme engineering through bioprocess technology.

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

**DEPARTMENT OF BIOTECHNOLOGY (FoE)**

**Snapshots of Short Term Course on “Recent Advancement in Enzyme Technology and  
Bio Process Engineering”**

**11.04.2016 to 19.04.2016**



Snapshots of Seven days Short term course on recent advances in enzyme technology and bioprocess engineering on **11.04.2016 - 19.04 2016.**

**A JOINT PROGRAMME OF  
CENTRE FOR HUMAN RESOURCE DEVELOPMENT  
AND  
DEPARTMENT OF BIOTECHNOLOGY (FoE)  
Short Term Course to Advancement in Enzyme Techn  
Bio Process Engineering'  
11.04.2016 to 19.04.2016**

**PARTICIPANT LIST**

Sl. No	Faculty Name	Signature
1	Dr. R. Thilagavathi	HoD
2	Mrs. G. Jeyalakshmi	Assistant professor
3	Ms. P. Sandhya	Assistant professor
4	Ms. P. Esther Jemi	Assistant professor
5	Ms. V. Vijayalakshmi	Assistant professor
6	Mr. A. Nandhakumar	Assistant professor



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Karpagam Academy of Higher  
Education, Coimbatore

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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 : Medicinal plants**

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

**Topic :Types of Isolation**

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

**Topic :Various Characterization  
methods**

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

**Topic : Identification of the  
compounds**

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

**Topic : Quantification of the  
compounds**

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

**Topic : To Develop the  
new products**

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

**Topic : To Produce the pilot  
scale level**



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

**AND**

## **DEPARTMENT OF BIOCHEMISTRY**

### **Short Term Course on "Isolation And Characterization of Bioactive Compounds from Medicinal Plants"**

**11.04.2016 to 18.04.2016**

**Organized by**

**DEPARTMENT OF BIOCHEMISTRY**

**Venue: Bharathi Hall**



# KARPAGAM UNIVERSITY

Karpagam Academy of Higher Education  
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## A JOINT PROGRAMME OF CENTRE FOR HUMAN RESOURCE DEVELOPMENT

AND

DEPARTMENT OF BIOCHEMISTRY

Date: 20.04.2016

### **CONSOLIDATED REPORT**

Biochemistry department has conducted “Short term course on Isolation and Characterization of Bioactive compounds from Medicinal plants” on 11.04.2016- 18.04.2016. Totally eight faculties have attended the program. The program was started on 11.04.2016 and initiated with inaugural function with all dignitaries from the KAHE. The Guest speaker Dr. P. R. Padma, Professor from Avinashilingam University who has shared her knowledge on types of medicinal plants and uses of medicinal plants in elaborate manner.

In day 2, Dr. K. Poornima has delivered about the Isolation of compounds. The day 3 and day 4 Dr. Sridhar Muthusami has delivered lecture on various characterization. Techniques and Identification of the bioactive compounds and its significance. On fifth and Sixth day, Dr. Jannet Vennila, Professor, Karunya University, has delivered the lecture on Quantification of the compounds and new product development. In Day 7, Dr. K. Devaki, KAHE, has delivered about the pilot scale production of active compounds.



**Dr. L. Hariprasath has delivered the lecture on Compound isolation**



## KARPAGAM ACADEMY OF HIGHER EDUCATION

### Department of Biochemistry

---

#### Short Term Course on "Isolation and Characterization of Bioactive compounds from Medicinal plants"

##### 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. S. Ram kumar	Assistant Professor
5	Dr. Bala subramanian	Assistant Professor
6	Dr.M. Sridhar muthusami	Assistant Professor
7	Dr. L. Hariprasath	Assistant Professor
8	Dr. J. Anitha	Assistant Professor

# Faculty Development Program ON Sustainable Practices

Date:  
21st DEC  
to  
28th DEC  
2015

Guest:  
Ar.Bhuvanasundram,M.B.E.M

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)*

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## DEPARTMENT OF ARCHITECTURE

### Report on the Professional Development Programme on “Sustainable Practice” conducted between 21.12.2015 - 28.12.2015

A Professional Development Programme on “**Sustainable Practice**” conducted between **21-12-15 to 28-12-2015** for the Faculty members of Department of Architecture. About 10 faculty members attended the programme.

This PDP aims To develop climatic design skills and techniques relevant to responsive built environmental design in the field of Sustainable Architecture. The programme also intends to understand low impact construction practices, life cycle costs and alternative energy resources. The programme also intends, To familiarize the students with the various rating systems for building practices with case studies.

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

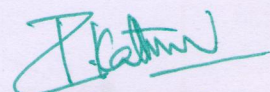




**FACULTY OF ARCHITECTURE, DESIGN AND PLANNING  
KARPAGAM ACADEMY OF HIGHER EDUCATION**

**List of Faculties  
AY:2015-16 - Odd Semester**

Sl.No	Staff Name	
1	Er.Shanmuga Sundaram	
2	Ar.Vimal C	
3	Ar.Maria Eapen	
4	Ar.Issac A	
5	Ar.Mohammed Sabiq A S P	
6	Mr.Panneerselvam J	
7	Ar.Janani T	
8	Ar.Siyar Sathayan	
9	Ar.Vaishnavi	
10	Ar.Karthick R	



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

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#### Dr. S.SUBRAMAINIAN

Vice Chancellor, Karpagam Academy of Higher Education

### Patron

#### Dr. G SEKAR,

Registrar, Karpagam Academy of Higher Education

#### Dr.C.R.HEMA,

Dean,  
Faculty of Engineering Karpagam Academy of Higher Education

### Convenor

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

### Organizing Secretary

Mr.T.Mohanraj, Assistant Professor, FOE, KAHE

### Organizing Team Members

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

Mr. A. Vijay, Assistant Professor, FOE,KAHE

Ms. R. Ranjani, Assistant Professor, FOE,KAHE

## PROGRAMME SCHEDULE

Inauguration 9.30 am - 10.30 am

### DAY I

Topic : "Introduction to Automata Theory "

Speaker :Dr.S. Kannimuthu,Associate  
Professor,CoimbatoreInstitute of  
Engineering

### DAY II

Topic : "Deterministic Finite theory"

Speaker: Dr.P.Jobby SJCET, Palai, Kottayam

### DAY III

Topic : "Non deterministic Automation"

Speaker: Dr.K.Periyakaruppan,  
SNS College of Engineering, Coimbatore

### DAY IV

Topic : "Automata real time applications "

Speaker: Mr.R.Kaviarasan, Alpha College of  
Engineering and Tech,Pondicherry

### DAY V

Topic : "Theories of Computation"

Speaker: Dr.S.Jayanthi,  
Guru Nank Institute of Technology

### DAY VI

Topic : "Classification of automata"

Speaker: Dr. M.Mohanapriya,  
CIT, Coimbatore

### DAY VII

Topic : " Turning Machine"

Speaker: Dr.P.Amuthabala, Reva  
University, Bangalore



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## KARPAGAM ACADEMY OF HIGHER EDUCATION

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

## Professional Development Program on Automata Theory

**14<sup>th</sup> Dec 2015 - 21<sup>st</sup> Dec 2015**

**Organized by**

Department of Computer Science and  
Engineering



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

**PDP REPORT ON AUTOMATA THEORY**

**Area:** Automata Theory

**Date:** 14.12.2015-21.12.2015

**Venue:** MBA Hall

**FDP SUMMARY:**

**Need for the Topic**

**Automata theory is important because it allows scientists to understand how machines solve problems.** An automaton is any machine that uses a specific, repeatable process to convert information into different forms. Modern computers are a common example of an automaton.

**Key Points Discussed**

- Automata Theory Introduction
- Automata Computability and Complexity
- Tools to interact with Theorem in Automata
- Activity based learning in Formal languages and automata theory



**Dr.S.Kannimuthu deliver his lecture on Automata Theory on 14.02.2015**

# KARPAGAM ACADEMY OF HIGHER EDUCATION

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

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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 COMPUTER SCIENCE AND ENGINEERING**

**PROFESSIONAL DEVELOPMENT PROGRAMME  
ON**

**AUTOMATA THEORY**

**List of Participants**

**Date:14.12.2015-21.12.2015**

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



**PROFESSIONAL DEVELOPMENT PROGRAM  
ON  
BIOFERTILIZER AND BIOCONTROL**

**DECEMBER (07.12.2015 -13.12.2015)**

**Presidential Address**

**Dr. S. SUDALAI MUTHU**

Vice Chancellor

Karpagam Academy of Higher Education

**Felicitation**

**Dr. M. PALANISWAMY**

**Dean, Arts, Science & Humanities**

Karpagam Academy of Higher Education

**Organizing Secretary**

**Dr. M. PALANISWAMY**

**Prof & Head Department of Microbiology**

Karpagam Academy of Higher Education

For Enquiries contact:

Cell: 9677176142, 8903500032

kahetrib@gmail.com

**INVITED SPEAKERS**

**Dr. V. Bhuvaneshwari**

Professor

Bio-chemistry, Biotechnology & Bioinformatics

Avinashilingam University for Women

**Dr. S. Murugan,**

Associate Professor

Dept. of Biotechnology

Karunya University



**PROFESSIONAL DEVELOPMENT  
PROGRAM**

**ON**

**BIOFERTILIZER AND BIOCONTROL**

**DECEMBER (07.12.2015 -13.12.2015)**

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



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Eachanari PO, Coimbatore – 641 021, India.  
**DEPARTMENT OF MICROBIOLOGY**

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### **Report on Professional Development Program on Bio fertilizer and Bio control**

**Held during 7<sup>th</sup> – 13<sup>th</sup> December, 2015**

A seven-day Professional Development Program on Bio fertilizer and Bio control held during 7<sup>th</sup> – 13<sup>th</sup> December, 2015, at Department of Microbiology, Karpagam University. Professional development program on bio fertilizer and bio control have provided attendee a broad the knowledge about eco friendly product which play a crucial role in determining its future use and applications in environmental management. The lectures provided on each subject were from eminent faculty as well experienced professionals from the industry. Bio fertilizer and Bio control course provided a holistic view for the development of the bio fertilizers in bio control. The lecture gave us idea about the entrepreneurship and large scale production bio fertilizers and to develop their skills for business development.



Faculty giving lecture on Bio fertilizer and bio control.



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Eachanari PO, Coimbatore – 641 021, India.  
**DEPARTMENT OF MICROBIOLOGY**

---

**List of Participants for Professional Development Program on  
bio fertilizer and bio control**

**Held on 7<sup>th</sup> – 13<sup>th</sup> December, 2015**

**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	K.V. Ashok Raj	Assistant Professor

A Seven Day

**PROFESSIONAL DEVELOPMENT PROGRAMME ON  
EVALUATION, QUESTION PAPER SETTING &  
BLOOM'S TAXONOMY**

**23<sup>RD</sup> NOVEMBER TO 30<sup>TH</sup> NOVEMBER, 2015**

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**VICE-CHANCELLOR**

Karpagam Academy of Higher Education

**Dr. G. SEKAR**

**REGISTRAR**

**Dr. M. PALANISWAMY**

**Dean- FASH**

**CONVENOR**

**Dr. S. Selvalakshmi,**

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

**ORGANIZING SECRETARY**

**Ms. Nithyadevi S**

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. C. Santhosh Kumar, Professor and Head  
Department of English, Annamalai University,  
Chidambaram.

Dr. A. Selvaraj, Professor, Department of  
English, Annamalai University, Chidambaram.

Dr. V. Sangeetha, Professor and Head  
Department of English, Periyar University, Salem.

Dr. S. Boopathi Assistant Professor,  
Department of English, Periyar University, Salem.

Dr. S. UdhayaKumar, Assistant Professor,  
Department of English, Madurai Kamaraj  
University, Madurai

Dr. C. Isaac Jebastine, Professor, Department  
of English, Bharathidasan University,  
Tiruchirappalli.

Dr.R. Rajesh, Assistant Professor,  
Department of English, Madurai Kamaraj  
University, Madurai.



A Seven Day

**PROFESSIONAL DEVELOPMENT PROGRAMME  
ON EVALUATION, QUESTION PAPER SETTING  
& BLOOM'S TAXONOMY**

**23<sup>RD</sup> NOVEMBER TO 30<sup>TH</sup> NOVEMBER, 2015**

**A Joint Programme of Center of  
Human Resource Development  
&  
Department of English and Foreign  
Languages**



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**A JOINT PROGRAMME OF CENTER OF HUMAN RESOURCE  
DEVELOPMENT  
&  
DEPARTMENT OF ENGLISH AND FOREIGN LANGUAGES  
PROFESSIONAL DEVELOPMENT PROGRAMME ON  
EVALUATION, QUESTION PAPER SETTING & BLOOM'S  
TAXONOMY**

The Department of English organized a Professional Development Programme of Evaluation, Question Paper Setting & Bloom's Taxonomy for the Faculty members, Department of English, Karpagam Academy of Higher Education, Coimbatore from **23<sup>rd</sup> November to 30<sup>th</sup> November, 2015**. Professional Development Programme was facilitated by Professors from various institutions. The Programme provided a chance for the faculty members to strengthen their proofreading skills. Professional Development Programme brought the crucial elements related to mapping algorithm is integrated for automated categorization of open-ended questions according to Bloom's Taxonomy hierarchy.

On 23<sup>rd</sup> November 2015, Dr. C. Santhosh Kumar Professor and Head of English, Annamalai University brought the crucial elements related to Evaluation, Question Paper Setting & Bloom's Taxonomy and its usage to the foreground. Assessment process is an essential activity in educational institutions to test performance of the learners. System prototype was developed in Visual Basic language and connects to MS Access database. It includes MCQ, True/False and open-ended questions.

On 24<sup>th</sup> November 2015, Dr. A. Selvaraj Professor, Annamalai University spoke about various strategies involved in designing question paper is laborious task for the academics. Analyze current assessment process and build automated examination question paper generation system to replace manual method practiced by academics.

On 25<sup>th</sup> November 2015, Dr. V. Sangeetha, Professor and Head of English, Periyar University provided a short introduction about the topic. The essence of examination papers is directly linked to evaluation of quality of the graduates. AQPGS prototype is intended to enable

academics to produce quality examination papers on the click, that are unbiased and aligned with learning outcomes, while saving the time and resources in the assessment process.

On 26<sup>th</sup> November 2015, Dr. S. Boopathi, Assistant Professor, Department of English, Periyar University told that Globalisation of the world has shown its impact on economy and higher education which in turn is driving profound changes in education system. There is a continuing need to dynamically adapt to these changes, to ensure that we remain competitive and can respond effectively to the challenges of globalization. Future graduates not only need to be knowledgeable in his/her discipline but also needs a new set of soft, professional skills and competencies.

On 27<sup>th</sup> November 2015, Dr. S. UdhayaKumar, Assistant Professor, Department of English and Comparative Literature Madurai Kamaraj University told that the academic quality of examinations (question papers) in Indian education system has been a matter of concern from a long time. The question papers that require simple memory recall will not ensure deep, meaningful learning. High expectations for learning motivate the students to rise to the occasion. The assessment (examination) must embed those high expectations to ensure that the learner is motivated to attain them.

On 28<sup>th</sup> November 2015, Dr. C. Isaac Jebastine, Professor, Department of English, Bharathidasan University told that Indian education system and written examinations play a major role in assessing the learning and awarding of grades to the student. Universities and colleges give highest weightage to the outcomes of the written examinations in overall grading. Questions raised in the examination/test papers play an important role in defining the level of learning the student is expected to achieve in the courses and hence in the program. Since assessment drives learning, the design of question papers needs to go beyond the mere test of memory recall. They also need to test higher-order abilities and skills.

On 30<sup>th</sup> November 2015, Dr. R. Rajesh, Assistant Professor, Department of English and

Language Studies told that Written examinations assess a very limited range of outcomes and cognitive levels. Particularly in the courses, where course outcomes (COs) cover a broad range of expectations, written examinations alone will not be sufficient to make valid judgments about student learning. A wide range of assessment methods (e.g., term papers, open-ended problem-solving assignments, course/lab project rubrics.) need to be employed to ensure that assessment methods match with learning outcomes.



**Dr. C. Santhosh Kumar Professor and Head of English, Annamalai University**

**Addressing the Audience**



## KARPAGAM ACADEMY OF HIGHER EDUCATION

### A Joint Programme of Center of Human Resource Development &

### DEPARTMENT OF ENGLISH AND FOREIGN LANGUAGES LIST OF PARTICIPANTS

#### Professional Development Programme

23<sup>rd</sup> November to 30<sup>th</sup> November 2015

S.No	Name of the Faculty
1	Dr. Premkumar V
2	Dr. Jesbir R
3	Ms. Nithyadevi S
4	Dr. Selvalakshmi S
5	Ms. Mizpah Rebekah
6	Ms. Hepsiba S
7	Ms. Rajeswari R
8	Dr. Ganesh Muthuram K
9	Ms. Annalakshmi R
10	Dr. Azaruddeen N
11	Dr. Chitra D
12	Mr. James A
13	Mr. Krishnaraj L
14	Ms. Elayavakini E



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Karpagam Academy of Higher Education

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Dean, Faculty of Engineering,

Karpagam Academy of Higher Education

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**Dr.P.Shanmughasundram**

HOD, Automobile Engineering

Karpagam Academy of Higher Education

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**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:

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kahetribot@gmail.com

## PROGRAMME SCHEDULE

Inauguration 9.30am-1.30am

### DAY I

**Session:**11.00 am - 04.30 pm

Topic : Tribological properties

Speaker : **Dr.K..Karthikeyan,**

Professor, Department of

Mechanical Engineering,

Sri Ramakrishna Engineering College.

### DAY II

**Session:**10.00 Am - 4.30 Pm

Topic Composite material

Speaker: **Mr.S.R.Durairaju,**

Assistant Professor (Sr .Grade),

Department of Mechanical Engineering

Sri Ramakrishna Engineering College,

### DAY III

**Session:**10.00 Am - 4.30 Pm

Topic :” Arrangement of reinforcements

Speaker: **Dr. S. Mohankumar**

ASP, Department of Automobile Engineering,

Kumaraguru College of Technology,

Coimbatore

### DAY IV

**Session:**10.00 Am - 4.30 Pm

Topic:Mechanical properties of Al mmcs

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 :Tribological behaviour

Speaker: **Mr. Anbu. G.(AP)**

Department of Automobile Engineering,

Karpagam college of Engineering,Coimbatore

### DAY VI

**Session:**10.00 Am - 4.30 Pm

Topic : Testing parameters

Speaker: **Dr.N.Mathan kumar,**

Dindigul- 624 001

### DAY VII

**Session:**10.00 Am - 4.30 Pm

Topic : Application in automotive industry,

Speaker: **Mr. S.Sivakumar**

ASP, Department of Automobile Engineering,

Kumaraguru College of Technology, Coimbatore



## KARPAGAM ACADEMY OF HIGHER EDUCATION

## A Joint Programme of Centre for Human Resource Development and Department of Automobile engineering Professional Development Programme on “TRIBOLOGY IN INDUSTRIES”

23<sup>rd</sup> NOV 2015 to 30<sup>th</sup> NOV 2015

**Organized by**  
**Department of Automobile**  
**Engineering**

**Venue :Bharathi Hall**

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

**Report on Professional Development Programme on “TRIBOLOGY IN INDUSTRIES”**  
**November 23-30,2015**

This one-week Professional Development Programme (PDP) was organized successfully with participation of faculty members. The PDP addresses the various aspects of Seven Days professional development Programme on tribology in industries 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.K..Karthikeyan** Professor, Department of Mechanical Engineering, Sri Ramakrishna Engineering College, Coimbatore.

ASP, Department of Automobile Engineering, Kumaraguru College of Technology, Coimbatore, inaugurated the programme.

In his inaugural address, **Dr.K..Karthikeyan** 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.



**DEPARTMENT OF AUTOMOBILE ENGINEERING**  
**Report on Professional Development Programme on "TRIBOLOGY IN INDUSTRIES"**  
**November 23-30, 2015**

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

**List of Participant**

Seven Days professional development Programme on

**“TRIBOLOGY IN INDUSTRIES “**

**November 23-30,2015**

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.Mathavan Assistant Professor
6	Automobile	Mr.G.Sathish kumar Assistant Professor

## **ORGANIZING COMMITTEE**

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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**

M.Jannath Begam  
Assistant professor/Maths,FASH  
Karpagam Academy of Higher Education

### **Organizing Team Members**

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

M.Jeganathan  
Assistant professor  
Karpagam Academy of Higher Education

A.Henna shenofar  
Assistant professor  
Karpagam Academy of Higher Education

## **PROGRAMME SCHEDULE**

Inauguration 9.00am -9.30am  
Session:9.30am -3.30pm

### **Dr.M.Sankar**

Professor  
Department of school of Engineering  
Presidency University  
Bangaluru-560089  
India

### **Dr.V.Sundarapandian**

Professor,  
Research and Development Centre,  
Vel Tech University  
Virugambakkam Avadi,  
Chennai-600 062.

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

Professor & Head  
Department of mathematics  
Alagappa University  
Karaikudi

### **Dr.Germina**

Associate Professor  
Department of mathematics  
Central University of Kerala,  
Kasargod-671316

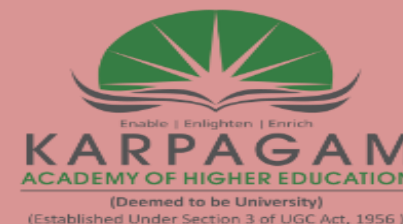
**A Joint Programme of  
Centre For Human Resource Development  
and  
Department of Mathematics**

## **Short Term Course on Mechanics, Computer based Numerical Analysis and Queuing Theory**

**16<sup>th</sup> Nov 2015 to 23<sup>rd</sup> Nov 2015**

**Organized by**

**Department of Mathematics**



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Tamilnadu, India.

**Venue : Thiruvalluvar Hall**





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

**Short Term Course on Mechanics ,Computer based Numerical Analysis and  
Queuing Theory - a Brief Report**

**Hall :** Thiruvalluvar Hall

**Date :** 16.11.2015 & 17.11.2015

**Time :** 9.30 am to 3.30pm

**Resource Person :** Dr.M.Sankar /Professor

The program was inaugurated by the Dean Dr.M.Palaniswamy. Inauguration was followed by a Keynote address by the Resource person Dr.M.Sankar, Professor, Department of School of Engineering , presidency University, Bengaluru -560089,India. 14 Members of our Department faculty were attended. He discussed about the importance of applications and faculties got more knowledge about Boundary Layer is an applied study of analyzing the performance of different systems in the area of engineering and technology. Faculty got more knowledge about Euler's Law of hydrostatics, Friction ,Dimensionless numbers ,General fluid mechanics/Newton Fluids, Laminar flow in a tube ,conservation equations and mass balance for constant.

**Time :** 9.30 am to 3.30pm

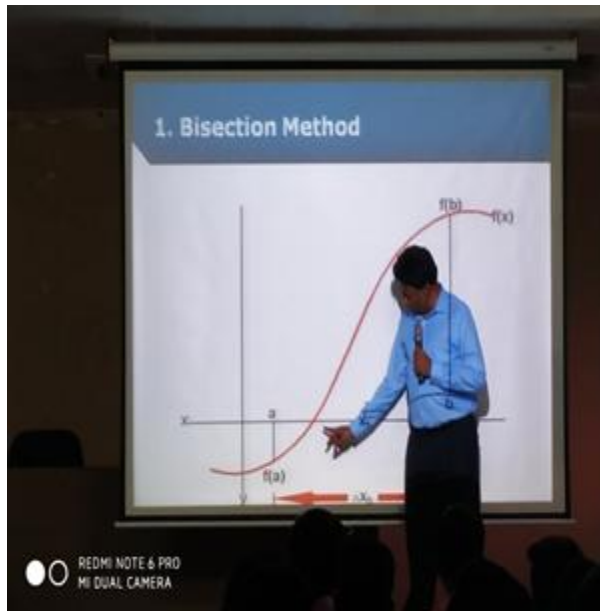
**Date :** 18.11.15 & 19.11.15

**Resource Person :** Dr. V. Sundarapandian , Professor.

The Department of Mathematics has organized a Short term courses on the topic of "Numerical Integration and Differentiation" which held on 18.11.2015 and followed by the topic of "Numerical solution of Ordinary differential Equation "which held on 19.11.2015. 14 members of our faculty were participated .The program starts at 9.30 am in the Thiruvalluvar Hall , Karpagam University.

The program was inaugurated by the Dean Dr.M.Palaniswamy. Inauguration was followed by a Keynote address by the Resource person Dr. V. Sundarapandian , Professor and Research and Development Centre, Vel Tech University, Virugambakkam Avadi, were impressed

the audience by his talk. Faculty got more knowledge about Quadrature , Interpolatory Quadrature, Gaussian Quadrature, Finite Differences, Conditioning and Newton-Cotes Quadrature .



**Time :**9.30 am to 3.30pm

**Date :**20.11.15 & 21.11.15

**Resource Person :** Dr.N.Anbazhagan, Professor

The Department of Mathematics has organized a Short term courses on the topic of **“Queuing Theory”** which held on 20.11.2015 and followed by the topic of **“Fundamental of Random variables ”**which held on 21.11.2015.14 members of our faculty members were participated .The program starts at 9.30am in the Tiruvallur Hall , Karpagam University .

The Resource Dr.N.Anbazhagan, Professor and Head, Department of Mathematics, Alagappa University ,Karaikudi -620004 were impressed the audience by his talk. He discussed about the queuing theory in telecommunication networks. Queuing theory is the mathematical study of waiting lines, or queues. A queuing model is constructed so that queue lengths and waiting time can be predicted. Queuing theory is generally considered a branch of operations research because the results are often used when making business decisions about the resources needed to provide a service. Then he talked about the various scheduling mechanisms in queuing theory. The resource person discussed about the fundamental of random variables. A random variable is a variable whose value is unknown or a function that assigns values to each of an experiment's outcomes. Random variables are often designated by letters and can be classified as discrete, which are variables that have specific values, or continuous, which are variables that can have any values within a continuous range. A random

variable can be either discrete or continuous. Discrete random variables take on a countable number of distinct values. Continuous random variables can represent any value within a specified range or interval and can take on an infinite number of possible values. Then he discussed about the application of random variables in communication engineering.

Then he discussed about the types of random process and various random process models. Around 3.30 pm the program comes to an end with National Anthem.

**Time :**9.30 am to 3.30pm

**Date :**23.11.15

**Resource Person :**Dr.Germina /Associate Professor

The Department of Mathematics has organized a Short-term course on the topic of **“Queuing Theory and Stochastic Process for Advanced Systems”** which held on 23.11.15 .14 members of our faculty members were participated. The program starts at 9.30am in the Tiruvallur Hall , Karpagam University .

The Resource Dr.Germina, Associate Professor, Department of Mathematics, Central University of Kerala, Kasargod-671316, were impressed the audience by her talk. The aim of this topic is to provide achieve new insights into widely applicable queuing theory and Stochastic Models for Advanced systems across various domains of engineering applications of diverse problem statements. Faculty got more knowledge about Chapman-Kolmogorov Equation, Birth and Death Process, Transition Probability Function, Multi-Dimensional Continuous-time Markov Chains and Steady-state Probabilities. Finally, the valedictory function has started around at 3.00 pm. The Dean Dr. M. Palaniswamy distributed the certificates to the participants. The program has ended with National Anthem at 3.30pm





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

**Attending faculty Details for Short Term course on Mechanics Computer based  
Numerical Analysis and Queuing Theory**

**Time :9.30am to 3.30pm**  
**Date :16.11.2015 to 23.11.2015**

S.No.	NAME OF THE FACULTY
1	Dr.M.M.SHANMUGA PRIYA
2	Ms. M.JANNATH BEGAM
3	Mr.M.JEGANATHAN
4	Dr.K.KALIDASS
5	Ms.A.NEERAJAH
6	Ms.K.PAVITHRA
7	Ms.KOHILA.S
8	Ms.LATHA
9	Ms.J.KOWSALYA
10	Mr.R.PRAVEEN KUMAR
11	R.POORNIMA
12	Ms.SUKRITHA PRADEESH
13	Mr.U.R.RAMAKRISHANAN
14	A.HENNA SHENOFR



## **KARPAGAM UNIVERSITY**

A JOINT PROGRAMME OF  
CENTRE FOR HUMAN RESOURCE  
DEVELOPMENT

*and*

DEPARTMENT OF BIOTECHNOLOGY  
(FASH)

**PROFESSIONAL DEVELOPMENT  
PROGRAM ON CURRENT TRENDS IN  
BIOTECHNOLOGY**

15/11/2016 to 22/11/2016

**KARPAGAM UNIVERSITY**

(Established Under Section 3 of UGC Act, 1956)

Pollachi Main Road, Eachanari Post,

Coimbatore – 641021

Phone: 0422-2980011 – 15

Fax: 0422-2611043

## **TECHNICAL DETAILS**

**15.11.2016**

Dr. M. Muthuselvam,  
Assistant Professor, Biotechnology,  
Bharathidasan University, Trichy.

**16.11.2016**

Dr.S. Venkatesh,  
Assistant Professor, Biotechnology, MS  
University, Thirunelveli.

**17.11.2016**

Dr. A. Mohana Priya,  
Assistant Professor, Biotechnology,  
VIT University, Vellore.

**18.11.2016**

Dr. V. Arul,  
Professor, Biotechnology,  
Pondicherry University, Puducherry.

**19.11.2016**

Dr. R. Sathish Kumar,  
Associate Professor, Biotechnology,  
Bharathiyar University, Coimbatore.

**21.11.2016**

Dr. N. Arumugam,  
Professor, Biotechnology,  
Pondicherry University, Puducherry.

**22.11.2016**

Dr. N. Elangovan,  
Assistant Professor, Biotechnology,  
Pondicherry University, Puducherry.

## **ORGANIZING COMMITTEE**

### **Chief Patron**

Dr. S. Sudalaimuthu, Vice-Chancellor,

### **Patron**

Dr. G. Sekar, Registrar,  
Dr. M. Palaniswamy, Dean (FASH)

### **Convenor**

Dr. G. R. Prabu, Head,  
Department of Biotechnology

### **Organizing Secretary**

Dr. P. Rajiv, Associate Professor,  
Department of Biotechnology

### **Members**

Dr. A. Sangilimuthu  
Dr. M. S. Lipin dev  
Dr. R. M. Kalidas  
Mr. S. Barathkumar  
Mrs. D Rachana Sharma,  
Assistant Professors  
Department of Biotechnology



**A JOINT PROGRAMME OF CENTRE FOR HUMAN RESOURCE DEVELOPMENT  
AND  
DEPARTMENT OF BIOTECHNOLOGY  
REPORT ON  
PROFESSIONAL DEVELOPMENT PROGRAM ON CURRENT TRENDS IN  
BIOTECHNOLOGY**

Department of Biotechnology (FASH), Karpagam Academy of Higher Education contacted seven days professional development program, entitled “Current trends in Biotechnology” from 15 to 22 November, 2016. The Program started with welcome speech by Dr. G. R Prabu, HOD, Biotechnology. Dr. M. Palanisamy, Dean, FASH, KAHE, in honoured the guest and given Presidential address. Followed by, Technical Delivery delivered by, Dr. M. Muthuselvam, Department of Biotechnology, Bharathidasan University, Trichy. He delivered the wonderful discussions, which are followed,

- Bacterial extracellular and intracellular mediated synthesized ion oxide nanoparticles and their potential applications in disease diagnosis.
- Microbial degradation of environmental pollutions
- Production of biodiesel fuel from waste oil

Dr. Venkatesh, Department of Biotechnology, Manonmaniam Sundaranar University, Tirunelveli. He delivered commercially important bioethanol production by fermentation. His energetic speak interact with many of the participations. Dr. MohanaPriya delivered on the topic “formulation and production of bioactive components”. Her speech gives lot of idea to discover the new active components from natural resources as well as their capability of disease resistance against communicable and trans genital diseases. Various professors including Dr. V. Arul, Dr. N Arumugam and Dr. N. Elangoven, from Pondicherry University delivered excellent reports. These reports express the recent knowledge about biotechnology to the participants. At the end of the program Dr. P. Rajiv delivered the vote of thanks and seven days development program was completed successfully.



Professional development program on current trends in Biotechnology from 15<sup>th</sup> to 22<sup>nd</sup> November, 2016 at Department of Biotechnology



# KARPAGAM UNIVERSITY

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

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

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

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

**Professional development program on current trends in Biotechnology**

**Date: 15/11/2016 - 22/11/2016**

**Venue: Bharathi Hall**

**List of Faculty Members participated**

Sl. No.	Faculty Name
1.	Dr. G.R. Prabu
2.	Dr.A.Sangilimuthu
3.	Dr.P.Rajiv
4.	Dr. M.S. Lipin dev
5.	Dr.R.M. Kalidas
6.	Mr. S. Barathkumar
7.	Mrs. D. Rachana Sharma

## ORGANIZING COMMITTEE

### Chief Patron

**Dr.S.SUBRAMANIN**

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.K.VISWANATHAN,**

Head of the Department,  
Dept of Physics, FASH,  
Karpagam Academy of Higher Education

### Organizing Secretary

**Dr.V.SENTHIL KUMAR** Associate Professor,  
Department of Physics,  
Karpagam Academy of Higher Education

### Organizing Team Members

Dr.B.Janarthanan, 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 : "LEARNING STYLES"

Speaker : Dr.P.Kolandaivel Prof & Head,  
Bharathiar University, Coimbatore.

### DAY II

Session:10.00 AM - 4.30 PM

Topic : " BLOOM TAXONOMY"

Speaker: Dr.S.Selvasekars Pandian, Retd  
Profossor Bharathiar University, Coimbatore.

### DAY III

Session:10.00 AM - 4.30 PM

Topic : "PEDAGOGY & ANDRAGOGY"

Speaker: Dr.P.Anbarasan, Prof  
Dept of Physics, Periyar University,Salem

### DAY IV

Session:10.00 AM - 4.30 PM

Topic : "DIFFERENCE IN LEARNING"

Speaker: Dr.S.Esakki Muthu, Visiting Scientist CEA,  
Grenoble France

### DAY V

Session:10.00 AM - 4.30 PM

Topic : "TIME PRESPECTIVE" Speaker:

Prof. K.Smiles Martin, Dean (Academic Affairs)  
CIET, Narasipuram, Coimbatore.

### DAY VI

Session:10.00 AM - 4.30 PM

Topic : " TEACHING METHODS"

Speaker: Mr.K.Sakthivel Professor,  
Dept of Physics,  
Adithya Institute of Technology, Coimbatore.

### DAY VII

Session:10.00 AM - 4.30 PM

Topic : " STRUCTURED EXERCISE"

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



## KARPAGAM ACADEMY OF HIGHER EDUCATION

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

## Short term Course on "Effective Teaching and Learning methods"

12<sup>th</sup> November 2015 to 19<sup>th</sup> November 2015

Organized by  
Department of Physics

Venue : MBA Hall

**REPORT**

The Short term Course on "Effective Teaching and Learning methods" was conducted in Department of Physics from 12.11.2015 to 19.11.2015. The Program started on 12<sup>th</sup> November 2015 at 10.00 am in MBA hall.

Mr. Rajesh Kumar, Manager, Training Centre, Lakshmi Electrical Control Systems Limited, Coimbatore, had conducted Short term Training program on " Electronics Instruments servicing ". The Welcome address was given by Dr. V. Senthil Kumar, Prof & Head, 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 Activity was given to the Faculty Members

and program concluded with Valediction function.



The Registrar is Lighting the Kuthu Valaku

**LIST OF PARTICIPANTS'**

Sr.No	Name Of the Faculty	Designation
1	Dr.K.Viswanathan	Professor & Head
2	Dr.V.Senthil Kumar	Associate Professor
3	Dr.B.Janarthanan	Assistant Professor
4	Dr. M. Kanagaraj	Assistant Professor
5	Dr. N. Sudharsana	Assistant Professor
6	Dr. D. Prakash	Assistant Professor
7	S. Sharmila	Assistant Professor
8	A. Sahana Fathima	Assistant Professor
9	Ambili Vipin	Assistant Professor
10	S. Kanakadurga	Assistant Professor
11	N. Geetha	Assistant Professor



## ORGANIZING COMMITTEE

### CHIEF PATRON

Dr.S.Subramanian  
Vice Chancellor

### PATRON

Dr.G.Sekar  
Registrar

M.Palaniswamy  
Dean, FASH

### CONVENOR

Dr. S. Veni  
Professor and Head

### ORGANIZING SECRETARY

Dr. R.Gunasundari  
Assistant Professor & Head (i/c)  
Department of Information Technology

### COMMITTEE MEMBERS

Dr. B. Mukunthan, Associate Professor  
Dr. K.Thilagam, Associate Professor  
D.Sathya Srinivas, Assistant Professor  
Dr. A.Edwin Robert, Assistant Professor  
Dr. E. J. Thomson Fredrik, Assistant Professor  
Dr. T. Amalraj Victoire, Assistant Professor  
P.Tamil Selvan, Assistant Professor  
U. Prathibha, Assistant Professor

## Resource Persons

### Dr.P.Shanmugavadivu

Professor and Head  
Department of Computer Science and Applications  
Gandhigram Rural Institute - DU

### Dr. M. Malarvizhi

Assistant Professor  
Department of Education  
Bharathiar University, Coimbatore

### Dr. R.BAGDHA VATCHALA PERUMAL

Assistant Professor  
Department of Education  
Gandhigram Rural Institute – Deemed To be University  
Gandhigram

### Programme schedule

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Date : 12.11.2015 to 13.11.2015  
Topic : Impact of ICTs on learning and achievement

### Keynote Address

Dr.P.Shanmugavadivu  
Professor and Head

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Date : 14.11.2015 to 16.11.2015  
Topic : ICT in Education Policy issues

### Keynote Address

Dr. R.Bagdha Vatchala Perumal  
Assistant Professor

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Date : 17.11.2015 to 18.11.2015  
Topic : Teachers, Teaching and ICTs

### Keynote Address

Dr. M. Malarvizhi  
Assistant Professor

## Short term Course on Effective Usage of Information and Communication Technology (ICT) in Teaching and Learning

12.11.2015 to 18.11.2015



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 Effective Usage of Information and Communication Technology**  
**(ICT) in Teaching and Learning**

Department of Computer Science, Applications & Information Technology organized Short Term Course titled as "Effective Usage of Information and Communication Technology (ICT) in Teaching and Learning" from 12.11.2015 to 18.11.2015. The faculty members of FASH, FOE department have participated in this program. The resources person, Dr.P.Shanmugavadivu, Professor and Head, Department of Computer Science and Applications, Gandhigram Rural Institute gave lecture on Web based tools and Applications for managing learning and teaching. Dr.M.Malarvizhi, Assistant Professor, Department of Education, Bharathiar University, Coimbatore gave lecture on Learning and Teaching tools. Dr.R.Bagdha Vatchala Perumal, Assistant Professor, Department of Education, Gandhigram Rural Institute gave lecture on Mobile delivery devices and Content delivery methods.

The program was very useful for the faculty members as well as the researchers those who are doing research in various domain like Information Science, Communication Technology etc.,.



Lecture by Dr.R.Bagdha Vatchala Perumal

18/11/15  
(K25)

**Short term Course on "Effective usage of ICT in teaching and learning"**

**12.11.2015 to 18.11.2015**

**List of Participants**

<b>S.No</b>	<b>Name of the Faculty</b>
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.	N. Krithika
14.	S. Sundar Kumar
15.	Dr. T.Sumathi
16.	S. Jambunathan
17.	V. Sindhu
18.	D.Sathya Srinivas
19.	Dr. X. Agnise Kala Rani
20.	Dr. R.Gunasundari
21.	Dr. S. Sheeja
22.	Dr. K.Thilagam
23.	Dr. B. Mukunthan
24.	Dr. E. J. Thomson Fredrik
25.	K.Lakshmi
26.	R.Naveen Kumar
27.	G.Anitha
28.	T. Rubya
29.	K. Kalaiselvi
30.	P. Amala
31.	P.Nagarajan
32.	A.Edwin Robert
33.	K. Veerasamy
34.	M. Punitha
35.	U. Prathibha
36.	Dr. T. Amalraj Victoire
37.	Dr. K.Appathurai
38.	Dr. D.Shanmuga Priyaa
39.	Dr. M. Anand Kumar
40.	G.Manivasagam
41.	S. Kowsalya
42.	B.Bharathi
43.	N. Gayathri



## 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.T.RAMESH**  
Assistant Professors/FoE/EEE/KAHE

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

### ORGANIZING TEAM MEMBER

○ **Mrs.S.DIVYAPRIYA/AP/FoE/EEE/KAHE**

## **Important Dates**

Intimation date : 10-10-2018

Registration Conformation : 09-11-2018

Course Date : 11-11-2018

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

**11-11-2015:** Introduction to Embedded System

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

**12-11-2015:** Features of Embedded System

**Mr.Kalimuthu AE,TNEB**

**13-11-2015:** Types of Software implemented

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

**16-11-2015:** Introduction to Robotics

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

**17-11-2015:**Merits of Robotics Implementation

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

**18-11-2015:** Disadvantages of Robotics  
Implementation

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

**19-11-2018:** Future Scope

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

## **SHORT TERM COURSE**

## **“DESIGN ON EMBEDDED SYSTEM AND ROBOTICS”**

**11-11-15 to 19-11-15**



***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**

26-11-2015

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

**REPORT ON SHORT TERM COURSE**

Title	: Design on Embedded System and Robotics
Resource Person	: Dr. A Soundarrajan/ASP/EEE/PSG Tech, Coimbatore
Event date	: 11-11-2015 to 19/11/2015
Venue	: PSS-LAB/EEE, KAHE
Attendees	: Faculties of EEE
Time	: 10.00am to 03.45pm
Organizer	: Mr. K. Balachander/ASP/EEE/FoE/KAHE

The Short term Course "**Design On Embedded System And Robotics**" was organized by Department of EEE, Faculty of Engineering, KAHE. The main objective of this session was to get a complete idea on Embedded System. 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 **Dr. A Soundarrajan**/ASP/EEE/PSG Tech, Coimbatore. He has vast experience in Embedded, 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 **T. RAMESH**/ASP/EEE. The course came to an end with National Anthem.



*Participants of the programme*





*Dr.A.Soundararajan delivered the lecture*

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

**SHORT TERM COURSE ON DESIGN ON EMBEDDED SYSTEM AND ROBOTICS**

**Participants**

Date & Time: 11-11-2015 to 19-11-2015 & 9.30AM to 4.00PM

Venue:PSS-LAB/EEE, KAHE

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

**KARPAGAM ACADEMY OF HIGHER EDUCATION**

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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”**

@ 2.00 pm on 11<sup>th</sup> Nov 2015

**VENUE: PG Laboratory, Dept Biochemistry**

**Presides**

**Dr. K. Devaki**

**Professor**

Department of Biochemistry

Karpagam Academy of Higher Education

*Resource Person*

**Dr. V. K. Gopalakrishnan**

**Professor**

KAHE, Coimbatore

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

A Training Program on “Instrumentation” was organized by Department of Biochemistry on 11<sup>th</sup> November, 2015 at 2.00 pm. Dr. M. Sridhar Muthusami, Assistant Professor, Department of Biochemistry welcomed the gathering. Resource person introduction was given by Dr. K. Devaki, Associate Professor, Department of Biochemistry. Felicitation address was delivered by Dr. K. Poornima, Associate Professor, Department of Biochemistry, and the session was delivered by Dr. V.K. Gopalakrishnan, Professor, KAHE Coimbatore. He was delivered the training on various instruments such as “SDS-PAGE, electronic balance, and microscope” to the lab technicians from life science department of KAHE and finally vote of thanks was delivered by Dr. J. Anitha.



**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>2015-2016</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	SDS-PAGE (BT) Electronic balance (BT) Microscope (MB)	11.11.2015
2	Mrs. P. Gomathi	Biotechnology		
3	Mrs. J. Ranganayaki	Biotechnology		
4	Mrs. P. Maheswari	Microbiology		

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



## ORGANIZING COMMITTEE

### Chief Patron

**Dr.S.Sudalaimuthu**

Vice Chancellor

Karpagam University

### Dr. G. Sekar

Registrar

Karpagam University

### Patron

**Dr. R. Sundararajan**

Dean / FOE

Karpagam University

### Convenor

**Dr.P.Senthil**

Professor & Head

Department of Mechanical Engg.,

Karpagam University

### Organizing Secretaries

**Mr.R.Karuppasamy**, AP/ Mech

**Mr.S.Aravind**, AP/ Mech

## Program Schedule:

Date	Topic	Resource Person
09.11.2015	Introduction to Genetic Algorithm and their Applications	Dr. P. Senthil Professor / Mechanical / KU
10.11.2015	Genetic algorithm in Machine Learning	
11.11.2015	Genetic Algorithm by Using Mat Lab	Dr.P.V.Rajendra Sethupathi, Professor / Mechanical / KU
12.11.2015	Steps involved in Genetic Algorithms	Dr.N.M.Sivaram Associate Professor / Mechanical / KU
13.11.2015	Genetic Algorithm and its Sub-fields	Mr.R.Karuppasamy Assistant Professor / Mechanical / KU
14.11.2015	Problem domain involved in Genetic Algorithm	Mr.P. Arunkumar Assistant Professor / Mechanical / KU
16.11.2015	Genetic Algorithm Optimization problems	Mr.S.Balakumar 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  
“Applications of Genetic Algorithm”**

**09<sup>th</sup> - 16<sup>th</sup> November 2015**

**Venue: Seminar Hall – Mechanical Engineering**

**Organized by**

**Department of Mechanical Engineering**

***Faculty of Engineering***



**KARPAGAM UNIVERSITY**  
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**Pollachi Main Road, Eachanari Post, Coimbatore – 641 021.**  
**Faculty of Engineering**

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**A JOINT PROGRAMME OF**  
**CENTER FOR HUMAN RESOURCE DEVELOPMENT**  
**AND**  
**DEPARTMENT OF MECHANICAL ENGINEERING**  
**Report on Short Term Training Programme on Applications of Genetic Algorithm**

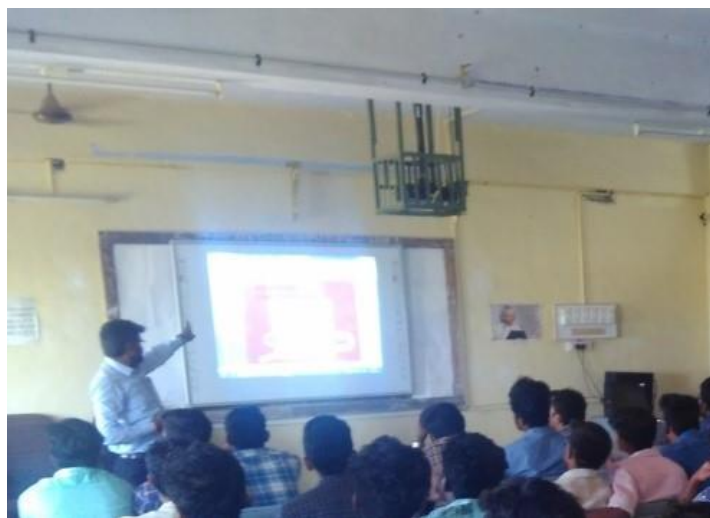
**Date / Venue : 09.11.2015 to 16.11.2015 / UE – 308 (Mechanical Seminar Hall)**

**Programme Description:**

- Dr.R.Sundararajan, Dean – Faculty of Engineering, Karpagam University inaugurated the programme.
- Dr.P.Senthil, Professor and Head, Department of Mechanical Engineering welcomed all the Faculty members and Participants.
- Day 1 & 2 (09.11.2015 & 10.11.2015) was handled by Dr.P.Senthil, Professor, Department of Mechanical Engineering. He handled the session with the topic of Introduction to Genetic Algorithm and their Applications on day 1 and Genetic algorithm in Machine Learning on day 2.
- Day 3 (11.11.2015) was handled by Dr.P.V.Rajendra Sethupathi, Professor / Mechanical / KU and he delivered the lecture on Genetic Algorithm by Using Mat Lab.
- Day 4 (12.11.2015) was handled with the topic of Steps involved in Genetic Algorithms by Dr. N.M.Sivaram, Associate Professor / Mechanical / KU
- Day 5 (13.11.2015) was handled with the topic of Knuckle joints, cotter joints, Welded joints and riveted joints by Dr.N.M.Sivaram, Associate Professor / Mechanical / KU
- Day 6 (14.11.2015) was handled by Mr.P. Arunkumar, Assistant Professor / Mechanical / KU and he delivered the content about Problem domain involved in Genetic Algorithm
- Day 7 (16.11.2015) was handled by Mr.S.Balakumar, Assistant Professor / Mechanical / KU with the topics of Genetic Algorithm Optimization problems.
- Last session was feedback and valedictory. The vote of thanks is given by Mr.S.Aravind, Assistant Professor, Department of Mechanical Engineering, KU.



Inaugural Session on 09.11.2015



10.11.2015 session was handled by Dr.P.Senthil



11.11.2015 session was handled by Dr.P.V.Rajendra Sethupathi

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

**Short Term Programon “Application of Genetic Algorithm”  
09<sup>th</sup> to 16<sup>th</sup> November 2015**

**LIST OF PARTICIPANTS**

<b>Sl. No</b>	<b>Name of the Participant</b>	<b>Designation</b>
1.	Dr. P. Senthil	Professor & Head
2.	Dr.S.Prabakaran	Senior Professor
3.	Dr.P.V.RajendraSethupathi	Associate Professor
4.	Dr.N.M.Sivaram	Associate Professor
5.	Dr.Debabrata Barik	Associate Professor
6.	Mr.A. Sivanantham	Assistant Professor
7.	Mrs.D. B. Vennilaa	Assistant Professor
8.	Mr.D. Anandakumar	Assistant Professor
9.	Mr.R.Karuppasamy	Assistant Professor
10.	Mr.MilonD.Selvam	Assistant Professor
11.	Mr.S.Aravind	Assistant Professor
12.	Mr.E. Viswanathan	Assistant Professor
13.	Mr.P. Arunkumar	Assistant Professor

14.	Mr.T. M. Karthikeyan	Assistant Professor
15.	Mr.S. Balakumar	Assistant Professor
16.	Mr.A. P. Arunkumar	Assistant Professor
17.	Mr.K. Prasath	Assistant Professor
18.	Mr.P. Dhachinamoorthi	Assistant Professor
19.	Mr.N. Vimal Raj	Assistant Professor
20.	Mr.G.Vignesh	Assistant Professor
21.	Mr.A.J.R.Nelson	Assistant Professor
22.	Mr.K. Naveen Kumar	Assistant Professor
23.	Mr.P.Paranthaman	Assistant Professor
24.	Mr.M.Prakash	Assistant Professor
25.	Mr.U.P. Arunkumar	Assistant Professor
26.	Mr.P.Ragupathi	Assistant Professor
27.	Mr.J.Arunprakash	Assistant Professor
28.	Mr.R.Sureshbalaji	Assistant Professor
29.	Mr.P.Prakash	Assistant Professor
30.	Mr.R.Hariganesh	Assistant Professor
31.	Mr.ArulPrakasam	Assistant Professor



Seven Days PDP Programme on  
**‘Stereochemistry of Carbon Compounds’**

**November - 2015  
(09.11.2015 -16.11.2015)**

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AP, Department of Chemistry,  
Karpagam ,

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

**INVITED SPEAKERS**

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

**Dr. A. Lalitha**  
Associate Professor,  
Department of Chemistry, Periyar University,  
Salem, Tamilnadu.

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

**A. Ponnuswamy**  
Professor,  
Department of Organic Chemistry, School of  
Chemistry,  
**Madurai Kamaraj University.**  
Madurai, Tamilnadu.



Seven Days PDP Programme on  
**‘Stereochemistry on Carbon  
Compounds’**

**November - 2015  
(09.11.2015 -16.11.2015)**

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



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**A JOINT PROGRAMME OF CENTRE FOR HUMAN RESOURCE DEVELOPMENT  
&  
DEPARTMENT OF CHEMISTRY**  
**Report on the Professional Development Programme on “Stereochemistry of carbon  
compounds” conducted between 09-11-15 to 16-11-2015**

A Professional Development Programme on “**Stereochemistry of carbon compounds**” conducted between 09-11-15 to 16-11-2015 for the Faculty members of Department of Chemistry. About 10 faculty members attended the programme.

This PDP aims to provide opportunities to faculty members to enrich their technical knowledge in the field of Stereochemistry of carbon compounds. The Programme also intends to develop the knowledge of 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 Stereochemistry of carbon compounds. 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 Mr. R. Kumar.



Resource Person Dr.A. Lalitha delivered the session talk

*S.Ran*



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

Professional Development Programme on “**Stereochemistry of carbon compounds**”

**Date:** From 09-11-15 to 16-11-15

**Venue:** Department of Chemistry

**Name list**

<b>S. No.</b>	<b>Name of the Faculty</b>
1	Dr.S.Ravi
2	Mrs. R.Sharmila Devi
3	Dr.A.Thangamani
4	Dr.M.R.Ezhilarasi
5	Dr.K.Sundaram
6	Dr.M.Makeswari
7	Dr.S.Venkatachalapathi
8	Ms.B.Prabha
9	R.Kumar
10	Ms. R.Ranjitha

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## Contact Us



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## MoUs

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



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DEPARTMENT OF COMMERCE**

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Dr. P. Palanivelu, Controller of Examinations, Karpagam University

Dr. M.Palaniswamy, Dean, Faculty of Arts, Science and Humanities, Karpagam University

### Convener

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

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D. Lavanya

V. Mathan Kumar

N. Ramyaprabha

C.V. Umamaheswari

R. Judith Priya

P. Sopna

S. Karthik Mrs. K. Kavitha

## About the Programme:

Indirect taxes are basically taxes that can be passed on to another entity or individual. It is usually imposed on a manufacturer or supplier who then passes on the tax to the consumer. The most common example of indirect tax is the excise tax on cigarettes and alcohol

**DATE: 9.11.2015 to 15.11.2015**



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

**PROFESSIONAL  
DEVELOPMENT PROGRAMME**

INDIRECT TAXATION





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

**REPORT ON PROFESSIONAL DEVELOPMENT PROGRAM ON  
INDIRECT TAXATION**

The Department of Commerce organized a Professional development Programme on Indirect taxation during 9.11.2015 to 15.11.2015. The faculty members of FASH, FOE participated in this programme. The resource person gave insight towards Indirect Taxation and researchers found it very useful and informative.

Taxation is a term for when a taxing authority, usually a government, levies or imposes a tax. The term "taxation" applies to all types of involuntary levies, from income to capital gains to estate taxes. Though taxation can be a noun or verb, it is usually referred to as an act; the resulting revenue is usually called "taxes."

Taxation is differentiated from other forms of payment, such as market exchanges, in that taxation does not require consent and is not directly tied to any services rendered. The government compels taxation through an implicit or explicit threat of force. Taxation is legally different than extortion or a protection racket because the imposing institution is a government, not private actors.

## **PURPOSE AND JUSTIFICATIONS FOR TAXATION**

The most basic function of taxation is to fund government expenditures. Varying justifications and explanations for taxes have been offered throughout history. Early taxes were used to support ruling classes, raise armies and build defences. Often, the authority to tax stemmed from divine or supranational right.

## **DIFFERENT TYPES OF TAXATION**

As mentioned above, taxation applies to all different types of levies. These can include (but are not limited to):

- **Income tax:** Governments impose income taxes on financial income generated by all entities within their jurisdiction, including individuals and businesses.
- **Corporate tax:** This type of tax is imposed on the profit of a business.
- **Capital gains:** A tax on capital gains is imposed on any capital gains or profits made by people or businesses from the sale of certain assets including stocks, bonds, or real estate.
- **Property tax:** A property tax is assessed by a local government and paid for by the owner of a property. This tax is calculated based on the property and land values.
- **Inheritance:** A type of tax levied on individuals who inherit the estate of a deceased person.
- **Sales tax:** A consumption tax imposed by a government on the sale of goods and services. This can take the form of a value-added tax (VAT), a goods and services tax (GST), a state or provincial sales tax or an excise tax.

## INDIRECT TAXATION

Indirect taxes are defined by contrasting them with direct taxes. Indirect taxes can be defined as taxation on an individual or entity, which is ultimately paid for by another person. The body that collects the tax will then remit it to the government. But in the case of direct taxes, the person immediately paying the tax is the person that the government is seeking to tax.

Import duties, fuel, liquor, and cigarette taxes are all considered examples of indirect taxes. By contrast, income tax is the clearest example of a direct tax, since the person earning the income is the one immediately paying the tax. Admission fees to a national park is another clear example of direct taxation. Some indirect taxes are also referred to as consumption taxes, such as a value-added tax (VAT).

## EXAMPLES OF INDIRECT TAXES

The most common example of an indirect tax is import duties. The duty is paid by the importer of a good at the time it enters the country. If the importer goes on to resell the good to a consumer, the cost of the duty, in effect, is hidden in the price that the consumer pays. The consumer is likely to be unaware of this, but he will nonetheless be indirectly paying the import duty.

Essentially, any taxes or fees imposed by the government at the manufacturing or production level is an indirect tax. In recent years, many countries have imposed fees on carbon emissions to manufacturers. These are indirect taxes since their costs are passed along to consumers.

Sales taxes can be direct or indirect. If they are imposed only on the final supply to a consumer, they are direct. If they are imposed as value-added taxes along the production process, then they are indirect. Examples of indirect taxes are excise tax, VAT, and service tax. Examples of direct taxes are income tax, personal property tax, real property tax, and corporate tax.

## TYPES OF INDIRECT TAXATION

What many people are not aware of is that practically everyone pays taxes, especially indirect taxes. It is because it is imposed on almost all the products that we consume. Here are some of the types of indirect taxes.

1. **Sales tax**- Whenever people go to the malls or department stores to shop, they are already about to pay indirect taxes. Goods such as household items, clothing, and other basic commodities are subject to such types of taxes. Upon payment at the counter, the final sale price is padded with a sales tax that the store collects and pays to the government.

2. **Excise tax** -Excise tax is also very common. When a manufacturer buys the raw materials for the company's products, for example, tobacco for cigarette companies, they already need to pay indirect taxes on the items. Through a part of the normal course of business, the manufacturer can pass on the burden to the consumers by selling the cigarettes at a higher price.

3. **Customs tax** -Ever wonder why imported products are expensive? It is because of customs tax. When a container filled with bananas from another country enters the US, the importer pays indirect tax (customs tax), which is then passed on to the consumers.

4. **Gas tax** -Yes, buying gasoline for vehicles contains an indirect tax.

## CONCLUSION

Indirect taxes are basically taxes that can be passed on to another entity or individual. It is usually imposed on a manufacturer or supplier who then passes on the tax to the consumer. The most common example of indirect tax is the excise tax on cigarettes and alcohol



Live demo was given on how to calculate taxes for the faculties by the speaker.

# **KARPAGAM UNIVERSITY**

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

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

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

#### **Professional Development Programme on Indirect Taxation**

**09.11.2015 to 15.11.2015**

#### **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

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Vice Chancellor, Karpagam University

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Registrar, Karpagam University

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

Faculty of Pharmacy, Karpagam University.

### Organizing Secretary

**Mr K ABDUL KHAYUM, Assistant Professor,FOP,KU.**

### Organizing Team Members:

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

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

## PROGRAMME SCHEDULE

Inauguration 9.30 am - 10.30 am

### DAY I

**Session I :11.00 am - 04.30 pm**

**Topic : "Pharmacy Profession in India"**

**Speaker:** Dr. Arul Kumar,  
Professor,  
Department of Pharmaceutics,  
RVS College of Pharmacy, Sullur.

### DAY II

**Session II 10.00 Am - 4.30 pm**

**Topic : "Working Practices of Pharmacist"**

**Speaker:** Dr.R.Vijayabharathi,  
Department of Pharmacognosy  
College of Pharmacy, MMC, Chennai.

### DAY III

**Session I 10.00 Am - 4.30 pm**

**Topic : "Salaries and Job opportunities of Pharmacist"**

**Speaker:** Mrs.R.Gayathri,  
Department of Pharmaceutics  
Karpagam College of Pharmacy, Coimbatore.

### DAY IV

**Session I 10.00 Am - 4.30 pm**

**Topic : "Recognition of Pharmacists"**

**Speaker:** Mrs. G Aruna,  
Department of Pharmacology  
PSG College of Pharmacy.Coimbatore.

### DAY V

**Session I 10.00 Am - 4.30 pm**

**Topic : "Current scenario and Recommendations**

**Speaker:** Mrs.Jancy Rani, Assistant Professor,  
Department of Pharmacognosy,  
AJ College of Pharmacy.Chennai.

### DAY VI

**Session I 10.00 Am - 4.30 pm**

**Topic : "Pharmacists in Patient Care"**

**Speaker:** Dr. G Syamala, Professor,  
Department of Pharmacognosy,  
PSG College of Pharmacy.Coimbatore.

### DAY VII

**Session I 10.00 Am - 4.30 pm**

**Topic : "Pharmacovigilance and ADR "**

**Speaker:** Dr.Chandra , Professor,  
Department of Pharmaceutics,  
JKKM College of Pharmacy, Komarapalayam.

## SHORT TERM COURSE

ON

**"MODERN TRENDS IN PHARMACY PRACTICE"**

**November 9<sup>th</sup>, 2015 to November 17<sup>th</sup> 2015**

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



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# FACULTY OF PHARMACY KARPAGAM UNIVERSITY

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## REPORT

### SHORT TERM COURSE

### ON

### MODERN TRENDS IN PHARMACY PRACTICE”

*November 9<sup>th</sup>, 2015 to November 17<sup>th</sup> 2015*

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

The short term course on the topic “**MODERN TRENDS IN PHARMACY PRACTICE**” held at Faculty of Pharmacy, Karpagam Academy of Higher Education on From November 9<sup>th</sup>, 2015 to November 17<sup>th</sup> 2015

This short term course was organized with the aim for providing Pharmacy practice 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 K ABDUL KHAYUM 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 “MODERN TRENDS IN PHARMACY PRACTICE will help them more in the future”. On first day the session was delivered by Dr Arul Kumar, Professor, RVS College of Pharmacy, Coimbatore has spoken about the topic “Pharmacy Profession in India ”. On the second day sessions

Dr.R.VIJAYABHARATHI, Professor, College of Pharmacy, MMC, Chennai has spoken related to the topic "Working Practices of Pharmacist". On third day of session delivered by MRS.R.GAYATHRI, Associate Professor, Department of Pharmaceutics, Karpagam College of Pharmacy, Coimbatore on the topic "SALARIES AND JOB OPPORTUNITIES OF PHARMACIST" from the. On fourth day of session MRS.G ARUNA, Associate Professor, Department of Pharmacology, PSG College of Pharmacy,Coimbatore , gave the topic on "Recognition of Pharmacists". On fifth day of session was delivered by Mrs.Jancy Rani, Assistant Professor, Department of Pharmacognosy AJ College of Pharmacy,Chennai has spoken on the topic "Current scenario and Recommendations".

On sixth day: Dr. G Syamala, Professor,Department of Pharmacognosy, PSG College of Pharmacy. Coimbatore Coimbatore has spoken about "Pharmacists in Patient Care". On seventh day DR.CHANDRA Professor, Department of Pharmaceutics, JKKM College of Pharmacy, Komarapalayam has spoken on "Pharmacovigilance and ADR ". The all sessions were more knowledgeable and finally the day ended with vote of thanks.

*Lighting of lamp at the inaugural session*



*Welcome by the Dean, Faculty of Pharmacy*





# FACULTY OF PHARMACY KARPAGAM UNIVERSITY

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## **SHORT TERM COURSE** **ON** **MODERN TRENDS IN PHARMACY PRACTICE**

**From 09/11/2015 to 17/11/2015**

**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

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**Dr. R. Sundararajan**

Dean / FOE

Karpagam University

### Convenor

**Dr.P.Senthil**

Professor & Head

Department of Mechanical Engg.,

Karpagam University

### Organizing Secretaries

**Dr.N.M.Sivaram**, AP/ Mech

**Mr.R.Karuppasamy**, AP/ Mech

## Program Schedule:

Date	Topic	Resource Person
09.11.2015	Introduction to Stir casting furnace and its parts	Dr.P.Senthil Prof. & Head
10.11.2015	Standard operating procedure for stir casting furnace	Dr.N.M.Sivaram AP / Mech
11.11.2015	Handling of various parts of stir casting furnace	Mr.Milon D Selvam AP / Mech
12.11.2015	Maintenance procedure for stir casting furnace	Mr.R.Karuppasamy AP / Mech
13.11.2015	Hands on training for metal preparation	Dr.N.M.Sivaram AP / Mech
14.11.2015	Hands on training for composite manufacturing	Dr.P.Senthil Prof. & Head

## KARPAGAM UNIVERSITY



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

**Training Programme on  
“Handling, Operating and Maintenance  
of Stir Casting Furnace”  
(For Non Teaching Staff)**

**09<sup>th</sup> – 14<sup>th</sup> November 2015**

**Venue: Stir Casting Furnace Lab – 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 Handling, Operating and Maintenance of  
Stir Casting Furnace ((For Non Teaching Staff))**

**Date / Venue : 09.11.2015 to 14.11.2015 / Stir Casting Furnace Lab (Mechanical Engineering)**

**Programme Description:**

- Dr.P.Senthil, Professor and Head, Department of Mechanical Engineering inaugurated the programme.
- Day 1 (09.11.2015) was handled by Dr.P.Senthil, Professor and Head, Department of Mechanical Engineering. He handled the session with the topic of Introduction to Stir casting furnace and its parts.
- Day 2 (10.11.2015) was handled by Dr.N.M.Sivaram, Assistant Professor, Department of Mechanical Engineering. He handled the session with the topic of Standard operating procedure for stir casting furnace.
- Day 3 (11.11.2015) was handled with the topic of Handling of various parts of stir casting furnace by Mr.Milon D Selvam, AssistantProfessor / Mechanical / KU
- Day 4 (12.11.2015) was handled with the topic of Maintenance procedure for stir casting furnace by Mr.R.Karuppasamy, Assistant Professor / Mechanical / KU
- Day 5 (13.11.2015) was handled with the topic of Hands on training for metal preparation by Dr.N.M.Sivaram, Assistant Professor / Mechanical / KU
- Day 6 (14.11.2015) was handled Dr.P.Senthil, Professor and Head / Mechanical / KU with the topic of Hands on training for composite manufacturing.
- Last session was feedback and valedictory. The valedictory session was graced by Mr.R.Karuppasamy, Assistant Professor, Department of Mechanical Engineering, KAHE.



**Standard operating procedure Session was taken on 10.11.2015**



**Hands on training for metal preparation Session was taken on 13.11.2015**

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

**Training Programme on Handling, Operating and Maintenance of Stir Casting Furnace  
(For Non Teaching Staff)**

**09<sup>th</sup> to 14<sup>th</sup> November 2015**

**LIST OF PARTICIPANTS**

<b>Sl. No</b>	<b>Name of the Participant</b>	<b>Designation</b>
1.	Mr.D.Maruthavanan	Lab Technician
2.	Mr.K.Nanjappan	Lab Technician
3.	Mr.S.Manoj kumar	Lab Technician
4.	Mr.J.Vijayashankar	Lab Technician
5.	Mr.C.Selvakumar	Lab Technician



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Dr. S. Subramanian

Vice-Chancellor

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Registrar

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Dean, Basic Science

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Mr. R.Ragupathi  
Assistant Professor

Mr. V.Vinothini  
Assistant Professor

**Resource Persons and Topics**

Day 1 Topic: English for Science and Technology.

Dr. D. Devadoss  
Professor and Head,  
Kumaraguru College of Technology,  
Coimbatore.

Day 2 Topic: Importance of Technical English

Dr. G. Menaka  
Associate Professor and Head,  
PSG College of Technology,  
Coimbatore

Day 3 Topic: Dynamics of Communication Skills

Dr. K. Rathinasabapathy,  
Head, Dept of English,  
PSG College of Arts and Science,  
Coimbatore.

Day 4 Topic: Teaching Communication Skills

Dr. Sri Kumar, Head,  
Department of English and Foreign Languages,  
CMS College of Science and Commerce,  
Coimbatore.

Day 5 Topic: Effective Writing Skills

Dr. R. Poongothai,  
Associate Professor, Dept. of English,  
Kongunadu Arts and Science College,  
Coimbatore.

Day 6 Topic: E - Communication

Dr. D. Devadoss  
Professor and Head,  
Kumaraguru College of Technology,  
Coimbatore.

Day 7 Topic: Structures and Frames of Sentences

Dr. K. Rathinasabapathy,  
Head, Dept of English,  
PSG College of Arts and Science,  
Coimbatore

**KARPAGAM ACADEMY OF HIGHER  
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**Faculty of Engineering**

A Joint Programme of  
Centre for Human Resource Development  
and  
Department of Science and Humanities

Short Term Course On

**Challenges Behind Technical  
English Teaching**

05th to 12th November 2015

Organized By

English Division  
**Department of Science and Humanities, FoE,**  
Karpagam Academy of Higher Education  
Coimbatore-641 021  
Tamil Nadu, India



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Coimbatore – 641 021. INDIA Email ID: [info@karpagam.com](mailto:info@karpagam.com) Web: [www.kahedu.edu.in](http://www.kahedu.edu.in)

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

**AND**

**DEPARTMENT OF SCIENCE AND HUMANITIES**

**Report on Short Term Course on Challenges Behind Technical English Teaching**

**Area: Challenges Behind Technical English Teaching**

**Date:** 05.11.2015-12.11.2015

**Venue:** UM103

**STC SUMMARY**

Behalf of Science and Humanities Department, FoE, Mr. D. Solomon Paul Raj, who had organized Short Term Course on Challenges Behind Technical English Teaching from 05th November to 12th November 2015 at Karpagam Academy of Higher Education. Dr. P. T Hemamalini Professor and Head, Department of Science and Humanities Felicitated and welcomed the Faculties for the Short-Term Course. The Resource person of the workshop was Dr. D. Devadoss, Professor and Head, Kumaraguru College of Technology, Coimbatore, inaugurated the course and delivered his lecture on **English for Science and Technology**. He has specialized in teaching technical English and conducting faculty development programme on teaching learning process of technical English and on sixth day he spoke on the topic E - Communication. On the second day, Dr. G. Menaka, Associate Professor and Head, PSG College of Technology, spoke on the topic Importance of Technical English. She gave immense inputs to the audience, on the third day and seventh day, Dr. K. Rathinasabapathy, Head, Dept of English, PSG College of Arts and Science, mesmerized the audience by his illustrative speech on Dynamics of Communication Skills and Structures and Frames of Sentences. On the fourth day Dr. Sri Kumar, Head, Department of English and Foreign Languages, CMS College of Science and Commerce, spoke on the field of Teaching

Communication Skills. Dr. R. Poongothai, Associate Professor, Dept. of English, Kongunadu Arts and Science College, insisted the need of Effective Writing Skills on fifth day.

Dr. R. Balasubramanian, Dean, Basic Science, KAHE felicitated the event and bestowed his appreciation to the department. The Short-Term Course enhanced the skill of teaching technical English and gave sufficient no. of ideas to encourage the teaching community and insisted about the through pre-preparation for effective teaching to inspire the audience. The Sort Term Course generated the ability of teaching faculty to use various techniques as a tool to teach technical English. In nut-shell this programme was a refreshment event for all faculty members and everybody attended eagerly to utilize the opportunity.

The programme came to an end with the vote of thanks by the organizer Mr. D. Solomon Paul Raj. He thanked the resource persons, HoD and Dean for giving such opportunity to host this wonderful short-term course and he added that it gave the teaching community immense strength to handle the classes in future.

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

**AND**

**DEPARTMENT OF SCIENCE AND HUMANITIES**



Staff Members Attending the Short-Term Course on “Challenges Behind Technical English Teaching” on 5.11.2015.



Staff Members Attending the Short-Term Course on “Challenges Behind Technical English Teaching” on 7.11.2015.



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**Faculty of Engineering**

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

**Short Term Course on “Challenges Behind Technical English Teaching”**

**Staff Members Attended the Short-Term Course on 05.11.2015 to 12.11.2015**

S.No	NAME	DESIGNATION	DEPARTMENT
1	Dr.D.Deepa caroline	Assistant Professor	S&H
2	R.Ragupathi	Assistant Professor	S&H
3	Mr.D.Solomon Paulraj	Assistant Professor	S&H
4	V.Vinothini	Assistant Professor	S&H
5	Dr. M. Rajeswari	Lecturer	S&H
6	M. Deivanayaki	Lecturer	S&H
7	M. Sumithasree	Assistant Professor	S&H
8	T.Baskar	Lecturer	S&H
9	S. Ramamoorthy	Lecturer	S&H
10	C. Divya	Assistant Professor	S&H
11	A. Pandiaraj	Lecturer	S&H
12	B. R. Sathiya	Assistant Professor	S&H
13	C. Devi	Assistant Professor	S&H
14	Dr. A. Kathiresan	Professor	S&H
15	K.Kanagamani	Lecturer	S&H
16	Dr. K. Shankar	Assistant Professor	S&H
17	S. Hemalatha	Lecturer	S&H
18	Dr. P. Muthukrishnan	Lecturer	S&H
19	B. Deepa	Assistant Professor	S&H
20	B. Arun	Assistant Professor	S&H

## ORGANIZING COMMITTEE

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**Dr.S.Sudalaimuthu**

*Vice Chancellor*

*Karpagam Academy of Higher Education*

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*Karpagam Academy of Higher Education*

**Dr.C.R.Hema**

*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 Crew

Mr.MahendraBabu, AP/ECE/KAHE

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

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

## Topics to be Covered:

### DAY 1:

- ❖ Satellite orbits

Speaker: Dr.K.Gunavathi, Professor,

PSG College of Technology, Coimbatore

### DAY 2:

- ❖ Low Earth orbit (LEO)

Speaker: Dr. J.Ramesh,

Assistant Professor, ECE,

PSG College of Technology, Coimbatore

### DAY 3:

- ❖ Satellite constellation

Speaker: Dr .S. Subha Rani Professor & Head,

PSG College of Technology, Coimbatore

### DAY 4:

- ❖ Medium Earth orbit (MEO)

Speaker: Dr.T.Kesavamurthi, Associate Professor, PSG

College of Technology, Coimbatore

### DAY 5:

- ❖ Geostationary orbit (GEO)

Speaker: Dr. L.Thulasimani, Assistant Professor,

PSG College of Technology, Coimbatore

### DAY 6 :

- ❖ Polar orbit

Speaker: Dr.Tamilselvan, Associate Professor, ECE,

KPR Institute of Engineering and

Technology, Arasur

### DAY 7 :

- ❖ Frequency Allocation for satellite systems
- ❖ Applications

Speaker: Dr.G.Umamaheswari, Assistant Professor

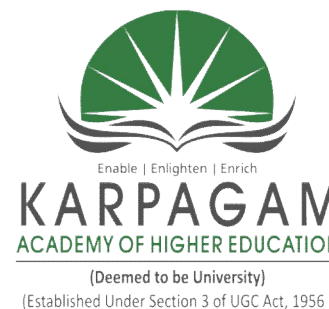
PSG College of Technology, Coimbatore

**Venue: DSP Labortory**

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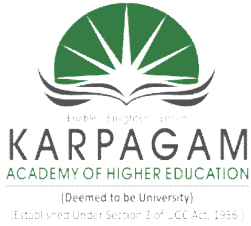


A Joint Programme of  
Centre for Human Resource Development  
and  
Department of Electronics &  
Communication Engineering

Organizes  
One Week STTP  
on

**"Overview of Satellite Systems, Orbits  
and Launching Methods and  
Geostationary and space segment"**  
on

05.11.2015 to 12.11.2015



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## **FACULTY OF ENGINEERING**

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

Report of One Week STTP on "**Overview of Satellite Systems, Orbits and Launching Methods and Geostationary and space segment**" held on 05.11.2015 to 12.11.2015, organized by Department of Electronics & Communication Engineering, KAHE.

One Week STTP on "Overview of Satellite Systems, Orbits and Launching Methods and Geostationary and space segment" focuses on the fundamentals behind the deployment of artificial satellites in geostationary orbits for the purpose of relaying radio signals

### **LIST OF TOPICS COVERED IN THE STTP :**

- ❖ **Satellite orbits**
- ❖ **Low Earth orbit (LEO)**
- ❖ **Satellite constellation**
- ❖ **Medium Earth orbit (MEO)**
- ❖ **Geostationary orbit (GEO)**
- ❖ **Polar orbit**
- ❖ **Frequency Allocation for satellite systems**
- ❖ **Applications**

Enable to become familiar with satellites and satellite services, Study of satellite orbits and launching, Study of earth segment and space segment components, Study of satellite access by various users. In the context of spaceflight, a satellite is an object that has been intentionally placed into orbit. These objects are called artificial satellites to distinguish them from natural satellites such as Earth's Moon.

Satellite communication systems carry much of the world communications traffic, particularly over oceans, and are widely used for television distribution and navigation. Increasingly, satellites are also being used for data relay and personal communication systems. The principles of radio communications have wider application, but the unique attributes of orbiting satellites and the techniques used for communication via these satellites requires a specialized course. This course gives students a broad treatment of the diverse subsystems that make up a complete satellite communication system.

### **OBJECTIVE OF ONE WEEK STTP:**

- ❖ Determine the orbital parameters of a satellite
- ❖ Determine the azimuth and elevation angles and visibility of a geostationary satellite from an earth station
- ❖ Create link budgets for an uplink and a downlink, and determine carrier to noise ratio ( $C/N$ ) at an earth terminal receiver
- ❖ Calculate the baseband signal-to-noise ratio or bit error rate for a satellite link
- ❖ Design a communications satellite system to meet specified objectives for signal to noise ratio ( $S/N$ ) in an analog baseband or BER in a digital link using appropriate multiple access techniques
- ❖ Determine the BER improvement obtained with various ARQ and FEC coding techniques

- ❖ Determine the effect of rain attenuation in a satellite link and the availability of the link based on the geographic location of the earth terminals
- ❖ Determine the type and dimensions of antennas for use on satellites and at earth stations
- ❖ Design satellite communication systems using GEO or LEO satellites to carry voice, video, or data signals using analog or digital modulation



## KARPAGAM ACADEMY OF HIGHER EDUCATION

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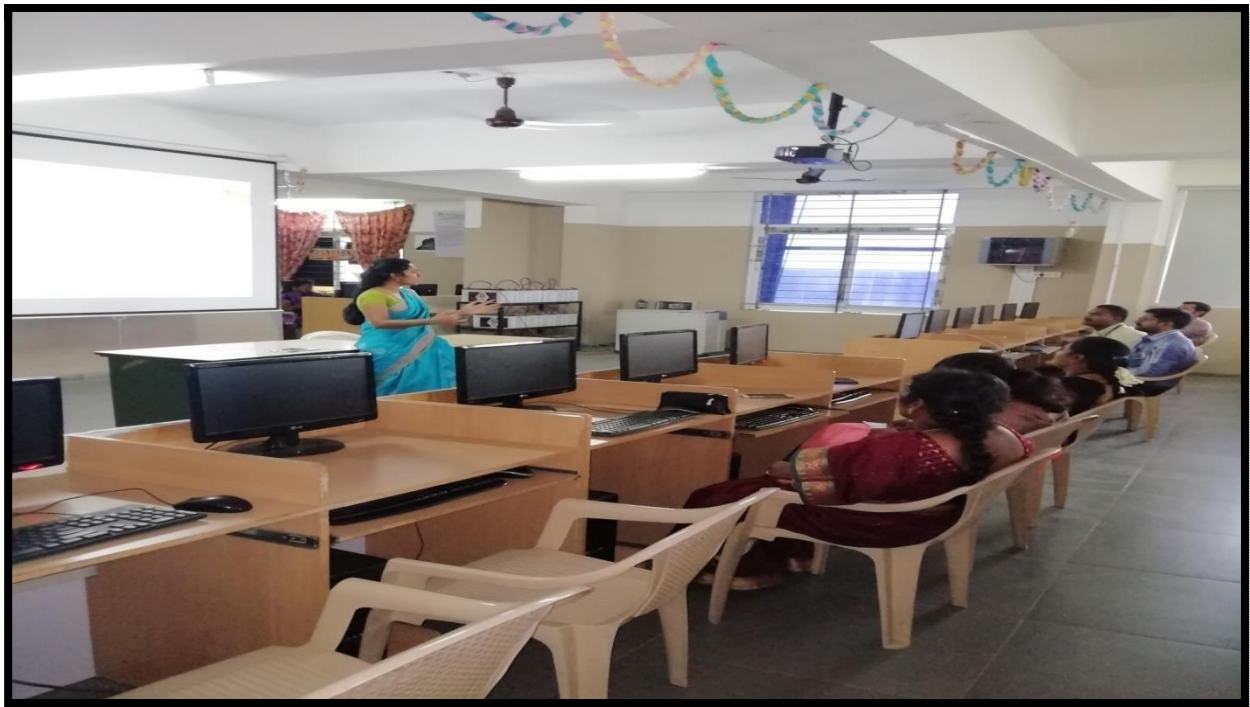
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**A Joint Programme of  
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and  
Department of Electronics & Communication Engineering**

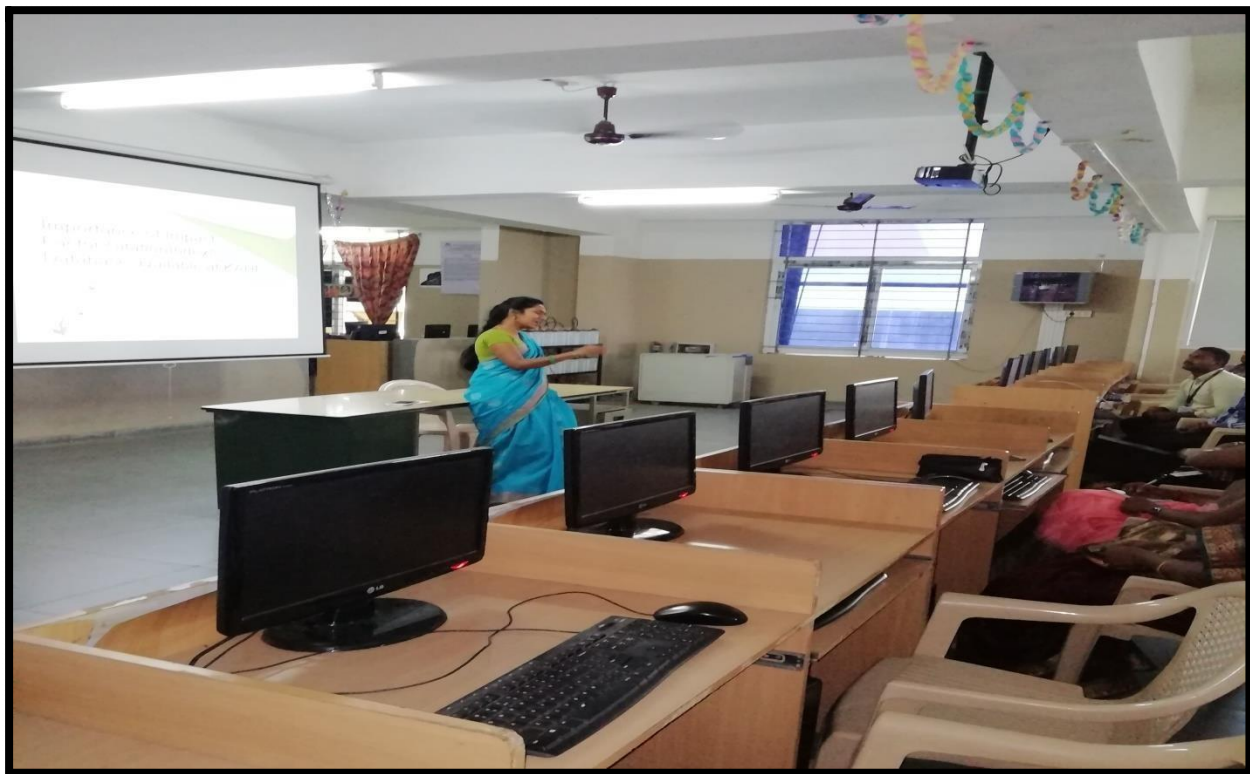
**Glimpses of** One Week STTP on "**Overview of Satellite Systems, Orbits and Launching Methods and Geostationary and space segment** " held on 05.11.2015 to 12.11.2015



Session handled by Dr. T. Kesavamurthi, Associate Professor, PSG College of Technology, Coimbatore on  
Medium Earth orbit on 5.11.2015



Session handles Dr. L.Thulasimani , Assistant Professor, PSG College of Technology, Coimbatore on Geostationary orbit (GEO) on 6.11.2015



Session handles Dr. L.Thulasimani , Assistant Professor, PSG College of Technology, Coimbatore on MEO on 06.11.2015

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

**One Week STTP on "Overview of Satellite Systems, Orbits and Launching Methods and Geostationary and space segment " held from 05.11.2015-12.11.2015**

**LIST OF PARTICIPANTS**

S.No.	NAME OF THE PARTICIPANTS	DESIGNATION	DEPARTMENT
1	Dr. S. Bhavani	Professor & Head	Faculty of Engineering, KAHE
2	Prof. Muthuraman Ramasamy	Professor	Faculty of Engineering, KAHE
3	Dr. P. Manimegalai	Professor	Faculty of Engineering, KAHE
4	Dr. Kamalraj Subramaniam	Associate Professor	Faculty of Engineering, KAHE
5	G.R. Mahendra Babu	Assistant Professor	Faculty of Engineering, KAHE
6	K.P. Sridhar	Assistant Professor	Faculty of Engineering, KAHE
7	M. Darani Kumar	Assistant Professor	Faculty of Engineering, KAHE
8	C. Pandiarajan	Assistant Professor	Faculty of Engineering, KAHE
9	D. Yasar Arfath	Assistant Professor	Faculty of Engineering, KAHE
10	A. Jerome Christhudass	Assistant Professor	Faculty of Engineering, KAHE
11	M. Mathi Vijay	Assistant Professor	Faculty of Engineering, KAHE
12	S. Chellaganesavalli	Assistant Professor	Faculty of Engineering, KAHE
13	T.S. Aravinth	Lecturer	Faculty of Engineering, KAHE
14	M.Arun	Lecturer	Faculty of Engineering, KAHE
15	J. Shafiq Mansoor	Lecturer	Faculty of Engineering, KAHE
16	N. Kaleeswari	Assistant Professor	Faculty of Engineering, KAHE
17	G. Rajarathinam	Assistant Professor	Faculty of Engineering, KAHE

## ORGANIZING COMMITTEE

### Chief Patron

DR.S.SUBRAMANIAN  
Vice chancellor,KAHE

### Patron

Dr. G. SEKAR  
Registrar,KAHE

### Convenor

Dr.R.Thilagavathi  
HOD/Department of Biotechnology (FoE),  
Karpagam Academy of Higher Education.

### Organizing Secretary

Ms. P. Sandhya  
Assistant Professor  
Department of Biotechnology (FoE)

### Co-organizing Secretary

Mrs. G. Jeyalakshmi  
Assistant Professor  
Department of Biotechnology (FoE)

Ms. P. Esther Jemima  
Assistant Professor  
Department of Biotechnology (FoE)

## KEY NOTE SPEAKER

05.11.2015

Dr. Indranil Chattopadhyay,  
Assistant professor,  
Central University,Tamil Nadu.

06.11.2015

Dr. S. Bhargavi MBBS, FRCS,MCH,  
Sri Ramakrishna hospital,Coimbatore.

09.11.2015

Dr.V. Ravi kumar,  
Associate professor,  
Bharathidasan University.

10.11.2015

Dr. Indranil Chattopadhyay,  
Assistant professor,  
Central University,Tamil Nadu.

11.11.2015

Dr.V. Ravi kumar,  
Associate professor,  
Bharathidasan University.

12.11.2015

Dr. S. Bhargavi MBBS, FRCS,MCH,  
Sri Ramakrishna hospital,Coimbatore.

13.11.2015

Dr.V. Ravi kumar,  
Associate professor,  
Bharathidasan University.

## PROFESSIONAL DEVELOPMENT PROGRAMME ON CELLULAR AND CLINICAL ASPECTS OF CANCER

5<sup>th</sup> NOV 2015 - 13<sup>th</sup> NOV 2015

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



Karpagam Academy of Higher Education  
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17.11.2015

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

**Report on Professional Development Programme on  
"Cellular and clinical aspects of Cancer"**

**05.11.2015 to 13.11.2015**

A professional development programme on **"Cellular and Clinical aspects of Cancer"** was organized by Department of Biotechnology, Karpagam Academy of Higher Education from 05.11.2015 to 13.11.2015. As part of this programme, invited talks were arranged for faculties from various academic institutions to throw light on the recent advances in treatment of cancer and its cellular aspects. The first speaker was Dr. BharathRagarajan, MD., DM., ECM, Kovai Medical Center and Hospital (KMCH), has initiated his talk by giving a brief introduction on cancer and its types. Then, he extended his talk by elaborating on cellular basis of cancer cells.

The second speaker was Dr. S. Bhargavi, MBBS, FRCS, MCH from Sri Ramakrishna hospital. She narrated on the epidemiology aspects of cancer and its current status worldwide. She also elaborated on the surgical treatments available for cancer treatment in India.





Professional development programme on “Cellular and Clinical aspects of Cancer” was conducted from 05.11.2015 to 13.11.2015.

Dr. V. Ravi Kumar, PhD was the third speaker for the day from Bharathidasan University, Trichy. He initiated his speech on epigenetic regulation in lung cancer. Then, he added a note on clinical aspects and treatments involved for the lung cancer cure.

The last speaker for the programme was Dr. Indranil Chattopadhyay, Assistant professor, Central University, Tamilnadu. He illustrated the importance of Next generation sequencing technologies to understand the molecular mechanism (transcriptomic/ epigenetic biomarkers) that drive metastatic progression of solid tumors in various cancer types.

Hence, this one week programme was organized in such a way that it was beneficiary to the faculty members

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

**Snapshots of Professional Development Programme on  
"Cellular and clinical aspects of Cancer"**

**05.11.2015 to 13.11.2015**



Snapshots of professional development programme on **Cellular and Clinical aspects of Cancer** conducted on 05.11.2015 to 13.11.2015

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

**DEPARTMENT OF BIOTECHNOLOGY (FoE)**

**Professional Development Programme on**

**"Cellular and clinical aspects of Cancer"**

**05.11.2015 to 13.11.2015**

**LIST OF PARTICIPANTS**

Sl.No	Faculty Name	Designation
1	Dr. R. Thilagavathi	HoD
2	Mrs. G. Jeyalakshmi	Assistant professor
3	Ms. P. Sandhya	Assistant professor
4	Ms. P. Esther Jemima	Assistant professor





**Karpagam Academy of Higher Education**

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

*and*

**DEPARTMENT OF BIOTECHNOLOGY  
(FASH)**

**SHORT TERM COURSE ON  
MOLECULAR TECHNIQUES IN PLANT  
AND MICROBIAL BIOTECHNOLOGY**

**02/11/2015 to 09/11/2015**

**Karpagam Academy of Higher Education**  
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Pollachi Main Road, Eachanari Post,  
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Phone: 0422-2980011 - 15,

Fax: 0422-2611043

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

**Resource Persons**

**02.11.2015**

Dr. V. Arul, Professor and Head,  
Department of Biotechnology,  
Pondicherry University, Pondicherry

**03.11.2015**

Dr. R. Satheeshkumar, Associate Professor  
Department of Biotechnology  
Bharathiyar University, Coimbatore

**04.11.2015**

Prof. Rajagopal Subramanyam Department of  
Plant Sciences University of Hyderabad,  
Hyderabad

**05.11.2015**

Dr. R. Satheeshkumar  
Associate Professor, Biotechnology  
Bharathiyar University, Coimbatore

**06.11.2015**

Dr. K. Balamurugan, Professor, Department of  
Biotechnology Alagappa University,  
Karaikudi

**07.11.2015**

Dr. S. Sekar Professor,  
Department of Biotechnology  
Bharadhidasan University, Thrichy

**09.11.2015**

Dr. Abul Kalam Azad Mandal, Professor,  
Plant Biotechnology Division,  
VIT University, Vellore.

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Vice-Chancellor,

Patron

Dr. G. Sekar, Registrar,

Dr. M. Palaniswamy, Dean (FASH)

Convenor Dr. A. Manickam, Head,

Department of Biotechnology

**Organizing Secretary**

Dr. A. Sangilimuthu,

Associate Professor,

Department of Biotechnology

**Members**

Dr. T. D. Teepica Priyadarshini

Dr. G.R. Prabu

Dr. P. Rajiv

Dr. P. Shree Priya, Assistant Professors,

Department of Biotechnology



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

**REPORT  
ON  
SHORT TERM COURSE ON MOLECULAR TECHNIQUES**

A short term course on Molecular Techniques in Plant and Microbial Biotechnology was organized by Department of Biotechnology during 2<sup>nd</sup> Nov 2015 to 19<sup>th</sup> Nov 2015. The program was aimed to expose and attract participants to the area of modern tools of plant and microbial biotechnology. The one week programs involved technical lecture sessions in the forenoon and practicals in the afternoon sessions. The five day short term course was formerly inaugurated by Dr. M Palanisamy, Dean, FASH, KAHE. The program was facilitated by Dr. S Subramanian, Vice Chancellor, KAHE, Dr. G Saker, Registrar, KAHE and Dr. A Manickam, Head, department of Biotechnology. The vote of thanks for the inaugural session was delivered by Dr. A Sangilimuthu, Department of Biotechnology, KAHE.

On 02/11/2015 The program was started with a technical session by Dr V Arul, Head and professor, Pondichery University, Tamil Nadu. He delivered a speech on Marine microbial biotechnology and drug development. In the afternoon session isolation of DNA from plants and Bacteria was conducted. On 03/11/2015 the morning session was started with a key note address by Dr. Dr R Satheeshkumar, Associate Professor on Plant Molecular Farming, Metabolic Engineering and DNA Barcoding. In the afternoon the result analysis of DNA isolation and restriction digestion was carried out. On third day (04/11/15) the Morning sessions started with speech on Molecular Aspect of photosynthesis with emphasis on the bioenergetics and acclimation of chloroplasts by Dr. R. Subramaniyan, Department of Biotechnology, University of Hyderabad. In the afternoon the experiments were demonstrated for PCR, RFLP and RAPD. Next day the technical session was started with a lecture by Dr. Dr. Dr R Satheeshkumar, Associate Professor and he delivered a his talk on plant genetic engineering. In the afternoon the participants were engaged with PCR cloning and transformation of *E. coli*. On 06/11/2015 there was a special lecture on RNAi in *C. elegans* by Dr. Balamurugan, Department of Biotechnology, Alagappa University, Karaikkudy in the forenoon session. In the afternoon the transformation of *C.*

*elegans* was conducted. On 7<sup>th</sup> Nov morning Professor Sakar, Department of Biotechnology, Barathidasan University Trichy delivered a key note lecture on Microbiome and metagenomics. In the AN demonstration on RNAi induction in *C. elegans* was carried out. On the last day of the event (09/11/15) the FN session was started with a lecture on Genome editing tools. After lunch break the results of the experiments were analyzed and gathered for a validictory function. In the validictory function the guests and participants were formally welcomed by Dr. A Manickam, Head, department of Biotechnology the function was facilitated by Dr. M Palanisamy, Dean, FASH, KAHE. The certificates for the participants were given away by Dr. M Palanisamy, Dean, FASH, KAHE, Dr. A Sangilimuthu, Department of Biotechnology, KAHE delivered vote of thanks. The program was concluded finally with National Anthem.

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

**Short term course on Molecular techniques in plant and microbial Biotechnology**

**Date: 02/11/2015 to 09/11/2015**

**Venue: Biotechnology Department**

**List of Faculty Members participated**

<b>Sl. No.</b>	<b>Faculty Name</b>
<b>1.</b>	Dr. A. Manickam
<b>2.</b>	Dr. T. D. Teepica Priyadarshini
<b>3.</b>	Dr. G.R. Prabu
<b>4.</b>	Dr.A.Sangilimuthu
<b>5.</b>	Dr.P.Rajiv
<b>6.</b>	Dr. P. Shree Priya

## **ADVISORY COMMITTEE**

### **CHIEF PATRON**

**Dr.S.SUDALAIMUTHU**

*Vice-Chancellor*

### **PATRON**

**Dr.G.Sekar**

Registrar

**Dr.C.R.Hema**

Dean, Faculty of Engineering

### **CONVENOR**

**Dr.N.Balasundaram**

Professor & Head

Department of Civil Engineering

**Dr.M.Natarajan**

Professor

Department of Civil Engineering

### **ORGANIZING SECRETARIES**

**A.Thangadurai ,**

Assistant Professor,

Civil Engineering Department

### **COMMITTEE MEMBERS**

- Dr.Pa.Ganeshwaran, Professor / Civil
- Dr.G.R.Vijayashankar, Asso. Professor / Civil
- S.Gobhiga, AP/Civil
- M.Sasi Kumar, AP/Civil
- A.Thangadurai, AP/Civil
- V.Venugopalan, AP/Civil
- E.Ezhilarasi, AP/Civil
- B.Preetiwini, 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 smart structures 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 centers around innovative sensors and sensor systems. This program to enhance the skills of smart sensors monitoring in structures.

### **TOPICS TO BE COVERED**

Day 1: Foundation Engineering  
Day 2: Design of RC Structures-I  
Day 3: Design of RC Structures-II  
Day 4: Structural Mechanics-I  
Day 5: Structural Mechanics-II  
Day 6: Mechanics of Solids  
Day 7: Engineering Mechanics  
Day 8: Engineering Mechanics



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

**One Week Professional Development  
Programme**

**On  
Important  
Civil Engineering Subjects**

**from  
22.10.2015 to 29.10.2015**

**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: 0422-6471113, 6471115, 645377,  
Fax No : 0422-2980022, 2980023  
Email ID: [info@karpagam.com](mailto:info@karpagam.com)  
Web: [www.kahedu.edu.in](http://www.kahedu.edu.in)**

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

**PROFESSIONAL DEVELOPMENT PROGRAM**

**REPORT ON**

**IMPORTANT CIVIL ENGINEERING SUBJECTS**

**Topic:** Foundation Engineering

**Expert Name:** Dr. E.D.Vishwanathan, Consulting Engineer, Salem

**Date:** 22.10.2015 (FN& AN)

**Venue:** UM 213

**SUMMARY:**

**Need for the Topic**

To know the importance of theoretical knowledge and applying the same in field. This one week professional development program was helpful in knowing the recent techniques used in the site.

**Key Points Discussed:**

1. Introduction to Geotechnical Engineering
2. Tests involved in soil mechanics
3. Bearing capacity of Soil
4. Types of foundation and their uses
5. Pile foundation in brief

**Session Outcome:**

At the end of the session the following techniques were gained

1. A detailed knowledge of different field test involved in determining the bearing capacity of soil.
2. Precautions to be needed while taking test.
3. The knowledge of building in a loose soil.
4. Detailed aspects of under reamed pile foundation.
5. Implementation of different theories in field.



**Topic:** Design of RC Structures-I

**Expert Name:** Dr. M. Ravichandran, Executive Engineer, TNPCB, Karur

**Date:** 23.10.2015 (FN& AN)

**Venue:** UM 213

**SUMMARY:**

**Need for the Topic**

To know the importance of theoretical knowledge and applying the same in field. This one week professional development program was helpful in knowing the recent techniques used in the site.

**Key Points Discussed:**

1. Introduction to RCC
2. Mix Design
3. Reinforcements used in different elements of building
4. Importance of designing the building elements for safe load
5. Codal provisions (Indian Standards)

**Session Outcome:**

At the end of the session the following techniques were gained

1. The knowledge in concepts of working stress method and limit state method.
2. IS code of practice for the design of concrete elements
3. Understand the structural behavior of reinforced concrete elements in bending, shear, compression and torsion.
4. The knowledge of drawing the reinforcement details.
5. Methods of crack control in reinforced concrete members.

**Topic:** Design of RC Structures-II

**Expert Name:** Dr. M. Ravichandran, Executive Engineer, TNPCB, Karur

**Date:** 24.10.2015 (FN& AN)

**Venue:** UM 213

**SUMMARY:**

**Need for the Topic**

To know the importance of theoretical knowledge and applying the same in field. This one week professional development program was helpful in knowing the recent techniques used in the site.

**Key Points Discussed:**

1. Structural design of selected advanced structures of concrete
2. Introduction to water tanks design
3. Importance and types of retaining wall
4. One way and two way slab

**Session Outcome:**

At the end of the session the following techniques were gained

1. Design eccentrically loaded and slender columns using SP 16 design charts
2. The knowledge of design principles of Cantilever and Counterfort retaining wall
3. Details of circular slabs and domes
4. Steps involved in design rectangular and circular water tanks using IS code

**Topic:** Structural Mechanics-I

**Expert Name:** Er. Shivalingam, Civil Engineer, PWD, Coimbatore

**Date:** 25.10.2015 (FN& AN)

**Venue:** UM 213

**SUMMARY:****Need for the Topic**

To know the importance of theoretical knowledge and applying the same in field. This one week professional development program was helpful in knowing the recent techniques used in the site.

**Key Points Discussed:**

1. To know the external effects on the body due to action of force system.
2. The discuss the behaviour of structure under different loading conditions.
3. Analysis of determinate structures under action of transverse loading.
4. Analyse Concrete Structures used in Civil Engineering construction.

**Session Outcome:**

At the end of the session the following techniques were gained

1. Various forces acting on the building.
2. Different loading conditions persist in building
3. Conditions of framed structures, determinate and indeterminate frames.
4. Analysis of concrete structures and
5. The knowledge of analysis in real world applications

**Topic:** Structural Mechanics-II

**Expert Name:** Er. Shivalingam, Civil Engineer, PWD, Coimbatore

**Date:** 26.10.2015 (FN& AN)

**Venue:** UM 213

**SUMMARY:**

**Need for the Topic**

To know the importance of theoretical knowledge and applying the same in field. This one week professional development program was helpful in knowing the recent techniques used in the site.

**Key Points Discussed:**

1. To know the external effects on the body due to action of force system.
2. The discuss the behaviour of structure under different loading conditions.
3. Analysis of determinate structures under action of transverse loading.
4. Analyse Concrete Structures used in Civil Engineering construction.

**Session Outcome:**

At the end of the session the following techniques were gained

1. Various forces and loading conditions acting on the building
2. Conditions of framed structures, determinate and indeterminate frames.
3. Analysis of concrete structures and
4. The knowledge of analysis in real world applications
5. Analysis of a framed structure using STAAD. Pro software

**Topic:** Mechanics of Solids

**Expert Name:** Dr. N. Kumar, Executive Engineer, Horticulture Department, Ooty

**Date:** 27.10.2015 (FN& AN)

**Venue:** UM 213

**SUMMARY:**

**Need for the Topic**

To know the importance of theoretical knowledge and applying the same in field. This one week professional development program was helpful in knowing the recent techniques used in the site.

**Key Points Discussed:**

1. Brief introduction to stress and strain

2. Theory of elasticity and Hooks law
3. Mohr's Circle
4. Bending equation

**Session Outcome:**

At the end of the session the following techniques were gained

1. Stress and strain relationship and their properties
2. The knowledge about the elastic conditions of different materials using Hook's law
3. Applications of Mohr's circle in real life structures.
4. The knowledge in deriving the formulae through the derivation of bending equation.

**Topic:** Engineering Mechanics

**Expert Name:** Dr.J. Shankar, Consulting Engineer, Surrya Builders, Salem

**Date:** 28.10.2015 (FN& AN)

**Venue:** UM 213

**SUMMARY:****Need for the Topic**

To know the importance of theoretical knowledge and applying the same in field. This one week professional development program was helpful in knowing the recent techniques used in the site.

**Key Points Discussed:**

1. Introduction to Statics and dynamics
2. Free body diagram
3. Centroid and moment of inertia
4. Friction and their types
5. Kinetics of rigid bodies.

**Session Outcome:**

At the end of the session the following techniques were gained

1. Analyze the system of forces in two and three dimensional objects and also to draw the free body diagram of any object.
2. Calculate the forces through method of joints and able to determine the type of friction in the bodies.
3. Evaluate the centroid, centre of gravity, moment of inertia for standard and composite sections.

4. Employ the methods of virtual work and energy method to the system of rigid bodies.
5. Determine the type of motion and to solve simple problems using De Alembert's Principle.

**Topic:** Engineering Mechanics

**Expert Name:** Dr.J. Shankar, Consulting Engineer, Surrya Builders, Salem

**Date:** 29.10.2015 (FN& AN)

**Venue:** UM 213

### **SUMMARY:**

#### **Need for the Topic**

To know the importance of theoretical knowledge and applying the same in field. This one week professional development program was helpful in knowing the recent techniques used in the site.

#### **Key Points Discussed:**

1. Introduction to Statics and dynamics
2. Free body diagram
3. Centroid and moment of inertia
4. Friction and their types
5. Kinetics of rigid bodies.

#### **Session Outcome:**

At the end of the session the following techniques were gained

1. Analyze the system of forces in two and three dimensional objects and also to draw the free body diagram of any object.
2. Calculate the forces through method of joints and able to determine the type of friction in the bodies.
3. Evaluate the centroid, centre of gravity, moment of inertia for standard and composite sections.
4. Employ the methods of virtual work and energy method to the system of rigid bodies.
5. Determine the type of motion and to solve simple problems using De Alembert's Principle.

**Co-ordinator**





**Professional Development Program on Mechanics of Solids conducted by  
Dr. E. D. Vishwanathan- on 27.10.2015**



**Professional Development Program on Important  
Civil Engineering Subjects by Dr. E. D. Vishwanathan- 27.10.2015**



**KARPAGAM ACADEMY OF HIGHER EDUCATION  
COIMBATORE-21  
FACULTY OF ENGINEERING**

**DEPARTMENT OF CIVIL ENGINEERING**

**One Week Professional Development Program**

*On*

**Important Civil Engineering Subjects  
List of Participants**

DATE: 22.10.2015- 29.10.2015

VENUE: UM 213

S.No	Name of the Staff	Designation
1.	N.Balasundaram	HOD
2.	Dr. M. Natarajan	Associate Professor
3.	G.R.Vijayshankar	Assistant Professor
4.	V.Venugopalan	Assistant Professor
5.	A.Thangadurai	Assistant Professor
6.	M.Sasi Kumar	Assistant Professor
7.	S.Gobhiga	Assistant Professor
8.	B.Preetiwini	Assistant Professor
9.	M.Narmadha	Assistant Professor
10.	E.Ezhilarasi	Assistant Professor
11.	K. Rubini	Lecturer
12.	J.Jenin Rajasingh	Lecturer
13.	M.Vidhya	Lecturer
14.	S.Baragath Nisha	Lecturer
15.	M.A.Asha	Lecturer
16.	R.Nirmala	Lecturer
17.	R.Bharani	Lecturer

## **ORGANIZING COMMITTEE**

### **Chief Patron:**

**Dr. S. SUBRAMANIAN,**

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,

KAHE, Coimbatore

### **Organizing Secretary:**

**Dr. K. Devaki**

For contact us:

Department of Biochemistry,

E.mail: devakiajasekar@gmail.com

## **PROGRAM SCHEDULE:**

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

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

**Topic : Outcome based Education**

**and Choice based credit**

**system**

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

**Topic : Bloom's Taxonomy**

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

**Topic : Scientific Ethics**

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

**Topic : Concepts in Bioinformatics**

**tools**

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

**Topic: Recombinant DNA**

**Technology**

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

**Topic : Molecular non infectious**

**Disease**

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

**Topic Molecular non infectious Disease**



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

## **DEPARTMENT OF BIOCHEMISTRY**

### **Professional Development Program on "UGC Curriculum"**

**20.10.2015 to 27.10.2015**

**Organized by**

**DEPARTMENT OF BIOCHEMISTRY**

**Venue: Bharathi Hall**



# KARPAGAM UNIVERSITY

Karpagam Academy of Higher Education  
(Established Under Section 3 of UGC Act 1956)  
Eachanari Post, Coimbatore – 641 021 INDIA

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

**Date: 28.10.2015**

**CONSOLIDATED REPORT**

Biochemistry department has conducted “Professional Development Program on UGC curriculum” on 20.10.2015- 27.10.2015 at 9 A.M to 4. 00. P.M. in the Bharathi Hall.

Totally eight faculties were attended in the program.

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

**Day 1: Outcome based Education and Choice based credit system** Dr. P.R. Padma from Avinashilingam University, Coimbatore, has delivered the outcome based Education and choice based credit system. In that lecture, course outcome, course objective and course mapping were discussed. Also, resource person had clearly, explained about the how to set the core course, skill development courses, ability enhancement courses and generic courses were discussed.

**Day: 2 Bloom's Taxonomy** Dr. M. Meena from Bioline lab, Chennai. In that Program, Resource person had clearly demonstrated the Bloom's Taxonomy particularly, hierarchical Ordering of cognitive skills. This lecture, really helps the teachers to take the class



Interesting. Furthermore, discussed about the Knowledge, understanding, Application, Analysis, Synthesis, and Evaluation.

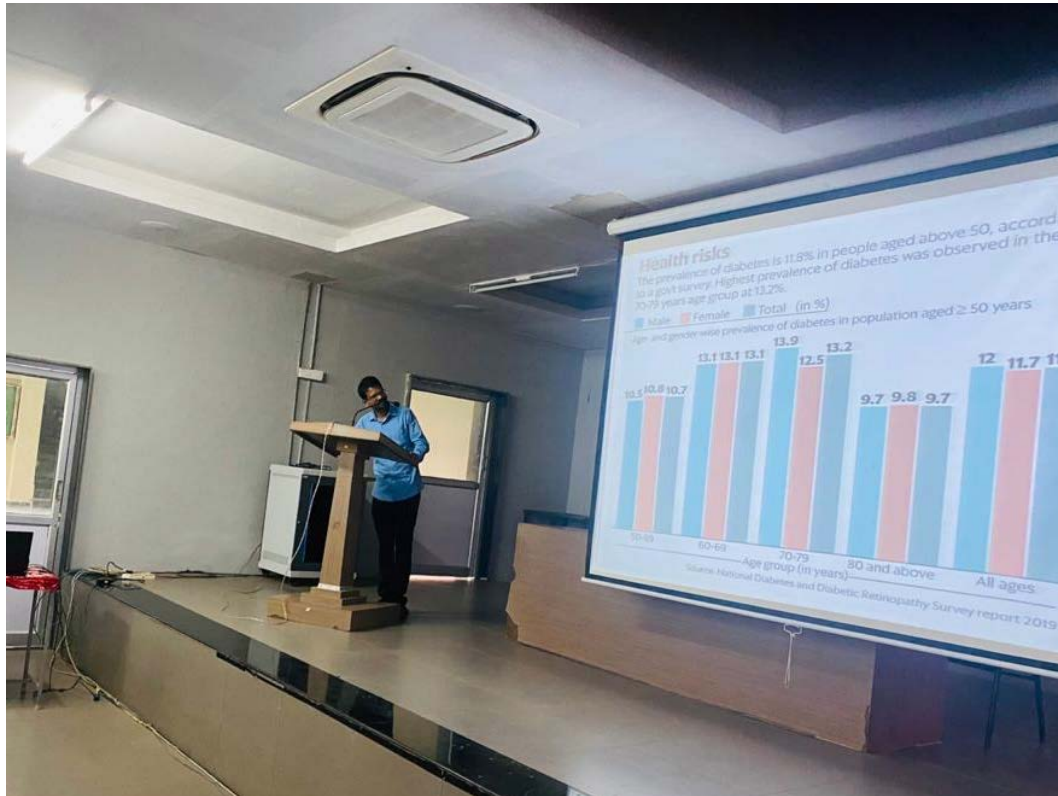
**Day: 3 Scientific Ethics** Dr. J. Jannet Vennila, from Karunya University, Coimbatore. In that lecture, resource person had addressed about the ethics and aesthetics. Also, explained about the meta ethics, normative ethics and applied ethics.

**Day: 4 Concepts in Bioinformatics tools: Dr. Kiruba Daniel, from Bioscience Limited, Coimbatore.** Bioinformatics tools are one of the software programs that are designed for extracting the meaningful information from the mass of molecular biology / biological databases & to carry out sequence or structural analysis. In this lecture, guest person has delivered about the blast techniques, othoMCL, Dot plot, RSCATand Pscan.

**Day 5: Recombinant DNA Technology:** Dr. Sulaiman, Arya vaidhya sala, Kotakal from Kerala. Recombinant DNA technology means are the joining together of DNA molecules from two different species. The recombined DNA molecule is inserted into a **host organism** to produce new genetic combinations that are of value to science, medicine, agriculture, and industry. Resource person had highlighted about the role of rDNA technology in food and agriculture field. Also, explained about the gene therapy and recombinant vaccine.

**Day 6: Molecular noninfectious Disease** Dr. M. Sridhar Muthusami from Karpagam University, Coimbatore. He has delivered about the Molecular biological methods for the detection and characterization of microorganisms have revolutionized diagnostic microbiology and are now part of routine specimen processing.

**Day 7 : Fundamentals of Nanotechnology :** Dr. Gayath.iri Devi from Avinashilingam University, Coimbatore. In this lecture Resource person had explained about the basics of nano technology and clinical application of nanotechnology.



**Dr. M. Sridhar Muthusami has delivered his lecture on Molecular noninfectious Disease**



# KARPAGAM ACADEMY OF HIGHER EDUCATION

## Department of Biochemistry

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### Professional Development Program on "UGC curriculum"

#### **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. S. Ram kumar	Assistant Professor
5	Dr. Bala subramanian	Assistant Professor
6	Dr.M. Sridhar muthusami	Assistant Professor
7	Dr. L. Hariprasath	Assistant Professor
8	Dr. J. Anitha	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" Functions
- 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



**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 University

### Patrons

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V. Krishnakumar, Chancellor, Karpagam  
University Dr.S.Sudalaimuthu, Vice-  
chancellor, Karpagam University  
Dr.R.Sundararajan, Registrar, Karpagam  
University

Dr. P. Palanivelu, Controller of  
Examinations, Karpagam University  
Dr. M.Palaniswamy, Dean, Faculty of Arts,  
Science and Humanities, Karpagam  
University

### Convener

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

### Organizing Secretaries

Dr.K.Kumuthadevi  
N.Kodhai Nayaki  
P. Soundaravalli

### Executive Committee Members

N. Sumathi  
W.Saranya  
Dr. S. Hemalatha  
K. Gomathi  
K. Kavitha  
Deepu Nair  
Dr. K. Jothi  
P. Kalaivani  
A. Geethalakshmi  
S. Sambath Kumar  
D. Lavanya  
V. Mathan Kumar  
N. Ramyaprabha  
R. Judith Priya  
P. Sopna  
S. Karthik  
K. Pavithra

## About the Programme:

**Research methodology** is the specific procedures or techniques used to identify, select, process, and analyze information about a topic. In a **research** paper, the **methodology** section allows the reader to critically evaluate a **study's** overall validity and reliability

**DATE: 20.10.2015 to 26.10.2015**



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

**PROFESSIONAL  
DEVELOPMENT PROGRAMME**

RESEARCH  
✓ METHODOLOGY



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

**REPORT ON PROFESSIONAL DEVELOPMENT PROGRAM  
ON  
RESEARCH METHODOLOGY**

The Department of Commerce organized a Professional development Programme on Research Methodology during 20.10.2015 to 26.10.2015. The faculty members of FASH, FOE participated in this programme. The resource person gave insight towards Research Methodology and researchers found it very useful and informative.

Research methodology is the specific procedures or techniques used to identify, select, process, and analyze information about a topic. In a research paper, the methodology section allows the reader to critically evaluate a study's overall validity and reliability.

Research methods can be defined as “a systematic and scientific procedure of data collection, compilation, analysis, interpretation, and implication pertaining to any business problem”. Types of research methods can be classified into several categories according to the nature and purpose of the study and other attributes. In methodology chapter of your dissertation, you are expected to specify and discuss the type of your research according to the following classifications.

## **TYPES OF RESEARCH METHODS**

**Quantitative research**“ describes, infers, and resolves problems using numbers. Emphasis is placed on the collection of numerical data, the summary of those data and the drawing of inferences from the data”.

**Qualitative research**, on the other hand, is based on words, feelings, emotions, sounds and other non-numerical and unquantifiable elements. It has been noted that “information is considered qualitative in nature if it cannot be analysed by means of mathematical techniques. This characteristic may also mean that an incident does not take place often enough to allow reliable data to be collected”.

## **NATURE OF RESEARCH**

Types of the research methods according to the nature of research can be divided into two groups: descriptive and analytical. Descriptive research usually involves surveys and studies that aim to identify the facts. In other words, descriptive research mainly deals with the “description of the state of affairs as it is at present” and there is no control over variables in descriptive research. Analytical research, on the other hand, is fundamentally different in a way that “the researcher has to use facts or information already available and analyse these in order to make a critical evaluation of the material”.

## **PURPOSE OF THE STUDY**

Purpose of the study, types of research methods can be divided into two categories: applied research and fundamental research. Applied research is also referred to as an action research, and the fundamental research is sometimes called basic or pure research. The table below summarizes the main differences between applied research and fundamental research. Similarities between applied and fundamental (basic) research relate to the adoption of a systematic and scientific procedure to conduct the study.

### **Hypothesis of the Study**

A research hypothesis is the statement created by researchers when they speculate upon the outcome of a research or experiment. Hypothesis is a tentative conjecture explaining an observation, phenomenon, or scientific problem that can be tested by further observation, investigation, or experimentation. Hypotheses are testable explanations of a problem, phenomenon, or observation. Both quantitative and qualitative research involve formulating a hypothesis to address the research problem. Hypotheses that suggest a causal relationship involve at least one independent variable and at least one dependent variable; in other words, one variable which is presumed to affect the other.

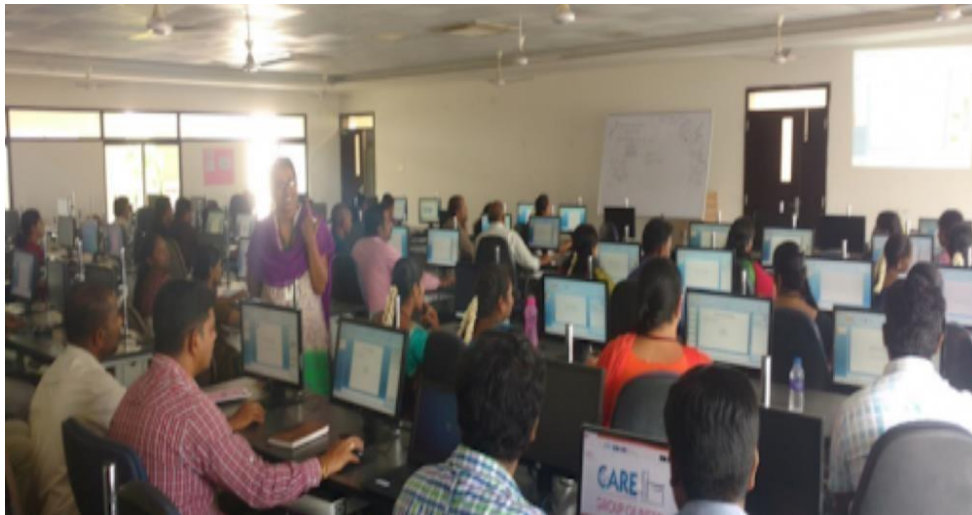
### **Type of Hypothesis**

- Simple Hypothesis
- Complex Hypothesis
- Empirical Hypothesis
- Null Hypothesis
- Alternative Hypothesis

- Logical Hypothesis
- Statistical Hypothesis

## **CONCLUSION**

Research methodology is the specific procedures or techniques used to identify, select, process, and analyze information about a topic. In a research paper, the methodology section allows the reader to critically evaluate a study's overall validity and reliability.



The Guest of the day gives explanation on how to analyse data in the system.

# **KARPAGAM UNIVERSITY**

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

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

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

#### **Professional Development Programme on Research Methodology**

**20.10.2015 to 26.10.2015**

#### **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
26	N.Kalaiaarasi	Assistant Professor





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

**Coimbatore 641021**

**A Joint Programme Of  
Centre For Human Resource  
Development**

**&**

**Department of Management**

Invites you for

**PROFESSIONAL DEVELOPMENT  
PROGRAMME ON INNOVATION IN  
TEACHING PEDAGOGY**

**20.10.2015 - 26.10.2015**



**Chief Patron**

**Vice Chancellor  
KAHE**

**Patron**

**Registrar  
KAHE**

**Dean  
FASH  
KAHE**

**Convenor :**

**Dr.M.Ashokkumar**

**Coordinators:**

**Dr. C.Shangunthala**

***Dr. A. Martin jayaraj***

**Schedule for Professional Development  
Program**

Date	Topic	Resource Person
20.10.2015	Crossover learning & context based learning	G. Ramathilagam, Dean Humanities, Avinashilingam Deemed University
21.10.2015	Embodied learning & Analytics of Emotion	Dr. A.Jafersadhiq, Assistant Professor Department of Management Erode Sengunthar Engineering College, Perundurai

22.10.2015	Adaptive Teaching & Incidental learning	Dr. A.S. Sathish Kumar Assistant Professor Knowledge Business School Salem
23.10.2015	Stealth Assessment	Dr. M.V .Kanaka Rathinam Professor & Head , Department of Commerce Nehru Arts and Science College, Coimbatore
24.10.2015	Computation Learning	Dr.Susan Abraham Professor Psgr Krishnammal college for women, coimbatore -4
25.10.2015	Argumentation	Dr.p. Murugesan Retired Professor of Economics Pachaiyappan college, chennai
26.10.2015	Gamification	Dr. Shantha mani, Professor Vels deemed university, chennai

## Report - PROFESSIONAL DEVELOPMENT PROGRAMME ON INNOVATION IN TEACHING PEDAGOGY -

20.10.2015 - 26.10.2015

### Day 1:

Date	Session	Topic	Resource Person
20.10.2015	FN& AN	Crossover learning & context based learning	G. Ramathilagam, Dean Humanities, Avinashilingam Deemed University

Resource person : G. Ramathilagam, Dean Humanities, Avinashilingam Deemed University, Coimbatore. The Professional development Program started at 9:30 am on 20.10.2015 in Thiruvalluvar Hall with the Welcome address by Dr. A. Ashok kumar, Professor & Head, Department of Management, KAHE. Firstly the Resource person gave introduction on the overall aspects of learning. He highlighted the importance of Crossover learning and context based learning. He also addressed nuances of crossover and Context based learning and how it can be implemented.

### Day 2:

Date	Session	Topic	Resource Person
21.10.2015	FN&AN	Embodied learning & Analytics of Emotion	Dr. A.Jafersadhiq, Assistant Professor Department of Management Erode Sengunthar Engineering College, Perundurai

Resource person: Dr. A.Jafersadhiq, Assistant Professor, Department of Management, Erode Sengunthar Engineering College, Perundurai.. In second day the resource person has explained on Embodied learning. Resource person addressed on the theme of Analytics of Emotion. Finally he provided guidelines to use the emotional intelligence and improve the learning model.

## Day 3:

Date	Session	Topic	Resource Person
22.10.2015	FN&AN	Adaptive Teaching & Incidental learning	Dr. A.S. Sathish kumar Assistant Professor Knowledge Business School Salem

Resource Person: Dr. A.S. Sathish kumar, Assistant Professor , Knowledge Business School, Salem. Day three of the Professional development Program started at 9:30 am on 22.10.2015. The resource person started the session on Adaptive Teaching and Incidental learning. Later on he emphasized on achieving a common instructional goal with learners whose individual differences, such as prior achievement, aptitude, or learning styles differ.

## Day 4:

Date	Session	Topic	Resource Person
23.10.2015	FN&AN	Stealth Assessment	Dr. M.V. Kanaka Rathinam Professor & Head , Department of Commerce Nehru Arts and Science College, Coimbatore

Resource person: Dr. M.V.Kanaka Rathinam, Professor & Head, Department of Commerce, Nehru Arts and Science College, Coimbatore. Day four of the Professional development Program started at 9:30 am on 23.10.2015, the topics covered by the resource person on the day was Stealth Assessment. The resource person elaborated on how stealth assessment can be used and the integration of stealth assessment pedagogy practices.

## Day 5:

Date	Session	Topic	Resource Person
24.10.2015	FN&AN	Computation Learning	Dr.Susan Abraham Professor Psgr Krishnammal college for women, coimbatore -4

Resource person: Dr.Susan Abraham, Professor Psgr Krishnammal college for women, coimbatore -4. Day five of the Professional development Program has begun at 9:30 am on 24.10.2015, the resource person lectured on Computation Learning and its importance in Educational system. Resource person also stressed about the advancement of artificial intelligence in other areas and how it can be employed in educational practices.

## Day 6:

Date	Session	Topic	Resource Person
25.10.2015	FN&AN	Argumentation	Dr.P. Murugesan Retired Professor of Economics Pachaiyappan college, chennai

Resource person: Dr. P. Murugesan, Retired Professor of Economics Pachaiyappan college, Chennai. On day six the resource person has addressed on the topics of Argumentation. He spoke about the theories of argumentation and its kind. How argumentation can be used as a strategy to elevate the teaching process.

## Day 7:

Date	Session	Topic	Resource Person
26.10.2015	FN&AN	Gamification	Dr. Shantha mani, Professor Vels deemed university, chennai

Resource person: Dr. Shantha mani, Professor, Vels deemed university, Chennai. Final day of the short term course had started at 9:30 am on 26.10.2015. The resource person gave address on the importance of gamification of education and how it can be used as a tool stimulate the students to learn by using games in classroom environment. Resource person also presented various gaming concepts which enhances the students engagement in the classroom. Finally the workshop ended with the vote of thanks by Dr. C. Shagunthala, Assistant Professor, Department of management.

## PHOTOS



**PROFESSIONAL DEVELOPMENT PROGRAMME ON INNOVATION IN TEACHING PEDAGOGY**  
Dr. A.S. Sathish kumar, Assistant Professor, Knowledge Business School, Salem

## Professional development Program Schedule

Date	Session	Topic	Resource Person
20.10.2015	FN& AN	Crossover learning & context based learning	G. Ramathilagam, Dean Humanities, Avinashilingam Deemed University
21.10.2015	FN&AN	Embodied learning & Analytics of Emotion	Dr. A.Jafersadhiq, Assistant Professor Department of Management Erode Sengunthar Engineering College, Perundurai
22.10.2015	FN&AN	Adaptive Teaching & Incidental learning	Dr. A.S. Sathish kumar Assistant Professor Knowledge Business School Salem
23.10.2015	FN&AN	Stealth Assessment	Dr. M.V.Kanaka Rathinam Professor & Head , Department of Commerce Nehru Arts and Science College, Coimbatore
24.10.2015	FN&AN	Computation Learning	Dr.Susan Abraham Professor Psgr Krishnammal college for women, coimbatore -4
25.10.2015	FN&AN	Argumentation	Dr.p. Murugesan Retired Professor of Economics Pachaiyappan college, chennai
26.10.2015	FN&AN	Gamification	Dr. Shantha mani, Professor Vels deemed university, chennai



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**A JOINT PROGRAMME OF**  
**CENTRE FOR HUMAN RESOURCE DEVELOPMENT**  
**AND**  
**DEPARTMENT OF MANAGEMENT STUDIES AND RESEARCH**  
**PROFESSIONAL DEVELOPMENT PROGRAM ON “INNOVATION IN TEACHING PEDAGOGY”**

**List of Participants**

**Date:** 20.10.2015 to 26.10.2015

<b>S.No.</b>	<b>Name of the Staff</b>	<b>Designation</b>
1.	Dr M Ashok Kumar	Head of the Department
2.	Dr.V.Shanthaamani	Professor
3.	Dr. M. Nandhini	Assistant Professor
4.	Dr. R. Karthikeyan	Assistant Professor
5.	Dr. V. Krishnaveni	Assistant Professor
6.	Dr. A. Dharmaraj	Assistant Professor
7.	Dr. M. Usha	Assistant Professor
8.	Ms. C. Sagunthala	Assistant Professor
9.	Mrs. R Preetha	Assistant Professor
10.	Mr. A. Martin Jayaraj	Assistant Professor
11.	Mrs. G. Sumathi	Assistant Professor
12.	Lt.S.Saranya	Assistant Professor
13.	Dr.K.Gunasundari	Assistant Professor
14.	Mr. G. Hariharan	Assistant Professor

## **Training Program**

**ON**

**Communication Skill Development Program for non-teaching staff**

**JULY 12<sup>TH</sup> 2015**

**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

## **SPEAKERS**

**Dr. B.V. Pradeep,**

**Professor & Head**

**Dept. of Microbiology**

**Karpagam University**



## **TRAINING PROGRAM**

**ON**

**COMMUNICATION SKILL DEVELOPMENT PROGRAM FOR  
NON-TEACHING STAFF**

**JULY (12.07.2015)**

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

## **DEPARTMENT OF MICROBIOLOGY**

**CORDIALLY INVITES YOU FOR THE**

**TRAINING PROGRAMME**

**ON**

**COMMUNICATION SKILL DEVELOPMENT PROGRAM FOR  
NON-TEACHING STAFF**

**On 12<sup>TH</sup> July, 2015 at 9.30 am**

**at**

**MICROBIOLOGY LABORATORY**

**Dr.B.V.Pradeep**

**Professor,**

**Dept. of Microbiology ,**

**Karpagam University**

## **Report on Communication Skill Development Program for non-teaching staff**

**Held during 12<sup>th</sup> July, 2015**

A One-day training program on communication Skill development held during 12<sup>th</sup> July, 2015, at Department of Microbiology, Karpagam University. The soft skill development program helped the participants to learn the experimental learning and ample use of role play and general understanding. This skill development program helps them to gain confidence to understand their quality and their lacunae.

Resource person gave necessary tips and guidelines on drafting formal emails, was followed by the participants' drafting emails in groups on their own on some given topics. They were made to read out the drafts and necessary corrections and clarifications were suggested by the resource person.

The resource person gave some useful information and tips on drafting official letters and the participants were asked to work in groups and write out formal letters making use of the tips and following the guide lines given. After the groups finished writing, some of them were asked to read out the letter drafted by their group and they were given suggestions as how the letters could have been made more appropriate and effective.



**Attendance report for Communication Skill Development Program for non-teaching staff**

**Held during 12<sup>th</sup> July, 2015**

**Organized by: Department of Microbiology**

<b>Sl. No.</b>	<b>Name of the Faculty</b>	<b>Department</b>
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. Subramanian**

Vice-Chancellor

KARPAGAM ACADEMY OF HIGHER  
EDUCATION

### Patron

**Dr. G. Sekar**

Registrar

KARPAGAM ACADEMY OF HIGHER  
EDUCATION

**Dr. R. Balasubramanian**

Dean, Basic Science

KARPAGAM ACADEMY OF HIGHER  
EDUCATION

### Organizing Secretary

Dr. P. T. Hemamalini

Head of the Department

Department of Science and Humanities.

### Organizing Team Members

Dr. S. Maragathavalli

Associate Professor

Ms.M.Deivanayaki

Assistant Professor

## TOPICS

Day 1 (FN) Topic: Fourier Series & Fourier Transforms.

Dr. N. Nagaveni, Associate Prof.of Mathematics  
Coimbatore Institute of Technology

Day 1(AN) Topic: LATEX

Dr. S. Mutharasu, Assistant Prof. of Mathematics,  
CBM College, CBE.

Day 2 (FN) Topic: Teaching methodologies in  
Mathematics

Dr. R. Arumuganathan, Prof. and Head,  
Dept of Mathematics, PSG College of Technology, CBE

Day 2 (AN) Topic: Random Processes

Dr. K. Ramakrishnan, Associate Prof.of Mathematics,  
Sri Krishna College of Engineering and Technology, CBE

Day 3 (FN) Topic: Free and Open Software Sources.

Dr. K. Sumathi, Associate Prof. of Mathematics,  
PSGR Krishnammal College, Coimbatore

Day 3(AN) Topic: Linear Algebra and Fourier analysis

Dr. T. Palanisamy, Associate Prof. of Mathematics,  
Amrita University, CBE

Day 4 Topic Beta, Gamma and Hyperbolic functions

Dr. R. Balasubramanian, Dean Basic Science, FOE, KAHE

Day 4 Topic: Topology

Dr. S. Maragathavalli, AssociateProf.,Mathematics,KAHE

Day 5 (FN) Topic: Numerical Aptitude

Dr. N. Nagaveni, Associate Prof. of Mathematics  
Coimbatore Institute of Technology

Day 5 (AN) Topic: Art of teaching.

Ms.M.Deivanayaki, Assistant Prof. of Mathematics,KAHE

Day 6 (FN) Topic: Discrete Mathematics

Dr.N.Murugesan, Assistant prof. in Mathematics,  
Govt. Arts college, CBE.

Day 6 (FN) Topic: Workshop on EngineeringMathematics II

Dr. R. Balasubramanian, Dean Basic Science, KAHE

Day 7 (FN) Topic: Linear Algebra

Dr. T. Palanisamy, Associate Prof.of Mathematics,  
Amrita University, Coimbatore.

Day 7 (AN) Topic: Engineering Mathematics

Dr.S.MarshallAnthoni,Associate Prof. of Mathematics,  
Anna University, Coimbatore

## KARPAGAM ACADEMY OF HIGHER EDUCATION



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

**Professional Development Programme  
on**

**Recent Trend in Engineering  
Mathematics**

**06.07.2015 to 13.07.2015**

**Organized By  
Department of Science and Humanities**

**Venue :UM103**

**A Joint Programme Of**  
**Centre For Human Resource Development**  
**and**  
**Department of Science and Humanities**

**Report on Professional Development Program on Recent Trends in Engineering Mathematics**

**Area:** Recent Trends in Engineering Mathematics

**Date:** 06.07.2015-13.07.2015

**Venue:** UM103

**FDP SUMMARY**

A Seven days Professional development programme was successfully conducted in the Karpagam University from 6<sup>th</sup> -13<sup>th</sup> July 2015 by Department of Science and Humanities for the Faculty of Mathematics. Professional Development programs encourage faculty members to gain knowledge on the subject areas and provide innovative approaches to develop the right pedagogical tools for the teaching-learning process. The program aims to raise the quality of the teaching-learning process.

6<sup>th</sup> July 2015

The programme was inaugurated in the morning at 9.30 a.m. Dr.P.T.Hemamalini, Prof. & Head,Dept, of S&H welcomed the gathering. The resource person Dr.N.Nagaveni, Associate professor of mathematics, Coimbatore Institute of Technology,Coimbatore has delivered a lecture on Fourier Series and Fourier Transforms. She started with the basic concepts and explained the applications of the particular field. She gave some memory aids to remember the formulae. The session ended with the Vote of thanks by Ms.M.Deivanayaki, Assistant Prof. of Mathematics.

The afternoon session was devoted to LaTeX, which is a high-quality typesetting system; it includes features designed for the production of technical and scientific documentation. LaTeX is used for the communication and publication of research articles. Dr.S.Maragathavalli, Associate Prof. of mathematics gave welcome address. The resource person Dr.S.Mutharasu, Assistant Professor of mathematics,CBM college, Coimbatore started his lecture with practical session on LATEX, and gave demo to all types of documents and drawings used in the research articles. The faculty members involved very much in writing the codes on their own. Ms.B.Deepa, Assistant Prof. of Mathematics thanked all for their participation.

7<sup>th</sup> July 2015(Second Day)

The morning session started with a welcome speech by Dr.R.Balasubramanian, Dean Basic sciences Dr.R.Arumuganathan, Professor and Head,Department of Mathematics, PSG College of Technology, Coimbatore has delivered interactive lecture on Teaching methodologies in Mathematics.He started his discussion on methods of teaching and objectives of teaching.He discussed very basic ideas of concept of Education,Teaching and Learning.Then he highlighted about how to create interest among the students.He started his knowledge with participants using PowerPoint presentation and various techniques like give examples etc.Also the participants were informed that how to manage classroom.Dr.S.Maragathavalli,Associate Professor of mathematics delivered vote of thanks.

In the afternoon, after the welcome address by Dr.S.Maragathavalli,Associate professor of Mathematics, an informative lecture on **Random Process** was delivered by Dr.K.

Ramakrishnan, Associate Professor Department of Mathematics, Sri Krishna College of Engineering and Technology, Coimbatore. In his lecture, he highlighted the concepts and new research topics in which random processes were used. The session ended with a vote of thanks by Dr. V. Dhanya, Assistant professor of Mathematics.

8<sup>th</sup> July 2015 (third Day)

In the morning session Dr. K. Sumathi, Associate Professor of Mathematics PSGR Krishnammal College, Coimbatore, has focused on **Free and Open Software Sources**. She explained that Mathematics is the backbone of modelling physics Phenomena and indicated the uncovered area of research. She inspired the participants to work on real time projects.

Dr. T. Palanisamy, Associate Professor of Mathematics, Amrita University, Coimbatore has discussed on **Linear Algebra and Fourier Analysis** in the afternoon. In this session, participants got the knowledge about the basic concepts and the applications in various fields.

9<sup>th</sup> July 2015 (Fourth Day)

In the forenoon session, Dr. R. Balasubramanian, Dean Basic Sciences started with a training to faculties so that they can design the lectures in such a way that the students are “automatically pulled” and attracted towards the lectures, ultimately improving concentration and hence the result of the students. Then he gave a useful lecture on **Beta, Gamma and Hyperbolic functions**. The participants got an introduction to these topics and relationships among them.

Dr. S. Maragathavalli, Associate Professor of Mathematics has discussed on Topology. She started with the basic concepts in this subject and discussed the concepts one by one and ended with the recent research developments in this particular field. She motivated the faculty to do research so that they can enhance their knowledge. She shared important aspects to be considered while doing research in the subject.

10<sup>th</sup> July 2015

In the forenoon session, Dr. N. Nagaveni, Associate professor of mathematics, Coimbatore Institute of Technology, Coimbatore has delivered a lecture on **Numerical Aptitude**. She started with the basic concepts and explained the applications of the particular field. She gave some memory aids to remember the formulae. The session ended with the Vote of thanks by Ms. M. Deivanayagi, Assistant Prof. of Mathematics.

In the afternoon session, Ms. M. Deivanayagi, Assistant Prof. of Mathematics has focused on **Art of teaching**. She started his knowledge with participants using PowerPoint presentation and various techniques like give examples etc. Also the participants were informed that how to manage classroom.

11<sup>th</sup> July 2015

In the forenoon session, Dr. N. Murugesan, Assistant professor in Mathematics, Govt. Arts college, Coimbatore has delivered a lecture on **Discrete Mathematics**. He shared important aspects to be considered while doing research in the subject.

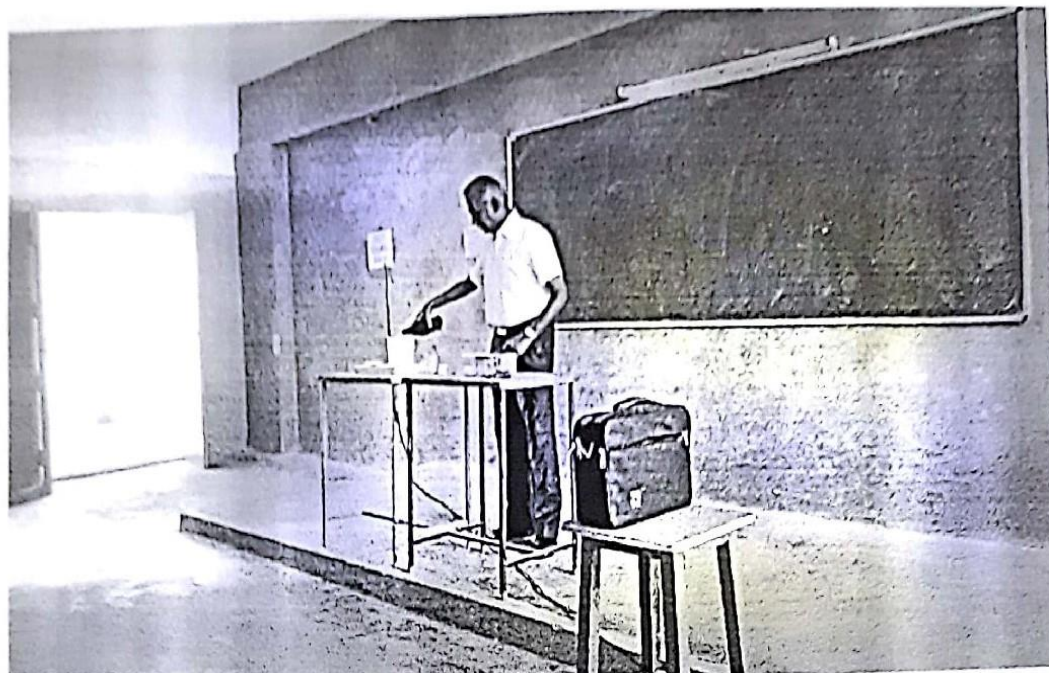
In the afternoon session, Dr. R. Balasubramanian, Dean Basic Sciences started with a training to faculties so that they can design the lectures in such a way that the students are “automatically pulled” and attracted towards the lectures, ultimately improving concentration and hence the result of the students. Then he gave a useful lecture on **Workshop on Engineering Mathematics II**. The participants got an introduction to these topics and relationships among them.

13<sup>th</sup> July 2015

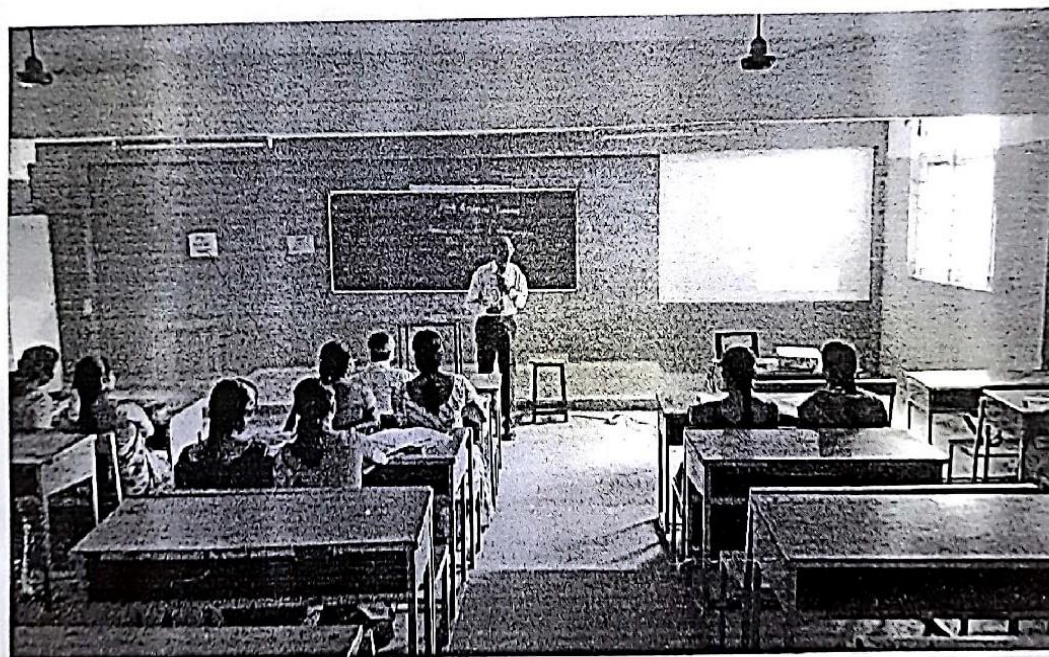
In the forenoon session, Dr. T. Palanisamy, Associate Professor of Mathematics, Amrita University, Coimbatore has discussed on **Linear Algebra**. In this session, participants got the knowledge about the basic concepts and the applications in various fields.



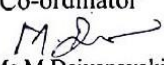
In the afternoon session, Dr. S. Marshal Anthoni, Associate Professor of Mathematics, Anna University, Coimbatore has discussed on **Engineering Mathematics**. In this session, participants got the knowledge about the basic concepts and the applications in various fields. The session ended with the Vote of thanks by Ms. M. Deivanayaki, Assistant Prof. of Mathematics.



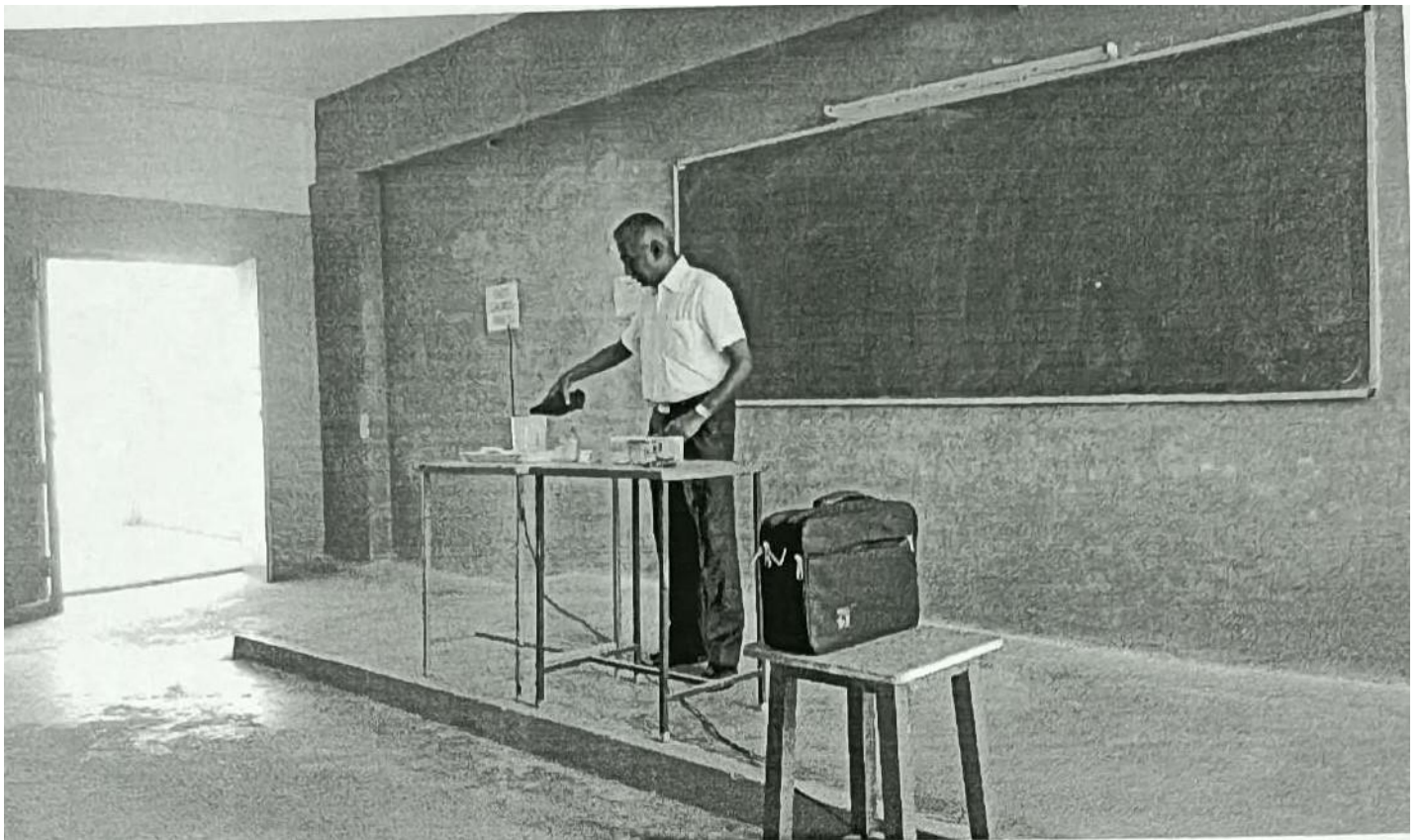
Dr. R. Arumuganathan, Professor and Head, Department of Mathematics, PSG College of Technology, Coimbatore has delivered interactive lecture on Teaching methodologies in Mathematics on 7<sup>th</sup> July 2015



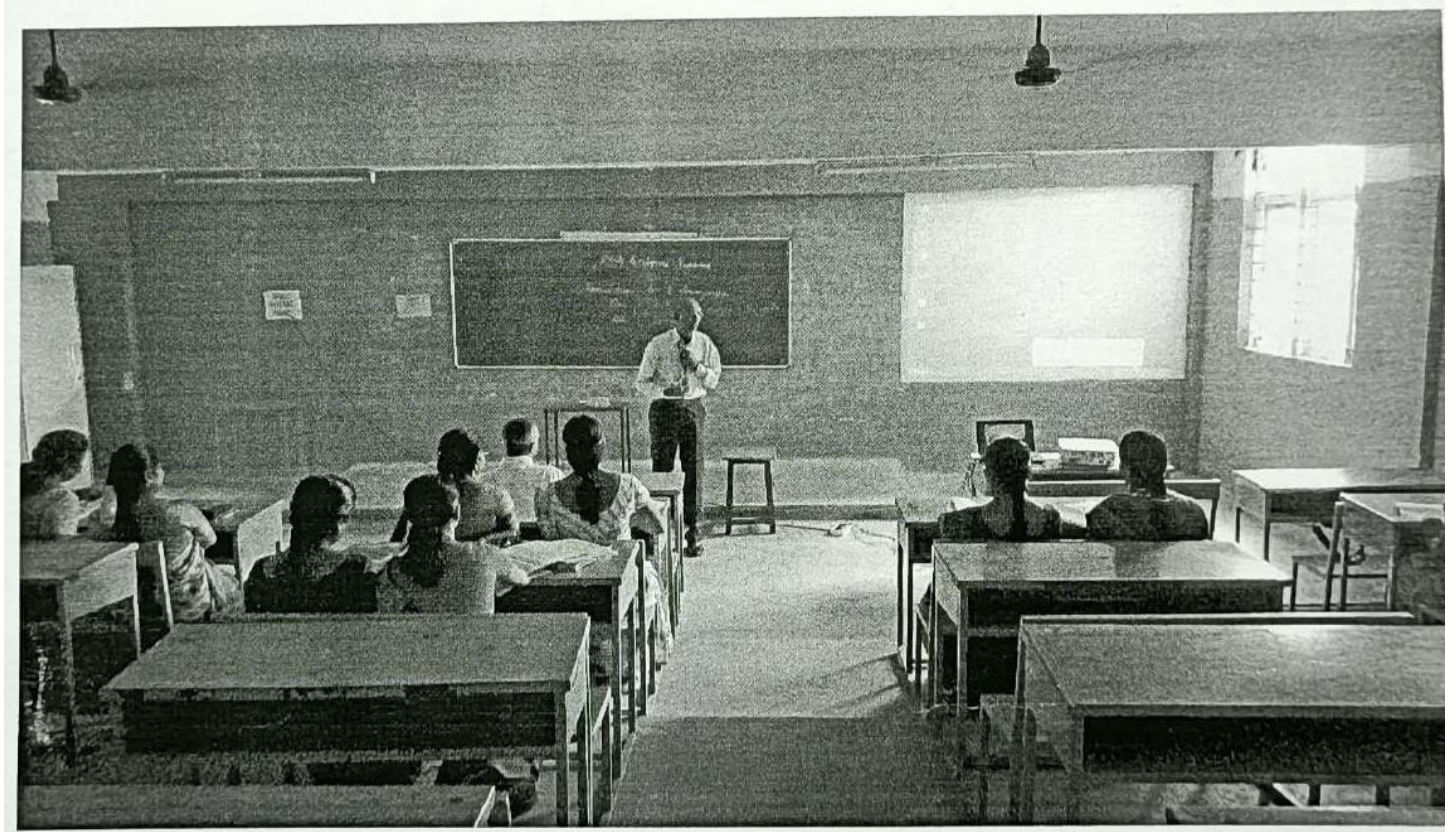
Dr. R. Balasubramanian, Dean Basic Sciences, Karpagam University, Coimbatore has delivered interactive lecture on 9<sup>th</sup> July 2015

Co-ordinator  
  
(Ms. M. Deivanayaki)





Dr.R.Arumuganathan, Professor and Head, Department of Mathematics, PSG College of Technology, Coimbatore has delivered interactive lecture on Teaching methodologies in Mathematics on 7<sup>th</sup> July 2015



Dr.R.Balasubramanian, Dean Basic Sciences, Karpagam University, Coimbatore has delivered interactive lecture on 9<sup>th</sup> July 2015



## Faculty of Engineering

A Joint Programme of Centre for Human Resource Development

and

Department of Science and Humanities – Mathematics Division

Professional Development Programme on “Recent Trend in Engineering Mathematics

### List of Participants

S.NO	NAME OF THE FACULTY	DESIGNATION
1.	Dr.P.T.Hemamalini	Professor & Head
2.	Dr. S. Maragathavalli	Associate Professor
3.	M.Deivanayaki	Lecturer
4.	P.Karpagam	Lecturer
5.	Dr. M. Rajeswari	Lecturer
6.	M.D. Chitra	Lecturer
7.	S.D. Sudha	Lecturer
8.	M. Kokilamani	Lecturer
9.	B. Deepa	Assistant Professor
10.	S. Ashok Kumar	Lecturer
11.	B. Arun	Assistant Professor
12.	Dr. V. Dhanya	Assistant Professor
13.	V. Vijayalakshmi	Assistant Professor
14.	K. Suresh Kumar	Assistant Professor
15.	Dr. A. Arunkumar	Assistant Professor