



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 | Email : info@kahedu.edu.in

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Prof.Dr.M. Palaniswamy, M.Sc., M.Phil., PhD.

Registrar

Ref.KAHE/R/NAAC/DVV/2021/

03.05.2021

Certificate of Authentication

This is to certify that the following documents related to the Metric ID. 6.3.3 (46 pages) are duly verified and authenticated by the Registrar, Karpagam Academy of Higher Education for DVV purpose.



[Signature]
03/05/2021
Registrar

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.

6.3.3. The Brochures, Reports with Photographs and List of Participants of the following Professional Development/ Administrative Training Programs for the year 2017-2018 as follows

S. No.	Title of the Professional Development/Administrative Training Programmes
1	Professional Development Programme on Crystal Growth Techniques and Non Linear Optics
2	Short Term Course on Drug, Disease and Therapy: A Recent Advancement
3	Short Term Course on Drug Design
4	Professional Development Programme on Emerging Trends in Civil Engineering
5	Short Term Training Program on Non Destructive Testing
6	Professional Development Program on the Use of Contemporary Tools on Financial Research
7	Short Term Course on Mobile Application Development Using Kotlin

ORGANIZING COMMITTEE

Chief Patron

Dr. S. Subramanian

Vice Chancellor

Karpagam Academy of Higher Education

Patron

Dr. G. Sekar

Registrar

Karpagam Academy of Higher Education

Convenors

Dr. R. Balasubramanian

Dean

Faculty of Engineering

Karpagam Academy of Higher Education

Dr. P.T Hemamalini

Head, Department of Science and Humanities

Faculty of Engineering

Karpagam Academy of Higher Education

Organizing Secretary

Dr. G. Gomathi

Department of Science and Humanities

Faculty of Engineering

Karpagam Academy of Higher Education

Coimbatore-641 021, Tamil Nadu, India

Mail: mathematicsku@gmail.com

Organizing Team Members

Ms. D. Shanmugapriya ,

Assistant Professor, KAHE , FoE

Ms. S. Hemalatha

Assistant Professor, KAHE , FoE

RESOURCE PERSONSWITH TOPICS

Day 1 :Fascinating Crystals

Dr. K. Srinivasan

Professor and Head

Department of Physics

Bharathiar University, Coimbatore

Day 2 :Introduction to Quantum Physics

Dr. L. Senthilkumar

Assistant Professor

Department of Physics

Bharathiar University, Coimbatore

Day 3 :Photovoltaic devices

Dr. V. Sasirekha

Assistant Professor

Department of Physics

Avinashilingam University, Coimbatore

Day 4 :Various crystal growth techniques

Dr. K. Srinivasan

Professor and Head

Department of Physics

Bharathiar University, Coimbatore

Day 5 :Characterization techniques involved in Crystals

Dr. V. Sasirekha

Assistant Professor

Department of Physics

Avinashilingam University, Coimbatore

Day 6 :Introduction to NLO

Dr. K. Srinivasan

Professor and Head

Department of Physics

Bharathiar University, Coimbatore

Day 7: Quantum computations

Dr. L. Senthilkumar

Assistant Professor

Department of Physics

Bharathiar University, Coimbatore

KARPAGAM ACADEMY OF HIGHER EDUCATION

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A Joint Programme of

Centre for Human Resource Development

And

Department of Science and Humanities

Faculty of Engineering

Professional Development Program

On

Crystal growth techniques &Non linear optics

6th- 13thNov, 2017

Organized By

Department of Science and Humanities

Karpagam Academy of Higher Education

Coimbatore-641 021

Tamil Nadu, India

KARPAGAM ACADEMY OF HIGHER EDUCATION

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

COIMBATORE-641 021

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

**Report on Professional Development Program
on**

Crystal growth techniques and Non linear optics

The Professional Development Program on Crystal growth techniques and Non linear optics started with the prayer song, followed by the welcome address by Dr. P. T. Hemamalini, Head, Department of Science and Humanities. Honorable vice Chancellor delivered the presidential address. The resource person Dr. K. Srinivasan delivered the keynotes address followed by the presentation titled Fascinating Crystals. The interface between a crystal and its vapor can be molecularly sharp at temperatures well below the melting point. An ideal crystalline surface grows by the spreading of single layers, or equivalently, by the lateral advance of the growth steps bounding the layers. Following him Dr. L. Senthilkumar gave a lecture on Introduction to Quantum Physics.



Dr. L. SenthilKumar delivered a lecture on 07.11.2017

Continuing Dr. V. Sasirekha handled the session on Photovoltaic devices. Following next day Various crystal growth techniques was presented by Dr. K. Srinivasan. On Day 5 Characterization techniques involved in Crystals was covered by Dr. V. Sasirekha from Avinashilingam University. After

that an Introduction to NLO was explained by Dr. K. Srinivasan. Finally quantum computation was clearly explained by Dr. L. Senthilkumar from Bharathiar University. The valedictory function was presided by Dr. P. T. Hemamalini, Head, Department of Science and Humanities.



Dr. L.Senthilkumar , Assistant Professor gave a lecture on 07.11.17



Dr. L.Senthilkumar , Assistant Professor gave a lecture on 13.11.17



Dr. M. Deivanayagi , Assistant Professor delivered vote of thanks on 13.11.17



KARPAGAM ACADEMY OF HIGHER EDUCATION
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COIMBATORE-641 021

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

Professional Development Program on Crystal growth techniques and Non linear optics

List of Participants

S.No	NAME	DESIGNATION	DEPARTMENT
1	G. Gomathi	Assistant Professor	S&H
2	D. Shanmugapriya	Assistant Professor	S&H
3	Dr. A. Kathiresan	Assistant Professor	S&H
4	Dr. K. Shankar	Assistant Professor	S&H
5	S. Hemalatha	Assistant Professor	S&H
6	Dr. P. Muthukrishnan	Assistant Professor	S&H
7	Dr. A. Parthiban	Assistant Professor	S&H

ORGANIZING COMMITTEE

Chief Patron

Dr. R. VASANTHAKUMAR

President, Karpagam Educational Institutions

Patrons

Shri. K. MURUGAIAH

Chief Executive Officer, Karpagam Educational Institutions

Shri. V. KRISHNAKUMAR

Chancellor, Karpagam Academy of Higher Education

Dr. S. SUDALAIMUTHU

Vice Chancellor, Karpagam Academy of Higher Education

Dr. R. SUNDARARAJAN

Registrar, Karpagam Academy of Higher Education

Convenor

Dr.R.SUNDARAGANAPATHY, Dean,

Faculty of Pharmacy, Karpagam Academy of Higher Education.

Organizing Secretary

Mr.M.KANNAN, Associate Professor

Organizing Team Members:

Mrs.G.PRAVEENA Assistant Professor

MS. K.GAYATHRI Assistant Professor

Ms. N. M. GAYATHIRI Assistant Professor

Mr. A. LALITH MUKESH Assistant Professor

MR. V. SHIVA KUMAR Assistant Professor

PROGRAMME SCHEDULE

Inauguration 9.30 am - 10.30 am

DAY I

Session I :11.00 am - 04.30 pm

Topic : **"A Recent Advancement in Cancer Therapy"**

Speaker: Mr VENKATESH

Associate Professor, Dept.of Pharmacology
PSG College of Pharmacy,
Coimbatore.

DAY II

Session II 10.00 Am - 4.30 pm

Topic : **"New treatment for Coronary artery Disease"**

Speaker: DR. ASHOK KUMAR,

Professor and HOD, Dept.of Pharmacology
College of Pharmacy, SRIPMS, Coimbatore.

Session I10.00 Am - 4.30 pm

Topic : **"Alcohol intake and Health"**

Speaker: **Dr.R. PRAKASH**, Professor,Dept.of Pharmacology
Surya College of Pharmacy, Villupuram.

DAY IV

Session I 10.00 Am - 4.30 pm

Topic : **"Risk Factors of atherosclerosis"**

Speaker: Mr RAGAVAN Assistant Professor,
Department of Pharmacology,
PPG College of Pharmacy, Coimbatore.

DAY V

Session I 10.00 Am - 4.30 pm

Topic : **"Hormone Replacement Therapy"**

Speaker: Dr B RAJUINIKANTH, Associate Professor,
Department of Pharmacology,
Grace College of Pharmacy, Palakad.

DAY VI

Session I 10.00 Am - 4.30 pm

Topic: **"Advancement in the Drug Disease Therapy"**

Speaker: Dr .C DHANDAPANI, Professor,
Department of Pharmacy Practice,
KMCH College of Pharmacy, Coimbatore.

DAY VII

Session I 10.00 Am - 4.30 pm

Topic : **" Recent advances in Parkinson's Diseases"**

Speaker: Mr.VINOD THOMAS Professor,
Department of Pharmacy Practice
College of Pharmacy, SRIPMS, Coimbatore

SHORT TERM COURSE

ON

"DRUG DISEASE THERAPY: A RECENT ADVANCEMENT"

25-10-2017 to 02-11-2017

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



Enable | Enlighten | Enrich
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FACULTY OF PHARMACY
KARPAGAM ACADEMY OF HIGHER EDUCATION
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Coimbatore –641021.

REPORT

SHORT TERM COURSE

On

“DRUG DISEASE THERAPY: A RECENT ADVANCEMENT”

25-10-2017 to 02-11-2017

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

The short term course on the topic " **“DRUG DISEASE THERAPY: A RECENT ADVANCEMENT”** held at Faculty of Pharmacy, Karpagam Academy of Higher Education on From 25-10-2017 to 02-11-2017.

This short term course was organized with the aim for providing developing quality drug disease therapy: Current issues and trends and also a recent advancement.

The Inauguration of the short term course was divinely started with the prayer song and lighting the kuthuvilakku. The welcome address was given by Mr.M.KANNAN, Assistant Professor, FOP, KAHE he welcomed all the dignitaries to the Dias and Inaugural address was delivered by Dr.R SUNDARAGANAPATHY, Professor, FOP, KAHE.

The Dr.S SUDALAIMUTHU , Vice Chancellor, Karpagam University delivered the keynote address on current trends on Pharmacy profession, Job opportunities of Pharmacist, Recognition of Pharmacist He

quoted that Developing quality monographs for pharmacopoeia for herbs and herbal products "will help them more in the future".

On first day the session was delivered by Mr.M VENKATESH, Associate Professor, Associate Professor PSG College of Pharmacy, Coimbatore has spoken about the topic “**A Recent Advancement in Cancer Therapy** ". On the second day sessions DR. ASHOK KUMAR, Professor and HOD, College of Pharmacy, SRIPMS, Coimbatore has spoken related to the topic “**New treatment for Coronary artery Disease**”.

On third day of session delivered by **Dr.R. PRAKASH**, Professor, Department of Pharmacology, Surya College of Pharmacy, Villupuram He delivered his session on “**Alcohol intake and Health**”. On fourth day of session Mr. RAGAVAN, Assistant Professor, Department of Pharmacology, PPG College of Pharmacy, Coimbatore, gave the topic on “**Risk Factors of atherosclerosis**”.

On fifth day of session was delivered by **Dr B RAJUINIKANTH**, Associate Professor, Department of Pharmacology, Grace College of Pharmacy, Palakkad ,has spoken on the topic" **Hormone Replacement Therapy**”

“On sixth day: Dr .C DHANDAPANI, Professor, Department of Pharmacy Practice, KMCH College of Pharmacy, Coimbatore “**Advancement in the Drug Disease Therapy**”.

On seventh day Mr.VINOD THOMAS, Professor, Department of Pharmacy practice, College of Pharmacy, SRIPMS, Coimbatore *on* “**Recent advances in Parkinson’s Diseases**”. The all sessions were more knowledgeable and finally the day ended with vote of thanks.

Honouring the chief guest in the inaugural session



Session delivered
by Dr.R.Prakash



*Session delivered by Mr.Vinoth Thomas and
feed back session*

FACULTY OF PHARMACY
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SHORT TERM COURSE
ON
“DRUG DISEASE THERAPY: A RECENT ADVANCEMENT”

25-10-2017 to 02-11-2017

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

PARTICIPANTS ATTENDANCE
Day I

S.NO	NAME OF THE PARTICIPANTS	DESIGNATION
1	Dr. R. Sundara Ganapathy	Dean
2	G. Praveena	Professor
3	K. Gayathri	Professor
4	M. Kannan	Associate Professor
5	N. M. Gayathiri	Assistant Professor
6	A. Lalith Mukesh	Associate Professor
7	V. Shiva Kumar	Assistant Professor

SHORT TERM COURSE
ON
“DRUG DISEASE THERAPY: A RECENT ADVANCEMENT”

25-10-2017 to 02-11-2017

PARTICIPANTS ATTENDANCE

Day II

S.NO	NAME OF THE PARTICIPANTS	DESIGNATION
1	Dr. R. Sundara Ganapathy	Dean
2	G. Praveena	Professor
3	K. Gayathri	Professor
4	M. Kannan	Associate Professor
5	N. M. Gayathiri	Assistant Professor
6	A. Lalith Mukesh	Associate Professor
7	V. Shiva Kumar	Assistant Professor

SHORT TERM COURSE
ON
“DRUG DISEASE THERAPY: A RECENT ADVANCEMENT”

25-10-2017 to 02-11-2017

PARTICIPANTS ATTENDANCE

Day III

S.NO	NAME OF THE PARTICIPANTS	DESIGNATION
1	Dr. R. Sundara Ganapathy	Dean
2	G. Praveena	Professor
3	K. Gayathri	Professor
4	M. Kannan	Associate Professor
5	N. M. Gayathiri	Assistant Professor
6	A. Lalith Mukesh	Associate Professor
7	V. Shiva Kumar	Assistant Professor

SHORT TERM COURSE
ON
“DRUG DISEASE THERAPY: A RECENT ADVANCEMENT”

25-10-2017 to 02-11-2017

PARTICIPANTS ATTENDANCE

Day IV

S.NO	NAME OF THE PARTICIPANTS	DESIGNATION
1	Dr. R. Sundara Ganapathy	Dean
2	G. Praveena	Professor
3	K. Gayathri	Professor
4	M. Kannan	Associate Professor
5	N. M. Gayathiri	Assistant Professor
6	A. Lalith Mukesh	Associate Professor
7	V. Shiva Kumar	Assistant Professor

SHORT TERM COURSE
ON
“DRUG DISEASE THERAPY: A RECENT ADVANCEMENT”

25-10-2017 to 02-11-2017

PARTICIPANTS ATTENDANCE

Day V

S.NO	NAME OF THE PARTICIPANTS	DESIGNATION
1	Dr. R. Sundara Ganapathy	Dean
2	G. Praveena	Professor
3	K. Gayathri	Professor
4	M. Kannan	Associate Professor
5	N. M. Gayathiri	Assistant Professor
6	A. Lalith Mukesh	Associate Professor
7	V. Shiva Kumar	Assistant Professor

SHORT TERM COURSE

ON

“DRUG DISEASE THERAPY: A RECENT ADVANCEMENT”

25-10-2017 to 02-11-2017

PARTICIPANTS ATTANDANCE

Day VI

S.NO	NAME OF THE PARTICIPANTS	DESIGNATION
1	Dr. R. Sundara Ganapathy	Dean
2	G. Praveena	Professor
3	K. Gayathri	Professor
4	M. Kannan	Associate Professor
5	N. M. Gayathiri	Assistant Professor
6	A. Lalith Mukesh	Associate Professor
7	V. Shiva Kumar	Assistant Professor

SHORT TERM COURSE

ON

“DRUG DISEASE THERAPY: A RECENT ADVANCEMENT”

25-10-2017 to 02-11-2017

PARTICIPANTS ATTANDANCE

Day VII

S.NO	NAME OF THE PARTICIPANTS	DESIGNATION
1	Dr. R. Sundara Ganapathy	Dean
2	G. Praveena	Professor
3	K. Gayathri	Professor
4	M. Kannan	Associate Professor
5	N. M. Gayathiri	Assistant Professor
6	A. Lalith Mukesh	Associate Professor
7	V. Shiva Kumar	Assistant Professor

ORGANIZING COMMITTEE

Chief Patron:

Dr. S. SUDALIMUTHU,

Vice Chancellor,

Karpagam Academy of Higher
Education, Coimbatore

Patron:

DR. SUNDARARAJAN,

Registrar,

Karpagam Academy of Higher
Education, Coimbatore

Dean:

DR. M. PALANISWAMY,

Karpagam Academy of Higher
Education, Coimbatore

CONVENOR

Dr. K.DEVAKI,

Professor, Head of the Department,

Karpagam Academy of Higher
Education, Coimbatore

ORGANIZING SECRETARY

Dr. S. Rajamanikandan

For contact us:

Department of Biochemistry,

E.mail:maniinfor@gmail.com

PROGRAM SCHEDULE:

Inauguration 9.30 a.m -10.30 a.m

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

**Topic : Computer Aided Drug
Design**

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

Topic : Tools of Bioinformatics

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

**Topic : Genomics and Genetic
modified drugs**

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

Topic: Computational Biology

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

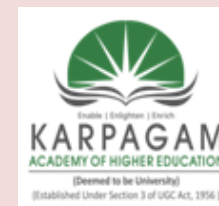
Topic : Toxicology in Drugs

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

Topic : Clinical trials in drug

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

Topic : Drug Design techniques



A JOINT PROGRAMME OF CENTRE FOR HUMAN RESOURCE DEVELOPMENT

AND

DEPARTMENT OF BIOCHEMISTRY

Short Term Course On "Drug Design "

23.10.2017 to 30.10.2017

Organized by

DEPARTMENT OF BIOCHEMISTRY

Venue: Bharathi Hall

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

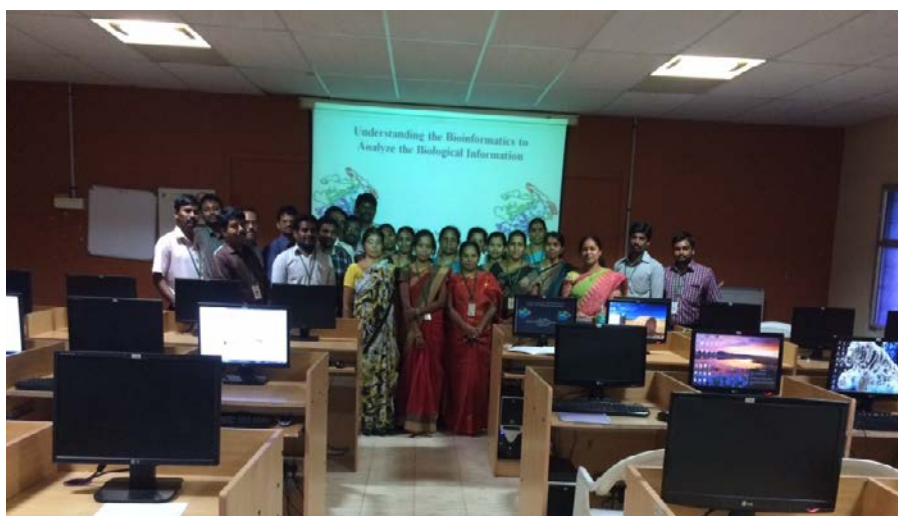
Date: 30.10.2017

CONSOLIDATED REPORT

Biochemistry department has conducted Short term course on “Drug Design” on 23.10.2017 to 30.10.2017 at 9 A.M in the Bharathi Hall. Totally nine faculties were attended the program.

The following key points were discussed with the resource person

1. To discussed about the binding of legends and receptor.
2. Also, discussed about the maintaining the bioinformatics software and management system.
3. They explained about the less flexibility and more limitation.
4. Finally, they encouraged the faculties to take it is a user friendly of docking software.



Dr. Anitha. J has given the lecture on drug design

KARPAGAM ACADEMY OF HIGHER EDUCATION

Department of Biochemistry

Short Term Course On “Drug Design”

List of Participants:

NO.	NAME OF THE FACULTY	DESIGNATION
1	Dr. K.Devaki	Associate Professor
2	Dr.K.Poornima	Associate Professor
3	Dr. M. Sridhar Muthusami	Assistant Professor
4	Dr. L. Hariprasath	Assistant Professor
5	S. Rajamanikandan	Assistant Professor
6	M. Manimaran	Assistant Professor

ADVISORY COMMITTEE

CHIEF PATRON

Dr.S.SUDALAIMUTHU

Vice-Chancellor

PATRON

Dr. G.Sekar,

Registrar, Karpagam Academy of Higher Education

Dr.Lakshmanan,

Dean, Faculty of Engineering, KAHE

CONVENOR

Dr.N.Balasundaram

Professor & Head

Department of Civil Engineering

Dr.M.Natarajan

Professor

Department of Civil Engineering

ORGANIZING SECRETARY

Mr.V.Johnpaul

Assistant Professor,

Civil Engineering Department

COMMITTEE MEMBERS

Dr.Pa.Ganeshwaran, Professor/Civil

Dr.A.Kathiresan, Professor/Civil

Dr.G.R.Vijayshankar, Asso.Prof/Civil

Mr.V.Venugopalan, AP/Civil

Mr.C.Raja Kumar, AP/Civil

Mr. J.Jenin Rajasingh, AP/Civil

Mrs.Vidhya M, AP/Civil

Ms.S.Gobhiga, AP/Civil

Ms.B.Preethiwini, AP/Civil

Ms.S.M.Leela Bharathi, AP/Civil

Mr.Ramesh D, AP/Civil

Mr. Velmurugan S. AP/Civil

RESOURCE PERSONS

- **Dr.V.G.Srisanthi**, Associate Professor, CIT, Coimbatore.
- **Mr.P.Anjesh**, Professor, PSG College of Technology Coimbatore.
- **Mr. M. Anandapadmanabhan**, Civil Engineer, ManikaSundaram Associates, Coimbatore
- **Mr.B.Srinivasan**, Project Manager, Sreevatsa Construction, Coimbatore
- **Dr. E.D.Vishwanathan**, Consulting Engineer, Salem
- **Dr. N. Kumar**, Executive Engineer, Horticulture Department, Ooty
- **Dr.S.Kothandaraman**, Pondicherry Engineering College Pondicherry.
- **Dr.S.Chandran**, Professor, Thiagarajar College of Engineering, Madurai

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 Emerging Trends in Civil Engineering

TOPICS TO BE COVERED

Day 1: Virtual Reality (VR) and Augmented Reality (AR)

Day 2: Building Information Modeling (BIM)

Day 3: Demand for Sustainable Designs

Day 4: Advanced Building Materials

Day 5: Enhanced Application Integration

Day 6: Internet of Things (IoT)

Day 7: Prefabrication

Day 8: Advanced uses for GPS



**A Joint Programme of
Centre for Human Resource Development
and
Department of Civil Engineering
Professional Development Program
On
Emerging Trends in Civil Engineering**

**from
23.10.17 to 30.10.17**

**Organized by
Department of Civil Engineering**

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**A JOINT PROGRAMME OF
CENTRE FOR HUMAN RESOURCE DEVELOPMENT
AND
DEPARTMENT OF CIVIL ENGINEERING**
**Professional Development Program
On
Emerging Trends in Civil Engineering**

REPORT

From 23.10.17 to 30.10.17

Day 1: Virtual Reality (VR) and Augmented Reality (AR)

Topic: Virtual Reality (VR) and Augmented Reality (AR)

Expert Name: Dr.V.G.Srisanthi, Associate Professor,CIT, Coimbatore.

Date: 23.10.17

Venue: MBA Seminar Hall

SUMMARY:

Virtual Reality (VR) and Augmented Reality (AR) are the newest trends in civil engineering to watch out for in 2018. Although the technology itself isn't new, its applicability vis-a-vis civil and construction industry is gaining immense popularity. Augmented Reality on the other hand interweaves real-world and graphics to give field personnel and civil engineers useful information such as health and safety warnings, productivity statistics, design specifications, etc., making their job on field easy.

Day 2: Building Information Modeling (BIM)

Topic: Building Information Modeling (BIM)

Expert Name: Mr.P.Anjesh, Professor,PSG College of Technology Coimbatore.

Date: 24.10.17

Venue: MBA Seminar Hall

SUMMARY:

More civil engineering projects this year are likely to see large-scale utilization of the Cloud technology and Big Data. Also, latest in the list of innovation is the Building Information Modeling (BIM). Engineers can now create virtual models of their designs through intelligent 3D modeling process. This futuristic technology can speed up the time taken to turn building drawings into reality. Construction of bridges,

electricity networks, and superstructures can gain momentum with workable virtual models of the designs.

Day 3: Demand for Sustainable Designs

Topic: Demand for Sustainable Designs

Expert Name: Mr. M. Anandapadmanabhan, Civil Engineer, Manika Sundaram Associates, Coimbatore

Date: 25.10.17

Venue: MBA Seminar Hall

SUMMARY:

Sustainable design is the most significant civil engineering trends in 2018. It is a movement that enjoys much support from global organizations and even the government. The demand for smart materials, intelligent electrical grids, smart buildings with embedded sensors, and other revolutionary technologies is giving civil engineers the push to innovate sustainable designs that are forward-looking. One of the key areas of focus is zero-energy housing. Insulating homes with double skin facade and integrating PV panels that facilitate better utilization of captured energy. As space is a major concern with the explosive population growth, smart use of space in housing which can ease the congestion and pave way for sustainable urban development is also a key trend that will find wider acceptance this year and the years ahead.

Day 4: Advanced Building Materials

Topic: Advanced Building Materials

Expert Name: Mr. B. Srinivasan, Project Manager, Sreevatsa Construction, Coimbatore

Date: 26.10.17

Venue: MBA Seminar Hall

SUMMARY:

Advanced materials with shifting properties that adapt to external conditions are being introduced into the civil engineering industry. From cement composite, advanced steel, and self-healing concrete, to fiber-reinforced polymer composites, technology is transforming the materials being used in construction. In 2017, Pavegen, a UK-based technology company outfitted sidewalk in London with innovative technology that harvests kinetic energy from pedestrian movement and turns it into usable energy. This project highlights the need for smart materials to trap and utilize energy which is otherwise wasted. Similarly, 4D-printed structures that transform according to the shifting environmental conditions are the latest fad in civil engineering because they prolong the life of constructions. Buildings in major cities around the world are coated with photocatalytic titanium dioxide to combat pollutants in the air. In the long-term, it will mitigate human-induced environmental hazards. The civil engineering design of the future is all about advanced materials that are largely focused on reducing carbon footprints and harnessing the energy that our planet has to offer.

Day 5: Enhanced Application Integration

Topic: Enhanced Application Integration

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

Date: 27.10.17

Venue: MBA Seminar Hall

SUMMARY:

Civil engineering in 2018 is all about seamless application integration. Many modern civil and construction technologies are based on open source platform that provides plasticity by incorporating other commercial application's interface to the platform. The machine productivity data is constantly aggregated by maps, apps, and other timesheet applications. The machine control systems powered by open platform will act as the centralized information center where machines and data mesh with the human operators.

Day 6: Internet of Things (IoT)

Topic: Enhanced Application Integration

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

Date: 28.10.17

Venue: MBA Seminar Hall

SUMMARY:

Internet of Things (IoT) is a megatrend which is quickly reshaping the way in which civil engineering projects are implemented. In a nutshell, IoT leverages sensors and network connectivity to allow communication between the interconnected sensors. The sheer volume of data being exchanged is collected and analyzed to enhance future decisions. IoT will play a leading role in monitoring the health of urban structures by pooling big data from the building management system. It will be capable of recording data such as variations in concrete humidity, vibrations, chloride content, and even abnormal deformations. The lengthy list of things IoT can achieve is gradually growing thanks to cheap wireless sensors. It is one of the latest upcoming trends that will give rise to smart cities and improve the quality of life of its inhabitants.

Day 7: Prefabrication

Topic: Prefabrication

Expert Name: Dr.S.Kothandaraman, Pondicherry Engineering College Pondicherry.

Date: 29.10.17

Venue: MBA Seminar Hall

SUMMARY:

Prefabrication is the practice of assembling components of a structure in a factory or other manufacturing site, and transporting complete assemblies or sub-assemblies to the construction site where the structure is to be located. The term is used to distinguish this process from the more conventional construction practice of transporting the basic materials to the construction site where all assembly is carried out. The term prefabrication also applies to the manufacturing of things other than structures at a fixed site. It is frequently used when fabrication of a section of a machine or any movable structure is shifted from the main manufacturing site to another location, and the section is supplied assembled and ready to fit. It is not generally used to refer to electrical or electronic components of a machine, or mechanical parts such as pumps, gearboxes and compressors which are usually supplied as separate items, but to sections of the body of the machine which in the past were fabricated with the whole machine. Prefabricated parts of the body of the machine may be called 'sub-assemblies' to distinguish them from the other components.

Day 8: Advanced uses for GPS

Topic: Advanced uses for GPS

Expert Name: Dr.S.Chandran, Professor, Thiagarajar College of Engineering, Madurai

Date: 30.10.17

Venue:MBA Seminar Hall

SUMMARY:

Construction World says while GPS tracking solutions aren't anything new, they're now being used in more creative and resourceful ways including, Surveying has been dramatically improved because crews no longer need to use traditional surveying equipment. Data for prospective project sites can be quickly and accurately collected. Project managers are also using GPS in fleet management. Today, each of their vehicles is equipped with a device that is trackable via both computer and smartphones. This lets everyone know where vehicles always are. It's easier to find lost or stolen equipment because managers can now generate maps that pinpoint the exact location of any of these items.



Professional Development Program on Emerging Trends in Civil Engineering - 23.10.17 to 30.10.17



**Virtual Reality (VR) and Augmented Reality (AR) conducted by Dr.S.Kothandaraman on
23.10.2017**

KARPAGAM ACADEMY OF HIGHER EDUCATION
(Deemed to be University Established Under Section 3 of UGC Act 1956)
Pollachi Main Road, Eachanari Post, Coimbatore, Tamilnadu 641021.
FACULTY OF ENGINEERING
DEPARTMENT OF CIVIL ENGINEERING

Professional Development Program

On

Emerging Trends in Civil Engineering

List of Participants

23.10.17 to 30.10.17

S.No	Faculty Name	Designation
1.	Dr.Natarajan M	Professor
2.	Dr.N.Balasundram	Professor
3.	Dr.Pa.Ganeshwaran	Professor
4.	Dr.A.Kathiresan	Professor
5.	Dr.G.R.Vijayshankar	Associate Professor
6.	Mr.V.Venugopalan	Assistant Professor
7.	Mr.C.Raja Kumar	Assistant Professor
8.	Mr. J.Jenin Rajasingh	Assistant Professor
9.	Mrs.Vidhya M	assistant professor
10.	Ms.S.Gobhiga	Assistant Professor
11.	Ms.B.Preethiwini	Assistant Professor
12.	Ms.S.M.Leela Bharathi	Assistant Professor
13.	Mr.V.John Paul	Assistant Professor
14.	Mr.Ramesh D	Assistant Professor
15.	Er. Velmurugan S	Assistant professor
16.	Ms.M.Nandhini Chella Kavitha	Assistant professor
17.	Ms.Nisha Devi A	Assistant professor
18.	Ms. Sindhu. R	Assistant professor

ORGANIZING COMMITTEE

Chief Patron

Dr.S.Sudalaimuthu

Vice Chancellor
KAHE

Dr. R. Sundararajan

Registrar
KAHE

Patron

Dr. D. Lakshmanan

Dean / FOE
KAHE

Convenor

Dr.P.Shanmugha Sundaram

Professor & Head
Department of Mechanical Engg.,
KAHE

Organizing Secretaries

Dr.P.M.Gopal, AP/ Mech

Mr.R.Suresh Balaji, AP/ Mech

Program Schedule:

Day 1: Basic concepts and Visual Inspection

Day 2: Liquid Penetrant Inspection

Day 3: Magnetic Particle Inspection

Day 4: Ultrasonic Testing

Day 5: Radiography Testing

Day 6: Eddy Current Testing

Day 7: Challenges and Opportunities in
Industry

KARPAGAM ACADEMY OF HIGHER EDUCATION



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

**Short Term Training Program
on**

“Non Destructive Testing”

23rd – 30th October 2017

**Venue: Seminar Hall – Mechanical
Engineering**

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

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

**Report on Short Term Training program on Non Destructive Testing
(23-10-2017 to 30-10-2017)**

The Programme started with prayer song in an inaugural session and was inaugurated by Dr.D.Lakshmanan, Dean – Faculty of Engineering of Karpagam Academy of Higher Education.

Dr.P.Shanmugha Sundaram, Professor & Head, Department of Mechanical Engineering delivered the welcome address and welcomed all the Faculty members and Participants. It was followed by the lamp; felicitation of the management; inaugural speech by the Dean, Faculty of Engineering, KAHE.

NDT Basic Equipments



Liquid Penetrant Testing Equipments



Magnetic Particle Testing Equipment



Ultrasonic Flaw Detector



25.10.2017 - Magnetic Particle Inspection Handled by Mr.C.Sankarananth



26.10.2017 - Ultrasonic Testing Handled by Mr.V.Saravana kumar

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

**Short Term Training program on Non-Destructive Testing- Participants List
23rd - 30th October 2017**

Sl. No	Name of the Participant	Designation
1.	Dr.P.Shanmughasundaram	Professor & Head
2.	Dr.R.Sivaprakasam	Professor
3.	Dr.S.Prabakaran	Professor
4.	Dr.N.M.Sivaram	Associate Professor
5.	Dr.Debabrata Barik	Associate Professor
6.	Mr.A. Sivanantham	Assistant Professor
7.	Mr.R.Karuppasamy	Assistant Professor
8.	Mr.Milon D. Selvam	Assistant Professor
9.	Mr.S.Aravind	Assistant Professor
10.	Mr.E.Viswanathan	Assistant Professor
11.	Mr.K. Prasath	Assistant Professor
12.	Mr.G.Vignesh	Assistant Professor
13.	Mr.S.Balakumar	Assistant Professor
14.	Mr.AJR.Nelson	Assistant Professor
15.	Mr.P.Paranthaman	Assistant Professor
16.	Mr.M.Prakash	Assistant Professor

17.	Mr.P.Ragupathi	Assistant Professor
18.	Mr.D.Sathish Kumar	Assistant Professor
19.	Mr. R.Prasanna	Assistant Professor
20.	Dr.P.M.Gopal	Assistant Professor
21.	Mr.N.Sathiesh kumar	Assistant Professor
22.	Ms. R. Iswarya	Assistant Professor
23.	Mr.R.Suresh Balaji	Assistant Professor
24.	Mr.J.Arun Prakash	Assistant Professor
25.	Mr.C.Nithiyapathi	Assistant Professor
26.	Mrs.P.Jayapradha	Assistant Professor
27.	Mr.B.Akilan	Assistant Professor
28.	Mr.R.Gopinathan	Assistant Professor
29.	Mr.G.Jayabalaji	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
PROGRAM ON THE USE OF
CONTEMPORARY TOOLS ON
FINANCIAL RESEARCH
23.10.2017 - 29.10.2017**



Chief Patron

Vice Chancellor
KAHE,

Patron

Registrar
KAHE,

Dean
FASH,
KAHE,

Convenor :

Dr.M.Ashokkumar
KAHE

Coordinators:

Dr. C.Shangunthala
KAHE

Dr. A. Martin jayaraj
KAHE

Schedule for Professional Development Program

Date	Topic	Resource Person
23.10.2017	Fundamentals of econometrics	Dr. Nirmala Sathish, Associate Professor Department of Economics NGM College , Pollachi
24.10.2017	Problems of	Dr. R. A. Ayyaparajan,

	Econometrics & Financial analytics	Assistant Professor Department of Management Nehru Arts and Science College
25.10.2017	SEM	Dr. A.S. Sathish Kumar Assistant Professor Knowledge Business School Salem
26.10.2017	Time series analysis & Panel data analysis	Dr. Shantha mani, Professor, Vels Deemed university, Chennai
27.10.2017	Cointegration, ECM & Granger Causality	Dr. S.Mahalingam Professor, Bharathiyar university, Coimbatore
28.10.2017	DEMATAL & AR	Dr. Shilpa gopal Associate professor NIT Trichy
29.10.2017	GARCH & E GARCH	Dr.Susan Abraham, Professor, PSGR Krishnammal college for women, Coimbatore

Report - PROFESSIONAL DEVELOPMENT PROGRAM ON "THE USE OF CONTEMPORARY TOOLS ON FINANCIAL RESEARCH" - 23.10.2017 - 29.10.2017

Day 1:

Date	Session	Topic	Resource Person
23.10.2017	FN & AN	Fundamentals of econometrics	Dr. Nirrmala Sathish, Associate Professor Department of Economics NGM College , Pollachi

Resource person: Dr. Nirrmala Sathish, Associate Professor, Department of Economics, NGM College , Pollachi. The Professional development Program started at 9:30 am on 23.10.2017 in Thiruvalluvar Hall with the Welcome address by Dr. A. Ashok kumar, Professor & Head, Department of Management, KU. Firstly, the Resource person had lectured on the basics of econometrics tools and how it can be used for the financial research. He also elaborated on the fundamental concepts of econometrics.

Day 2:

Date	Session	Topic	Resource Person
24.10.2017	FN & AN	Problems of Econometrics & Financial analytics	Dr. R. A. Ayyaparajan, Assistant Professor Department of Management Nehru Arts and Science College

Resource person: Dr. R. A. Ayyaparajan, Assistant Professor, Department of Management, Nehru Arts and Science College. On the second day of the program, resource person explained on the research problems associated with the econometrics which can be solved. He also elucidated on the analytical models of econometrics and how it can be effectively applied for the financial research.

Day 3:

Date	Session	Topic	Resource Person
25.10.2017	FN & AN	SEM	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 in MBA computer lab. The resource person had explained theoretical framework of SEM. He highlighted significance of model building using AMOS and also explained the confirmatory factor analysis and exploratory factor analysis.

Day 4:

Date	Session	Topic	Resource Person
26.10.2017	FN & AN	Time series analysis & Panel data analysis	Dr. Shantha mani, Professor, Vels Deemed university, Chennai

Resource person: Dr. Shantha mani, Professor, Vels Deemed university, Chennai. The resource person on the fourth day of the program was lectured on Time series analysis & Panel data analysis. He also explained on how time series analysis and Panel data analysis be analysed by using E views software at the MBA lab. He also explained on data filtration techniques.

Day 5:

Date	Session	Topic	Resource Person
27.10.2017	FN & AN	Cointegration, ECM & Granger Causality	Dr. S.Mahalingam Professor, Bharathiar university, Coimbatore

Resource person: Dr.S.Mahalingam, Professor, Bharathiar University, Coimbatore. Day five of the Professional development Program begun at 9:30 am on 27.10.2017 at MBA computer Lab, the resource person gave elaborated on the how to apply Cointegration, ECM & Granger Causality methods in the research work by using E views software. Participants of program were given practical session on how to use econometric tools such as Cointegration, ECM & Granger Causality.

Day 6:

Date	Session	Topic	Resource Person
28.10.2017	FN & AN	DEMATAL & AR	Dr. Shilpa gopal Associate professor NIT Trichy

Resource person: Dr. Shilpa gopal, Associate professor, NIT Trichy. On day six the resource person explained on the econometrics tools of DEMATAL & AR. He also elaborated on the applications of these tools by using E views software and also provided practical demonstration of these tools at the MBA lab.

Day 7:

Date	Session	Topic	Resource Person
29.10.2017	FN & AN	GARCH & E GARCH	Dr.Susan Abraham, Professor, PSGR Krishnammal college for women, Coimbatore -4

Resource person: Dr. Susan Abraham, Professor, PSGR Krishnammal college for women, Coimbatore -4. Final day of the Professional development Program begun at 9:30 am. The resource person elucidated on the application of econometric tools such as GARCH & E GARCH. He also provided training on GARCH & E GARCH. Finally, the program ended with the vote of thanks by Dr. C. Shagunthala, Assistant Professor, Department of management.

PHOTO



PROFESSIONAL DEVELOPMENT PROGRAM ON "THE USE OF CONTEMPORARY TOOLS ON FINANCIAL RESEARCH"

Dr. R. A. Ayyaparajan, Assistant Professor, Department of Management, Nehru Arts and Science College.

Schedule of the Professional Development Program

Date	Session	Topic	Resource Person
23.10.2017	FN & AN	Fundamentals of econometrics	Dr. Nirmala Sathish, Associate Professor Department of Economics NGM College , Pollachi
24.10.2017	FN & AN	Problems of Econometrics & Financial analytics	Dr. R. A. Ayyaparajan, Assistant Professor Department of Management Nehru Arts and Science College
25.10.2017	FN & AN	SEM	Dr. A.S. Sathish kumar Assistant Professor Knowledge Business School Salem
26.10.2017	FN & AN	Time series analysis & Panel data analysis	Dr. Shantha mani, Professor, Vels Deemed university, Chennai
27.10.2017	FN & AN	Cointegration, ECM & Granger Causality	Dr. S.Mahalingam Professor, Bharathiyar university, Coimbatore
28.10.2017	FN & AN	DEMATAL & AR	Dr. Shilpa gopal Associate professor NIT Trichy
29.10.2017	FN & AN	GARCH & E GARCH	Dr.Susan Abraham, Professor, PSGR Krishnammal college for women, Coimbatore -4

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

AND

DEPARTMENT OF MANAGEMENT

PROFESSIONAL DEVELOPMENT PROGRAM ON "THE USE OF CONTEMPORARY TOOLS ON FINANCIAL RESEARCH"

List of Participants

Date: 23.10.2017 - 29.10.2017

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

14.	Mrs. P. Sathiyabama	Assistant Professor
15.	Mr. V. Gowrishankkar	Assistant Professor
16.	Mr. S. Nagarajan	Assistant Professor
17.	Mr. V. Gowtham Raaj	Assistant Professor
18.	Mr. V. Vivek	Assistant Professor
19.	Mr. B. Jaiganesh	Assistant Professor
20.	Mr. K. Aravindaraj	Assistant Professor

Schedule of the Professional Development Program

Date	Session	Topic	Resource Person
23.10.2017	FN & AN	Fundamentals of econometrics	Dr. Nirrmala Sathish, Associate Professor Department of Economics NGM College , Pollachi
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29.10.2017	FN & AN	GARCH & E GARCH	Dr.Susan Abraham, Professor, PSGR Krishnammal college for women, Coimbatore -

ORGANIZING COMMITTEE

CHIEF PATRON

Dr.S.Sudalaimuthu
Vice Chancellor

PATRON

Dr.S.Sundarajan
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. D.Shanmuga Priyaa, Associate Professor
Dr. M. Anand Kumar, Associate Professor
P.G. Sivagaminathan, Associate Professor
Dr. E. J. Thomson Fredrik, Assistant Professor
P.Tamil Selvan, Assistant Professor
U. B.Bharathi
Prathibha, Assistant Professor
P.A. Monisha

Resource Persons

Dr T Amudha
Assistant Professor
Department of Computer Applications
Bharathiar University
Coimbatore

Dr. S. Muthurajkumar
Assistant Professor
Department of Computer Technology
Anna University, Chennai

Programme schedule

Date : 09.10.2017 to 11.10.2017
Topic : The Future of Mobile Application Development

Keynote Address

Dr.P.Shanmugavadiyu
Professor and Head

Date : 12.10.2017 to 14.10.2017
Topic : Kotlin an Introduction, Hands on Training

Keynote Address

Dr. R.Bagdha Vatchala Perumal
Assistant Professor

Date : 15.10.2017 to 16.10.2017
Topic : Hands on training on creating small Mobile Apps

Keynote Address

Dr. R.Bagdha Vatchala Perumal
Assistant Professor

Short term Course on Mobile Application Development using Kotlin

09.10.2017 to 16.10.2017



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

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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

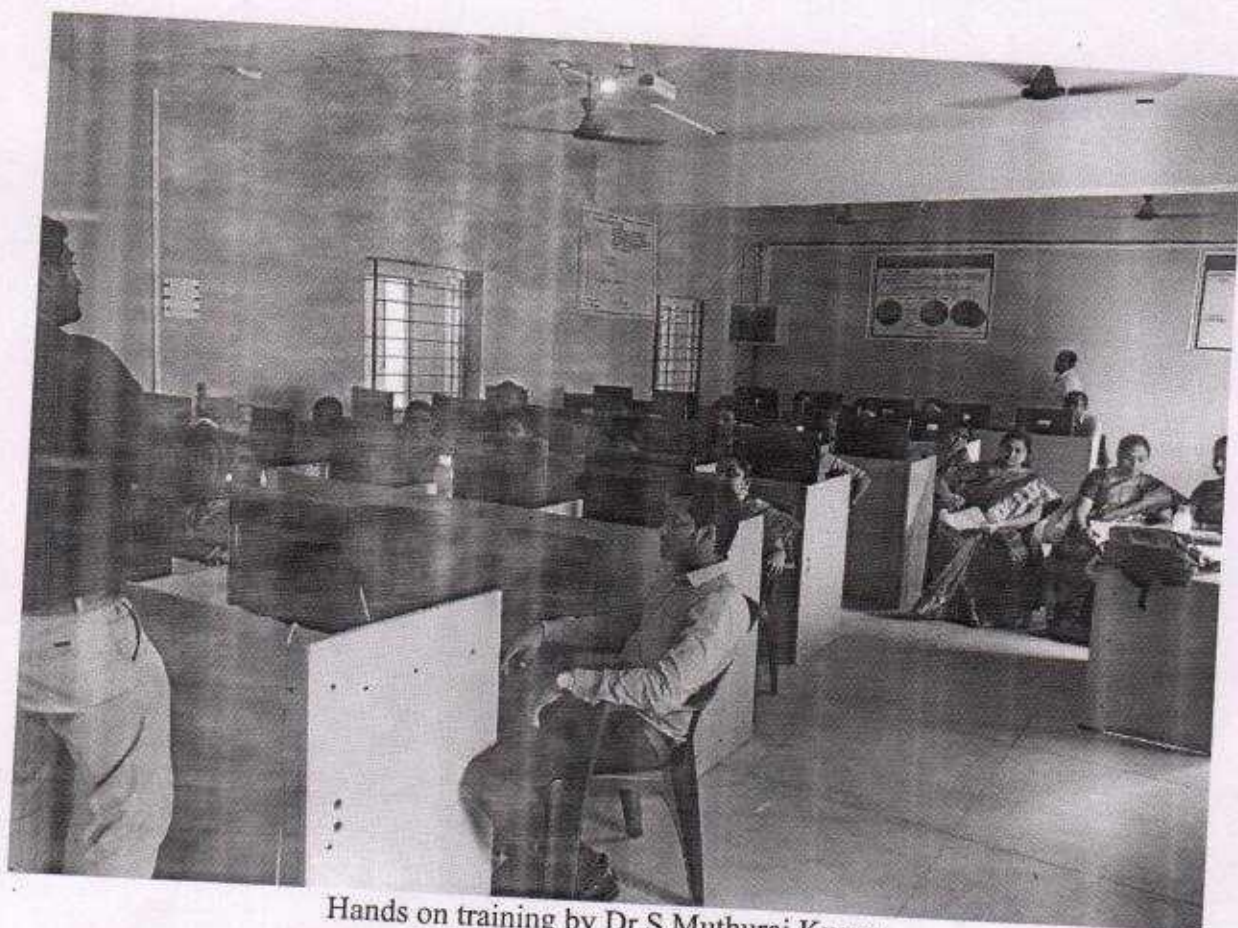
Mobile Application Development using Kotlin

Department of Computer Science, Applications & Information Technology organized Short Term Course on Mobile Application Development using Kotlin from 09.10.2017 to 16.10.2017. The faculty members of FASH, FOE department have participated in this program. The resources person, Dr. T. Amudha, Assistant Professor, Department of Computer Applications, Bharathiar University, Coimbatore gave introduction to Mobile Applications, Use of Android Studio platform and hands on training on mobile applications. Dr. S. Muthuraj Kumar, Assistant Professor, Department of Computer Technology, Anna University, Chennai gave hands on training on development of advanced mobile applications, gaming projects and development of mobile applications with real time scenarios.

The program was very useful for the faculty members as well as the researchers those who are doing research in various domain like Machine learning, IoT, Mobile Applications etc.,



Hands on training by Dr. S. Muthuraj Kumar



Hands on training by Dr.S.Muthuraj Kumar

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(HOD)

Short term Course on "Mobile Application Development using Kotlin"

09.10.2017 to 16.10.2017

List of Participants

S.No	Name of the Faculty
1.	Dr. S.Veni
2.	Dr. S.Manjupriya
3.	D. Sampath Kumar
4.	A.Jeevarathinam
5.	Dr. S. Hemalatha
6.	K.Banuroopa
7.	M.Mohan Kumar
8.	K.Kathirvel
9.	P.Tamil Selvan
10.	J. Hema Gowri
11.	S. Joyce
12.	S.A. Sathya Prabha
13.	D. Manjula
14.	K. Yuvaraj
15.	N. Manonmani
16.	Dr. T. Genish
17.	A Jenneth
18.	V.K. Lakshmi Priya
19.	S. Sujatha
20.	Dr. S. Sheeja
21.	Dr. E. J. Thomson Fredrik
22.	R.Naveen Kumar
23.	G.Anitha
24.	K. Kalaiselvi
25.	P.Nagarajan
26.	K. Veerasamy
27.	U. Prathibha
28.	J. Ramyabharathi
29.	R. Nithya
30.	K. Prathapchandran
31.	D. Surya Prabha
32.	P.A. Monisha
33.	M. Thillainayaki
34.	Dr. R.Gunasundari
35.	Dr. D.Shanmuga Priyaa
36.	Dr. M. Anand Kumar
37.	G.Manivasagam
38.	S. Kowsalya
39.	B.Bharathi
40.	K. Kiruthika
41.	N. Abirami
42.	P.G. Sivagaminathan
43.	M. Saranya
44.	Dr. V. Gayathri
45.	B. Brindha