

2020-2021



# AKSHAYA

## COLLEGE OF ENGINEERING AND TECHNOLOGY

(APPROVED BY AICTE, NEW DELHI & AFFILIATED TO ANNA UNIVERSITY, CHENNAI)

(AN ISO 9001:2015 CERTIFIED INSTITUTION)  
COIMBATORE-642 109, TAMILNADU, INDIA

### DEPARTMENT OF CIVIL ENGINEERING

*cordially invite you all for the Motivational Programme*

## IKIGAI

Japanese Concept of Ensuring  
Happiness & Successful Living



Resource Person

**Mr. S. Laxminarayanan**

Certified Trainer

Proprietor, 641 Story

Date	Time	Platform
23 August 2021 (Monday)	02:00 p.m. IST	Google Meet bhr-ukwn-hxt

Dr S Kapilan  
HoD – Civil Engineering

Prof.P.A.Edwin Fernando  
Convener – Student Programmes

*N. Kathiravan*  
30/08/21

Dr. N. KATHIRAVAN M.E., Ph.D.  
PRINCIPAL

Akshaya College of Engineering and Technology  
Kinathukadavu, Coimbatore - 642 109.



**AKSHAYA COLLEGE OF ENGINEERING AND TECHNOLOGY**  
**Department of Civil Engineering**  
**A Report on the Webinar**  
**"Japanese Concept of Ensuring Happiness & Successful Living"**  
**23 Aug 2021**

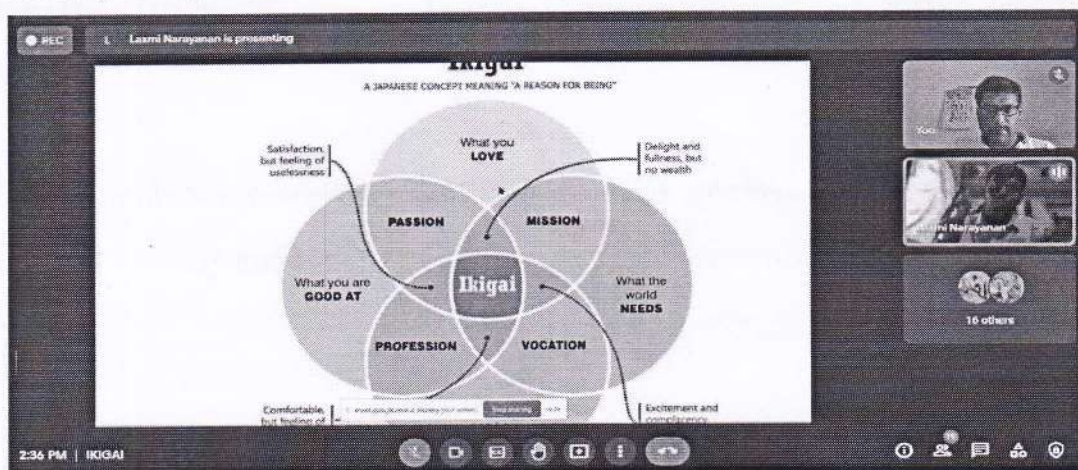
Date	Time	Platform
23 August 2021 (Monday)	02:00 p.m. IST	Google Meet bhr-ukwn-hxt

Dr S Kapilan  
HoD – Civil Engineering

Prof.P.A.Edwin Fernando  
Convener – Student Programmes


A webinar, "IKIGAI" was organized by the Department of Civil Engineering, on 23.08.2021. A brief report of the same is given below.

The Civil Engineering Department organised IKIGAI, a motivational programme for students based on Japanese secret of happiness and successful living. Mr Lakshmi Narayanan, Proprietor, 641 Story, explained the students that the purpose of living is to be happy and reserve the best of times from 5-9 in the morning and evening. He then lucidly explained the IKIGAI concept based on what we love, what we are good at, what gets paid and what world needs. He gave lovely examples and interacted with students which helped in better understanding. The students understood the concept well and are now better placed to set short term and long term goals.



Totally 46 Students (14 students from 4<sup>th</sup> semester, 8 from 6<sup>th</sup> semester and 24 from 8<sup>th</sup> semester) and 5 faculty members from Akshaya College of Engineering participated in the webinar.

  
 Co-coordinator

  
 HoD

  
 Principal





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COLLEGE OF ENGINEERING AND TECHNOLOGY

APPROVED BY AICTE, NEW DELHI & AFFILIATED TO JSSA & MAHARASHTRA CHENGAL  
FOR THE DEGREE COURSE IN ENGINEERING  
COIMBATORE WAT. NO. 10, KINATHUKADAVU, INDIA

## DEPARTMENT OF CIVIL ENGINEERING



profusely thanks

**Prof KRP Satheesh Kumar**

Kumaraguru College of Technology

for his noble endeavour in  
graciously delivering a webinar titled  
"ASEISMIC DESIGN  
OF MULTI STOREYED BUILDINGS"  
on Thursday, 08 July 2021

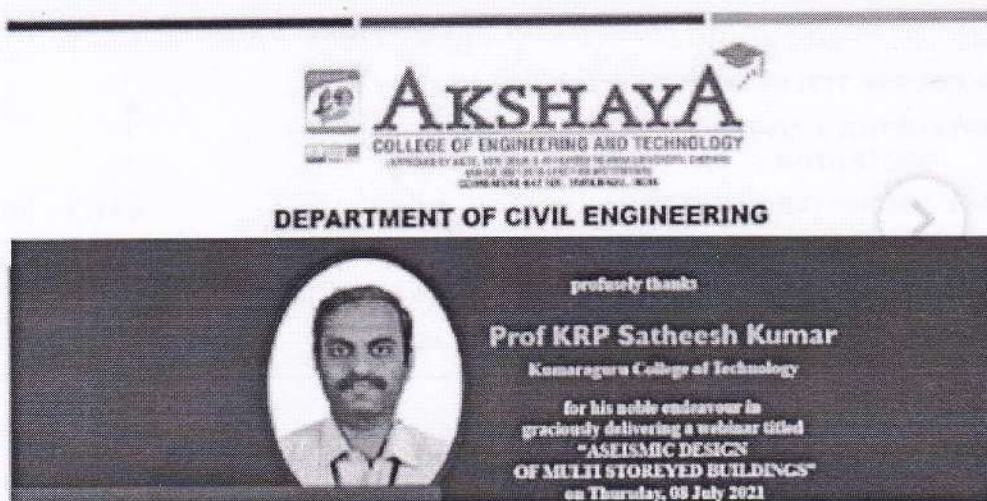
*N. Kathiravan*  
30/6/21

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Akshaya College of Engineering and Technology  
Kinathukadavu, Coimbatore - 642 109.

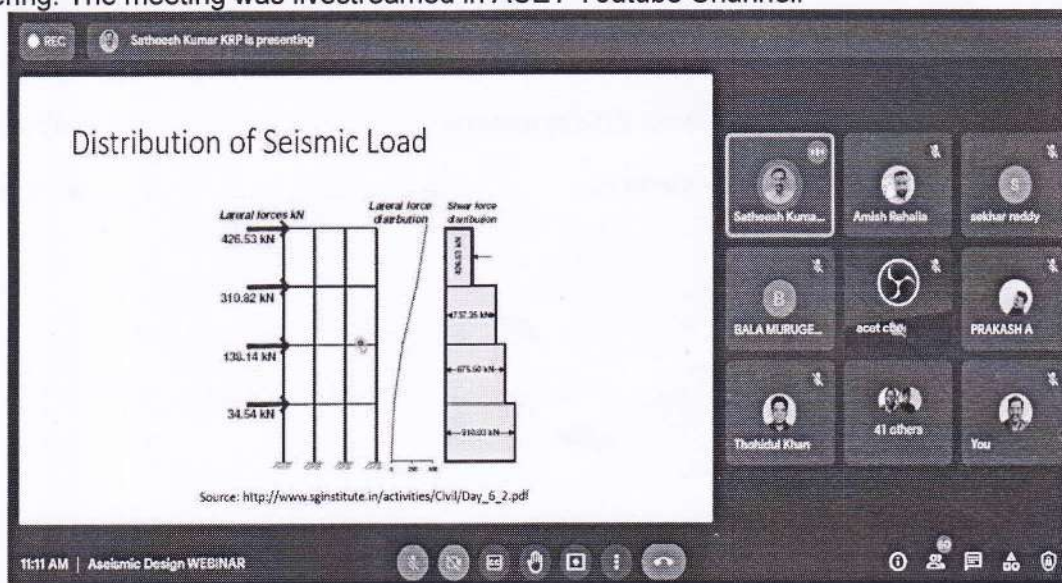


**AKSHAYA COLLEGE OF ENGINEERING AND TECHNOLOGY**  
**Department of Civil Engineering**  
**A Report on the Webinar**  
**"ASEISMIC DESIGN OF MULTI STOREYED BUILDINGS"**  
**08<sup>th</sup> JULY 2021**



A webinar on "Aseismic Design of Multi Storeyed Buildings" was delivered by Prof.K.R.P.Satheesh Kumar of Kumaraguru College of Technology. Prof.Satheesh explained the fundamentals of structural dynamics and lucidly presented the elementary mathematics and mechanics involved in the field. From this understanding, he explained the challenges posed by earthquakes to multi storeyed buildings. He explained how they can be countered with available and upcoming technology. The webinar was well received by the participants and well appreciated by academic and industry leaders who attended the webinar.

Prof.P.A.Edwin Fernando welcomed the gathering while Prof.Pon.Rathnavel thanked the gathering. The meeting was livestreamed in ACET Youtube Channel.



Totally 46 Students (14 students from 4<sup>th</sup> semester, 8 from 6<sup>th</sup> semester and 24 from 8<sup>th</sup> semester) and 5 faculty members from Akshaya College of Engineering participated in the webinar. 9 faculty members from other Engineering institution. Also 44 participants in ACET YouTube Channel took part in the webinar.

*[Signature]*  
**Co ordinator**

*[Signature]*  
**HoD**

*[Signature]*  
**Principal**





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COIMBATORE-642 109, TAMILNADU, INDIA

## DEPARTMENT OF CIVIL ENGINEERING

*cordially invites you for the National Webinar to  
commemorate 6<sup>th</sup> year of launch of Smart Cities Mission*

## SMART CITIES – THE CHALLENGES



Resource Person

**Dr. Sheetal Sharma**

Professor & Dean

School of Architecture,  
VIT University, Bhopal

Date	Time	Platform
25 June 2021 (Friday)	10.30 am IST	Google Meet

Dr S Kapilan

HoD – Civil Engineering



Prof.P.A.Edwin Fernando

Convener – Student Programmes 2020-21


*N. K. Kathiravan*  
30/6/21

**Dr. N. KATHIRAVAN M.E., Ph.D.**  
PRINCIPAL

Akshaya College of Engineering and Technology  
Kinathukadavu, Coimbatore - 642 109.




**AKSHAYA COLLEGE OF ENGINEERING AND TECHNOLOGY**  
**Department of Civil Engineering**  
**A Report on the Webinar**  
**"Smart Cities the Challenges"**  
**25 Jun 2021**

**AKSHAYA**  
**COLLEGE OF ENGINEERING AND TECHNOLOGY**  
(APPROVED BY AICTE, NEW DELHI & AFFILIATED TO Anna University, Chennai)  
(AN ISO 9001:2015 CERTIFIED INSTITUTION)  
COIMBATORE-642 106, TAMILNADU, INDIA

**DEPARTMENT OF CIVIL ENGINEERING**  
*cordially invites you for the National Webinar to  
commemorate 6<sup>th</sup> year of launch of Smart Cities Mission*


**SMART CITIES – THE CHALLENGES**



Resource Person  
**Dr. Sheetal Sharma**  
Professor & Dean  
School of Architecture,  
VIT University, Bhopal

Date	Time	Platform
25 June 2021 (Friday)	10.30 am IST	Google Meet

**Dr S Kapllan**  
HoD – Civil Engineering



**Smart City**  
MISSION IMPLEMENTATION

**Prof.P.A.Edwin Fernando**  
Convener – Student Programmes 2020-21

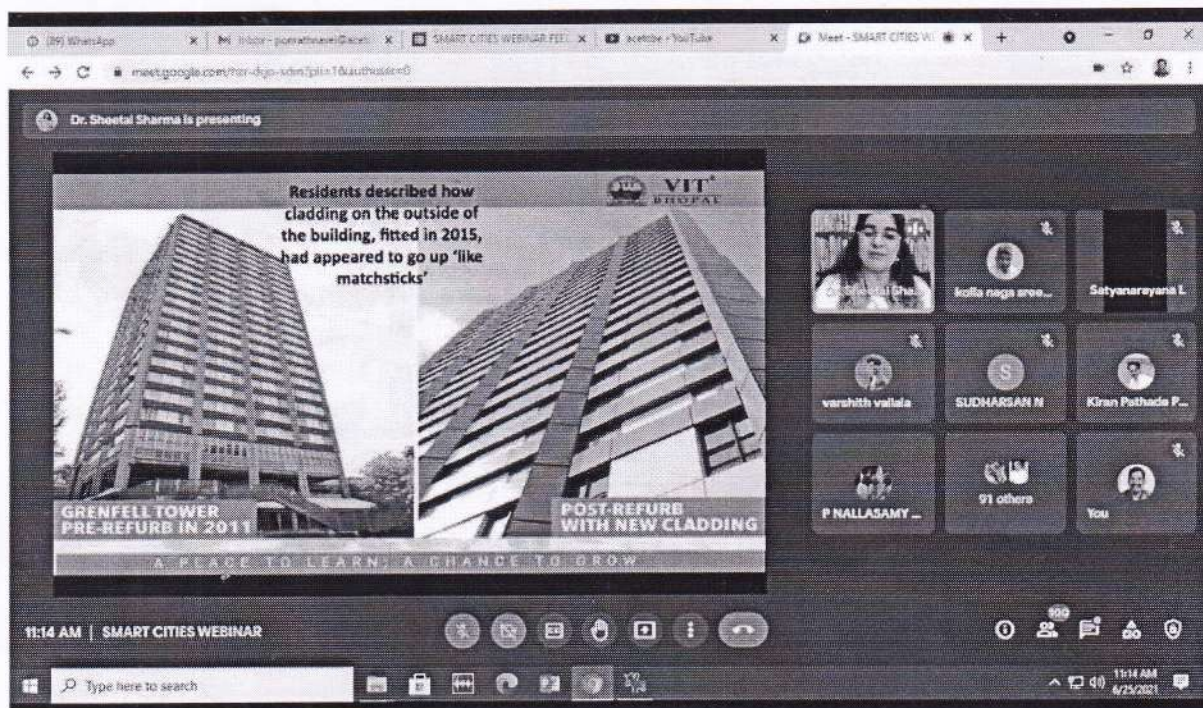
To mark the 6th anniversary of the launch of Smart Cities Mission, Akshaya College of Engineering and Technology organised a national level webinar titled "Smart Cities - The Challenges". The webinar was delivered by Dr Sheetal Sharma, Dean, School of Architecture, VIT University, Bhopal. The webinar took place from 10.30 AM to 12.00 Noon in Google Meet Platform. Prof.P.A.Edwin Fernando welcomed the gathering.

Dr Sheetal Sharma made an interactive presentation which had the audience on their toes courtesy some interactive quizzes and polls. She requested the audiences to state the character a smart city should acquire. With the participation of the audience, she emphasized that sustainability was the most important character for the future of smart cities. Citing various examples, she explained the need of both collective intelligence and artificial intelligence systems to ensure sustainability. She spoke on the need to change mindset, materials and technology that are not only suited to the present but also to the immediate future. She justified the opinion that our ignorance of traditional knowledge and over dependence on data and machines could well prove to be a nemesis. She concluded that to ensure the sustainability of cities, the cities should be made intelligent. She later took questions related to energy efficiency, smart transportation and urban water management. The participants and organizers were of the general opinion that the session was well planned and delivered. She concluded that smart Cities mission is still in nascent stages and it shall open up as a separate opportunity for research.

The thoughts were based on experience and the solutions were very pragmatic. All participants were provided with an overview of Smart City Projects in Coimbatore and access to a collection of technical documents related to smart cities.

Ms. Karolina proposed the Vote of Thanks. Prof. Pon.Rathnavel introduced the resource person and moderated the question answer session.





Totally 46 Students (14 students from 4<sup>th</sup> semester, 8 from 6<sup>th</sup> semester and 24 from 8<sup>th</sup> semester) and 5 faculty members from Akshaya College of Engineering participated in the webinar. 49 faculty members from other Engineering institution. Also, 397 participants in ACET YouTube Channel took part in the webinar.

*[Signature]*  
25/6  
Co ordinator

*[Signature]*  
25/6  
HoD

*[Signature]*  
25/6/20  
Principal





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## DEPARTMENT OF CIVIL ENGINEERING

*cordially invites you for the Webinar to  
Celebrate the World Environment Day*

## ROLE OF ENGINEERS IN SUSTAINABLE ENERGY, ENVIRONMENT AND ECOLOGY



by

**Prof. A. Mohammed Siraj Ansari**

Department of Civil Engineering  
Coimbatore Institute of Technology  
Coimbatore

Date	Time	Platform	Meeting Code
05 June 2021 (Saturday)	10.30 am IST	Google Meet	pfh-hooj-dfh

Dr S Kapilan

HoD – Civil Engineering



REIMAGINE  
RECREATE  
RESTORE



WORLD  
ENVIRONMENT  
DAY

Prof.P.A.Edwin Fernando

Convener – Student Programmes 2020-21

*N. Kathiravan*  
30/6/21

**Dr. N. KATHIRAVAN M.E., Ph.D.**  
PRINCIPAL

Akshaya College of Engineering and Technology  
Kinathukadavu, Coimbatore - 642 109.



**AKSHAYA COLLEGE OF ENGINEERING AND TECHNOLOGY**  
**Department of Civil Engineering**  
**A Report on the Webinar**  
**"Role of Engineers in Sustainable Energy, Environmental and Ecology"**  
**05 Jun 2021**

**AKSHAYA**  
**COLLEGE OF ENGINEERING AND TECHNOLOGY**  
(APPROVED BY AICTE, NOW DELHI & AFFILIATED TO Anna University, Chennai)  
 (AN ISO 9001:2015 CERTIFIED INSTITUTION)  
 COIMBATORE-642 105, TAMILNADU, INDIA

**DEPARTMENT OF CIVIL ENGINEERING**  
*cordially invites you for the Webinar to  
 Celebrate the World Environment Day*

**ROLE OF ENGINEERS IN  
 SUSTAINABLE ENERGY, ENVIRONMENT AND ECOLOGY**

by  
**Prof. A. Mohammed Siraj Ansari**  
 Department of Civil Engineering  
 Coimbatore Institute of Technology  
 Coimbatore

Date	Time	Platform	Meeting Code
05 June 2021 (Saturday)	10.30 am IST	Google Meet	pfb-hooj-dfh

Dr S Kapilan  
HoD – Civil Engineering

REIMAGINE  
RECREATE  
RESTORE

Prof.P.A.Edwin Fernando  
Convener – Student Programmes 2020-21

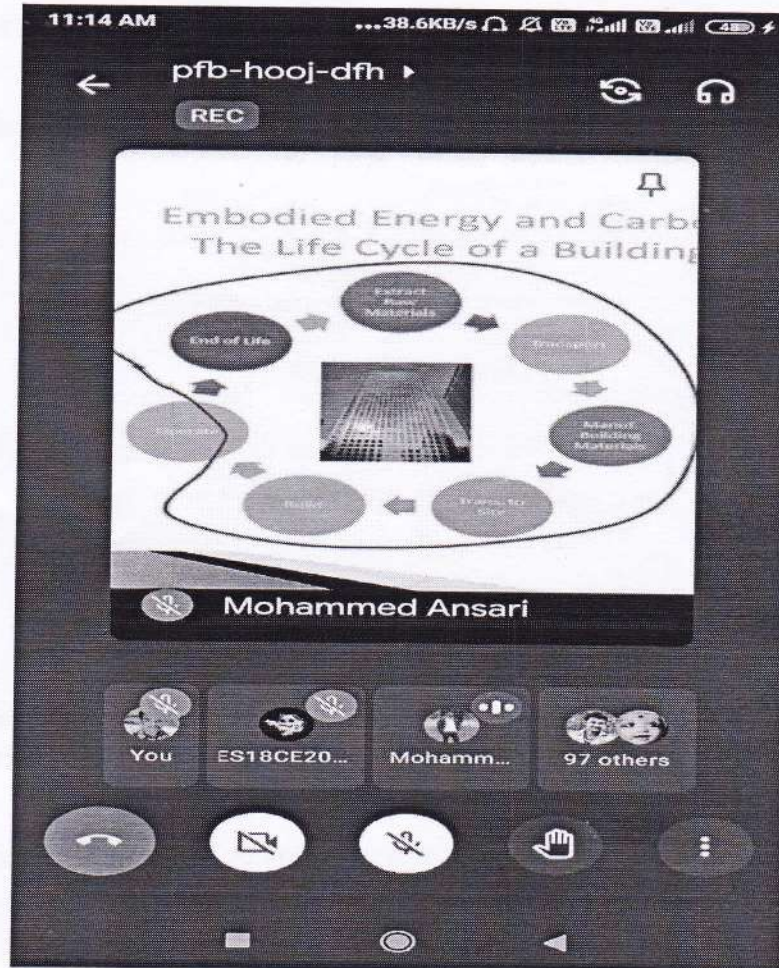
A webinar, "Role of Engineers in Sustainable Energy, Environment and Ecology" was organized by the Department of Civil Engineering, on 05.06.2021. A brief report of the same is given below.

A webinar on "Role of Engineers in Sustainable Energy, Environment and Ecology" was delivered by Prof.A.Mohammed Siraj Ansari of Coimbatore Institute of Technology. He explained Engineers are increasingly required to play a leadership role in sustainable development, overcoming global challenges, such as depletion of resources, environmental pollution, rapid population growth and damage to ecosystems.

He lucidly explained the environment and Ecology in the 20th century, engineering achievements were developed without considering their impact on social, economic, and environmental natural systems. Considering the problems facing our planet today and the problems expected to arise in the first half of the twenty-first century, engineers must revisit their mindset and adopt a new mission statement - to contribute to the building of a more sustainable, stable, and equitable world. For that to occur, engineers must adopt a completely different attitude towards natural and cultural systems and reconsider interactions between engineering disciplines, non-technical fields and the society. As we enter the twenty-first century, we must adopt a more holistic approach to engineering. This will require: (1) a major paradigm shift from control of nature to participation with nature; (2) an awareness of ecosystems, ecosystems services, and the preservation and restoration of natural capital; and (3) a new mindset of the mutual enhancement of nature and humans that embraces the principles of sustainable development. The webinar was well received by the participants and well appreciated by academic and industry leaders who attended the webinar.

Prof.P.A.Edwin Fernando welcomed the gathering while Prof.Pon.Rathnavel thanked the gathering.





Totally 46 Students (14 students from 4<sup>th</sup> semester, 8 from 6<sup>th</sup> semester and 24 from 8<sup>th</sup> semester) and 5 faculty members from Akshaya College of Engineering participated in the webinar. 46 faculty members from other Engineering institution. Also 112 participants in ACET YouTube Channel took part in the webinar.

  
Co ordinator

  
HoD

  
Principal 5/6/21





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COIMBATORE-642 109, TAMILNADU, INDIA

DEPARTMENT OF CIVIL ENGINEERING

*cordially invites you for a Webinar on*

## WASTE & WEALTH ARE SYNONYMS

**A New Look to Solid Waste Management**

by

**Ms Pavithra**

NOTHING IS WASTE  
Coimbatore, India

NOTHING IS  
WASTE

NOTHING IS  
WASTE

Date	Time	Platform	Meeting Code
19 April 2021 (Monday)	10.30 AM IST	Google Meet	ocw-cxiy-equ

Dr S Kapilan

HoD – Civil Engineering

Prof.P.A.Edwin Fernando

Convener – Student Programmes 2020-21

*N. Kathiravan*  
*Solahi*

**Dr. N. KATHIRAVAN M.E., Ph.D.**  
PRINCIPAL

Akshaya College of Engineering and Technology  
Kinathukadavu, Coimbatore - 642 109.



A Report on the Webinar  
**"WASTE & WEALTH ARE SYNONYMS"**  
A New Look to Solid Waste Management  
19 April 2021



**AKSHAYA**

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COIMBATORE-642 109, TAMILNADU, INDIA

DEPARTMENT OF CIVIL ENGINEERING

*cordially invites you for a Webinar on*

**WASTE & WEALTH ARE SYNONYMS**

**A New Look to Solid Waste Management**

by

**Ms Pavithra**

NOTHING IS WASTE  
Coimbatore, India

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Date	Time	Platform	Meeting Code
19 April 2021 (Monday)	10.30 AM IST	Google Meet	ocw-cxiy-equ

Dr S Kapilan

HoD – Civil Engineering

Prof.P.A.Edwin Fernando

Convener – Student Programmes 2020-21

**Organized by**  
The Department of Civil Engineering,  
Akshaya College of Engineering and Technology



# **AKSHAYA**

COLLEGE OF ENGINEERING AND TECHNOLOGY

A webinar, "Waste & Wealth are Synonyms" was organized by the Department of Civil Engineering, on 19.4.2021. A brief report of the same is given below.

## **WELCOME ADDRESS:**

Welcome address was given by Mr.Pon Rathnavel, AP/CIVIL, ACET.

## **INTRODUCTION OF CHIEF GUEST**

Mr. Pon Rathinavel AP/Civil introduced the chief guest Ms Pavithra Hariharan. She has completed her Bachelor of commerce degree and currently working as a senior associate with Ernst and Young (EY) Bangalore and was previously working as a finance associate with Ford motor company Coimbatore.

## **CHIEF GUEST PRESENTATION:**

Ms Pavithra Hariharan started her presentation by giving a brief introduction about the organization "Nothing is waste" and moved forward to topics like 'Why we see nothing in waste', 'Introduction to Waste management (exclusively on Plastic)', 'Human Impact on Environment and Health', 'What happens to the uncollected plastic from the public', 'How dumping of the solid waste impact on environment' 'How waste segregation should be done', 'How the plastics wastes are recycled and used in our day to day commodities' and finally ended up with the Q&A session. All the above topics were explained elaborately to the students.

The explanation given by the speaker on some of the topics is given below:

### **How we use plastic waste as a useful material?**

The speaker elaborated that everything from plastic screws, hangers, big plastic parts that are used in decoration, electric wiring, flooring, wall covering and waterproofing become part of plastic waste. She said, plastic wastes can be used for road constructions that have shown new hope in road construction. The mixture used for plastic roads consist of plastic carry bags, disposable cups and PET bottles. By using plastic waste as modifier, we can reduce the quantity of cement and sand by their weight, hence decreasing the overall cost of construction. Plastic will increase the melting point of the bitumen. Rain water will not seep through because of the plastic in the tar. So, this technology will result in lesser road repairs.

### **How dumping of the solid waste impact on environment?**

She said, one of the major environmental problems that developing countries are facing is improper solid waste disposal and management strategies. We generate wastes at school, home, market, and other public places. Wastes are also from industries, farms, hospitals, pharmaceuticals, and other sources. While some of the garbage are biodegradable, others are not biodegradable and they include metals, aluminum cans, plastics, broken computers, and car parts. As they do not decay easily, they pile up in landfills and refuse dumps and these bring



great harm to the water, land, and people around it. The problems of waste disposal are becoming complex as population and industrial production increase.

The session was an eye opener and very informative to the students. The knowledge gained by the students will be useful in understanding some concepts of the courses **Waste Water Engineering, Participatory Water Resource Management.**

### VOTE OF THANKS:

Vote of thanks was proposed by Mr.Pon Rathnavel, AP/CIVIL. He thanked the Chief guest for her wonderful presentation. He thanked HoD for arranging this webinar. He also thanked all the participants.

The screenshot shows a Google Meet interface. The main window displays a presentation titled "TYPES OF PLASTICS" from www.recykal.com. The presentation includes a table with plastic codes, names, examples, and recyclability status. On the right, a sidebar shows participant avatars, including Pavithra Santhosh, Vijay anand K, Abhishekumar M, and Santhosh MS. The bottom of the screen shows the Windows taskbar with the search bar and various application icons.

PLASTIC CODE & NAME	1 PETE	2 HDPE	3 PVC	4 LDPE	5 PP	6 PS	7 OTHER
	Polyethylene	High Density Polyethylene	Poly vinyl chloride	Low Density Polyethylene	Polystyrene	Polystyrene	Others
EXAMPLES							
RECYCLABLE?	✓	✓	✗	✓	✓	✗	✗

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Webinar on WASTE & WEALTH ARE SYNONYMS  
All Participants are from Department of Civil Engineering  
Date : 19-04-2021  
List of Participants

S.No.	Registration No	Name of the Student	Sem&Dept
1.	720319103001	AJIN PRASANTH D	IV SEM
2.	720319103002	GAYATHRI R S	
3.	720319103003	GOWTHAM KUMAR K	
4.	720319103004	JOTHIKA I	
5.	720319103005	NANDHAKUMAR D	
6.	720319103006	RAMANA V	
7.	720319103007	SASIKUMAR C	
8.	720319103008	SATHEESH C	
9.	720319103010	VINOTH S	
10.	720319103701	BALAGANESH B	
11.	720319103702	SUDHARASAN S	
12.	720319103703	BALAMURALI A	
13.	720319103301	SELVABENISH T	
14.	720319103302	VENNILA M	
15.	720318103001	ABILASH G	VI SEM
16.	720318103002	ABISHEKKUMAR M	
17.	720318103003	AJAY A	
18.	720318103004	AKASH MANIKANDAN B	
19.	720318103005	JISHNU C	
20.	720318103006	NITHYA SRI J	
21.	720318103007	RAJESH V	
22.	720318103302	RAKSHAYA K	
23.	720317103001	ABY SABY	
24.	720317103003	BOOBATHIKUMAR S	VIII SEM
25.	720317103004	DURAI VENKATESH M	
26.	720317103005	GOWTHAM M	
27.	720317103006	GOWTHAMAN C	
28.	720317103008	KAROLINA B	
29.	720317103009	LOGESH K	
30.	720317103010	MEBIYA MANOJ	
31.	720317103011	MOHANPRASATH M	
32.	720317103013	PRABAKARAN M	
33.	720317103014	PRAKASH A	
34.	720317103015	PRAKASH M	
35.	720317103016	PRAVIN R	
36.	720317103017	RAGULPRASATH T	
37.	720317103018	RANJITH T	
38.	720317103019	RAPHAEL P S	
39.	720317103020	SANTHOSHKUMAR A	
40.	720317103021	SARAVANAKUMAR SP	
41.	720317103022	SHANKAR K	
42.	720317103023	SREEJITH M P	
43.	720317103025	SUHETHA S	
44.	720317103026	VISHWA P	
45.	720317103027	VITHIYA M	
46.	720317103701	JERUM JESTIN M	



List of Faculty members from Akshaya college of Engineering

Sl.No.	Name of the Staff members
1.	Mr.P.A.Edwin Fernando
2.	Mr.Pon Rathnavel
3.	Mr.M.Sheik Mohamed Anas
4.	Mr.K.Vijay Anand
5.	Dr.S.Kapilan

List of Faculty members from other Institution

Sl.No	Name of the Staff members	Institution
1.	Ms.Nilofar	PSNA COLLEGE
2.	Dr.Rajesh kanna	RVS CET
3.	Mr.Kesavamoorthi rangaswamy	KSR COLLEGE
4.	Mr.Gopirajan	CMS COLLEGE
5.	Ms.Martina Anjali	HIT
6.	Ms.Subarna Babu	Chairman(Nothing is waste)
7.	Ms.Akil	HIT

  
Prepared by 22/4/24

  
HoD

  
Principal 22/4/24



2019-2020

In association with



ICTACADEMY

Hosted by



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Faculty Development Program on

# TEACHING TECHNIQUES

With Gamification

FDP NO: 1,375 | 06 - 08 February 2020

Akshaya College of Engineering & Technology, Coimbatore

  
**DR. J. JAYA**, M Tech., Ph.D  
PRINCIPAL

Akshaya College of Engineering And Technology  
Kinathukadavu, Coimbatore - 642 109





# AKSHAYA

COLLEGE OF ENGINEERING AND TECHNOLOGY

Kinathukadavu, Coimbatore - 642 109.

## Department of Computer Science and Engineering

Name of the Event : Faculty Development Program on "Teaching Techniques with Gamification"

Date : 6th February 2020 to 8th February 2020 (3 Days)

### Attendance Sheet

S. No.	Name	Name of the College	06.02.2020 F.N	06.02.2020 A.N	07.02.2020 F.N	07.02.2020 A.N	08.02.2020 F.N	08.02.2020 A.N
1.	Dr. Jaya	Akshaya College of Engineering & Technology, Coimbatore.						
2.	Dr. S. Nagaraja	Akshaya College of Engineering & Technology, Coimbatore.						
3.	Dr. Sendhil Kumar S	Akshaya College of Engineering & Technology, Coimbatore.						
4.	K. Ranjithkumar	Akshaya College of Engineering & Technology, Coimbatore.						
5.	Keerthika J	Akshaya College of Engineering & Technology, Coimbatore.						
6.	Mr. P. Parthasarathi	Akshaya College of Engineering & Technology, Coimbatore.						
7.	Nithyapriya.S	Akshaya College of Engineering & Technology, Coimbatore.						
8.	P. Soundarya	Akshaya College of Engineering & Technology, Coimbatore.						
9.	Punitha N	Akshaya College of Engineering & Technology, Coimbatore.						
10.	Rajasekar C	Akshaya College of Engineering & Technology, Coimbatore.						
11.	Rajkumar N	Akshaya College of Engineering & Technology, Coimbatore.						
12.	Saranya R	Akshaya College of Engineering & Technology, Coimbatore.						
13.	Sivakumar R	Akshaya College of Engineering & Technology, Coimbatore.						

Dr. J. JAYA, M.Tech., Ph.D  
PRINCIPAL

Akshaya College of Engineering And Technology  
Kinathukadavu, Coimbatore - 642109



S. No.	Name	Name of the College	06.02.2020 F.N	06.02.2020 A.N	07.02.2020 F.N	07.02.2020 A.N	08.02.2020 F.N	08.02.2020 A.N
14.	Sowkarthiga P	Akshaya College of Engineering & Technology, Coimbatore.	P. I. ✓	P. I. ✓	P. I. ✓	P. I. ✓	P. I. ✓	P. I. ✓
15.	Veena K	Akshaya College of Engineering & Technology, Coimbatore.	V. ✓	V. ✓	V. ✓	V. ✓	V. ✓	V. ✓
16.	Viji C	Akshaya College of Engineering & Technology, Coimbatore.	C. ✓	C. ✓	C. ✓	C. ✓	C. ✓	C. ✓
17.	Aghalya.M	Avinashilingam Institute (for Home Science and Higher Education for Women) - SCHOOL OF ENGINEERING	A. ✓	A. ✓	A. ✓	A. ✓	A. ✓	A. ✓
18.	P. Sukumar	CMS College Of Science And Commerce	P. ✓	P. ✓	P. ✓	P. ✓	P. ✓	P. ✓
19.	Nagapriya.T.P	KG College of Arts & Science	P. ✓	P. ✓	P. ✓	P. ✓	P. ✓	P. ✓
20.	Dr.S.Gomathi	KS Rangasamy College of Technology (Autonomous)	S. ✓	S. ✓	S. ✓	S. ✓	S. ✓	S. ✓
21.	Muthumohan.C	KS Rangasamy College of Technology (Autonomous)	C. ✓	C. ✓	C. ✓	C. ✓	C. ✓	C. ✓
22.	Rameshkumar Raja T T	KS Rangasamy College of Technology (Autonomous)	T. ✓	T. ✓	T. ✓	T. ✓	T. ✓	T. ✓
23.	Kanimozhi.R.S.	PSGR Krishnammal College For Women	R. ✓	R. ✓	R. ✓	R. ✓	R. ✓	R. ✓
24.	Vaishnavi	PSGR Krishnammal College For Women	V. ✓	V. ✓	V. ✓	V. ✓	V. ✓	V. ✓
25.	Arunambika T	Rathinam College of Arts & Science	A. ✓	A. ✓	A. ✓	A. ✓	A. ✓	A. ✓
26.	Dr.T.Saranya	Rathinam College of Arts & Science	T. ✓	T. ✓	T. ✓	T. ✓	T. ✓	T. ✓
27.	R Karthik	Rathinam College of Arts & Science	R. ✓	R. ✓	R. ✓	R. ✓	R. ✓	R. ✓
28.	S.Kavitha	Rathinam College of Arts & Science	K. ✓	K. ✓	K. ✓	K. ✓	K. ✓	K. ✓
29.	P. Anantha Prabha	Sri Krishna College of Technology, Coimbatore	P. ✓	P. ✓	P. ✓	P. ✓	P. ✓	P. ✓
30.	Dr.Nishu sekar	Sri Ramakrishna College of Arts and Science	N. ✓	N. ✓	N. ✓	N. ✓	N. ✓	N. ✓
31.	Keerthivasan . P	Sri Ramakrishna College of Arts and Science	P. ✓	P. ✓	P. ✓	P. ✓	P. ✓	P. ✓

Faculty In charge

Event Coordinator

HoD

10/2/20





## FDP on Teaching Techniques with Gamification— A report

Faculty Development Program on Teaching Techniques with Gamification was conducted by our institution from 06-02-2020 to 08-02-2020 for the faculty members. The program was conducted in association with ICT ACADEMY. The resource person was Mr.Jino Jose, Deputy Manager - Training and Research, ICT ACADEMY

The following topics were covered during the training session:

### Day 1 session :

- Starting with the basics - Communication.
  - What is that one thing that makes a teacher outstanding?
  - Discussing categories of communication in a class.
- Sharpening Ourselves-
  - Understanding ourselves, who we are? What do we do and why do we do?
  - Roles, skills and traits.
- Understanding ourselves and our students-
  - Role of cognition in the class, The Feynman Technique,
  - Effective facilitation strategies
  - Activities- Activities based on the topic, Video presentations

### Day 2 session :

- Bloom's Taxonomy –
  - The 6 levels of Bloom's Taxonomy, Strategies for teaching with Bloom's Taxonomy
- Teaching and Learning Theories –
  - Four stages of Competence, Understanding and applying the stages in the class
- Creative Teaching-
  - What is Creativity? How to cultivate creativity inside a classroom?
- Activities - Activities based on the topic, Video presentations.

### Day 3 session :

- Effective Instructional Strategies –
  - Psycho physiology of learning, alternate learning methods, integrated teaching.
- Gamification –
  - How to gamify your classroom? LMS
- Alternate gaming methods –
  - MOOC, Augmented Reality, Flipped Classroom, Blended Learning.

A total of 31 faculties got benefitted out of this faculty development program. It would help the faculties to enhance their teaching skills which will help them to fare better in their career.

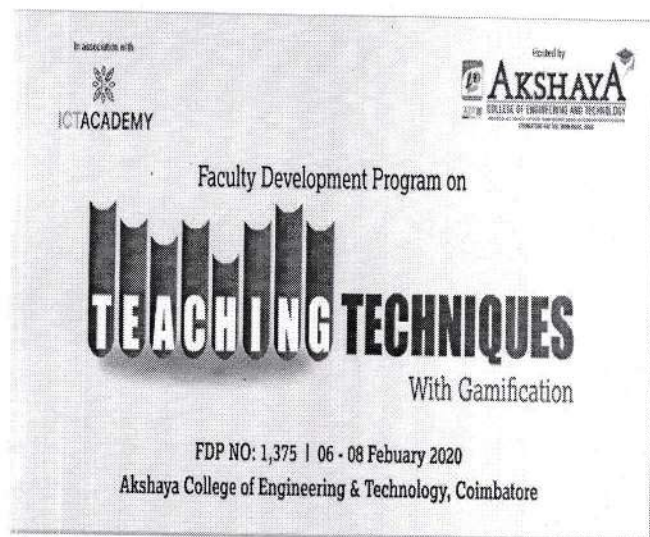
*[Signature]*  
Dr. P. N. M. M. Tech., Ph.D.  
PRINCIPAL

Akshaya College of Engineering And Technology  
Kinathukadavu, Coimbatore - 642 109

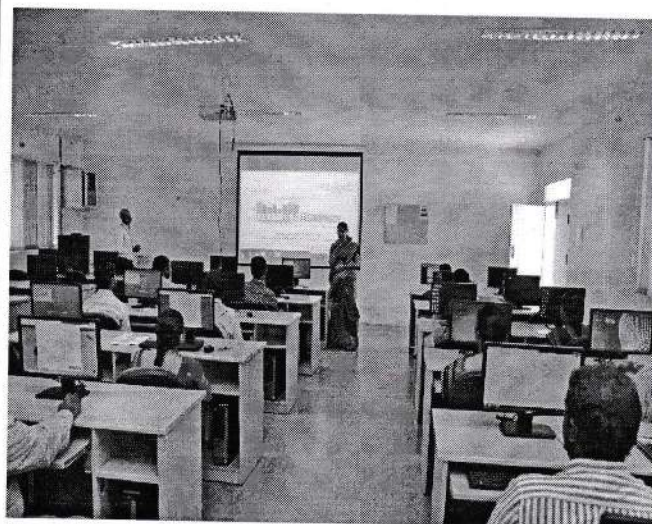


Title of Activity:

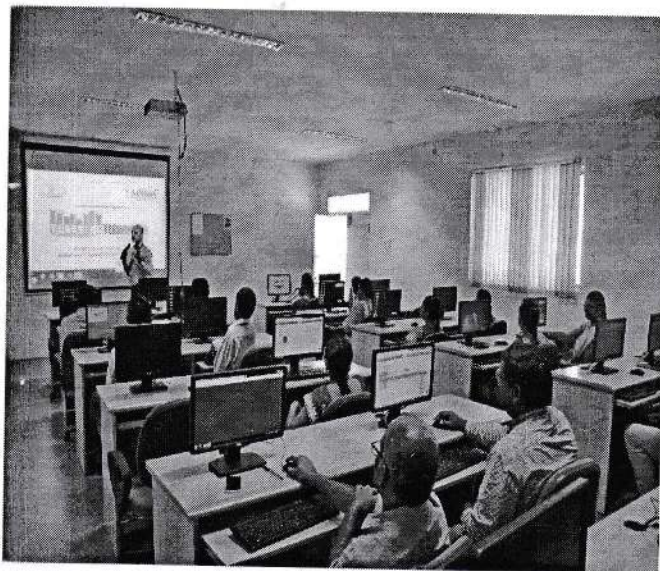
Faculty Development Program on "Teaching Techniques with Gamification"



FDP Banner



Welcome Address by Dr. J. Jaya, Principal, Akshaya College of Engineering and Technology, Coimbatore



Session was handled by Mr. Jino Jose, Deputy Manager  
- Training and Research, ICT ACADEMY



Participants of 3 days FDP on "TEACHING TECHNIQUES WITH GAMIFICATION"

PRINCIPAL

Dr. J. JAYA, M. Tech., Ph.D.  
PRINCIPAL

Akshaya College of Engineering And Technology  
Kinethukadavu, Coimbatore - 642109





# AKSHAYA

COLLEGE OF ENGINEERING AND TECHNOLOGY

(Approved by AICTE, New Delhi and Affiliated to Anna University, Chennai-Ac-103/607) 2015 Certified Institution  
Kinathukadavu, Coimbatore - 642 109.



NITTTR Kolkata



## ICT mode STTP on Rural Development through Technical Institution

29.07.2019 to 02.08.2019

*[Handwritten signature]* 29/7/19

**Dr. J. JAYA**, M.Tech., Ph.D  
PRINCIPAL  
Akshaya College of Engineering And Technology  
Kinathukadavu, Coimbatore - 642 109





**NATIONAL INSTITUTE OF TECHNICAL TEACHERS' TRAINING AND RESEARCH, KOLKATA**

(Established by the Ministry of Human Resource Development, Govt. of India)

Block - FC, Sector - III, Salt Lake City, Kolkata - 700 106

Telephone: (033) 2358-7442 /033-66251901

<http://www.nitttrkol.ac.in/> E-mail: [academic@nitttrkol.ac.in](mailto:academic@nitttrkol.ac.in)/[academicnitttr@yahoo.com](mailto:academicnitttr@yahoo.com)

Dear Sir/Madam,

It is proud privilege to inform you that the Institute has decided to offer programmes on Govt. of India approved project on National Mission on Education through Information & Communication Technology (NME-ICT). Our Institute Programme Calendar 2019-20 hosted it. All Short-Term Training Programme details there, kindly see it. In this line, ensuing programme through NME-ICT (On-line) mode is detailed below:

**Programme Title:** Rural Development through Technical Institution (ICT08)

**Date:** 29/07/2019 to 02/08/2019

**Programme Co-ordinator:** Dr. Uday Chand Kumar  
9875342585, [uckumar@nitttrkol.ac.in](mailto:uckumar@nitttrkol.ac.in)

**Target Group:** Faculty & Technicians of all disciplines

**Programme Objectives:**

After completing the programme, the participants will be able to

- ❖ Understand the history rural development
- ❖ Understand the activities of the various scheme
- ❖ Aware the role of Technical Institution in implementing the various scheme like CDTP, PWD etc.
- ❖ Prepare project report
- ❖ Prepare action plan of the scheme
- ❖ Involve PRI / NGO in implementing the scheme.
- ❖ Procedure of filling the format for getting the CDRT & PWD Scheme.

You are requested to give wide publicity among the intending participants.

Please note that the cost of working lunch and writing pad & pen shall be provided by NITTTR, Kolkata to the participants as per the approved rates given below:

- |    |  |          |
|----|--|----------|
| 1. | Working Lunch (including two refreshments)<br>per participant per day (for 5 days) | Rs. 80/- |
| 2. | Writing pad & pen per participant<br>(Only once in a course)                       | Rs. 25/- |

On successful completion of the programme, Certificates(s) shall be provided to the participants in the standard format (Hard Copy).

In order to process your claim, as stipulated above, which should be addressed to the Director of the Institute. The documentation should be full proof viz., bills, vouchers, should be duly counter signed by the competent authority of your Institute along with feedback form and attendance sheet.

Your kind co-operation is solicited to fill the Registration Sheet attached herewith and be sent per mail to do the needful.

Please note that enrolment in the above mentioned Programme shall be done on 25/07/2019 otherwise not enrolled it.

**Contact Person(s):**

Technical Support -

Administrative Support -

Thanking you.

Mr. Debasish Shaw - 8240355723, [debashis@nitttrkol.ac.in](mailto:debashis@nitttrkol.ac.in)

Mr. Chinmoy Jana - 9007462981, [academic@nitttrkol.ac.in](mailto:academic@nitttrkol.ac.in)

  
**Dr. J. JAYA, M.Tech., Ph.D**  
**PRINCIPAL**  
Akshaya College of Engineering And Technology  
Kinathukadavu, Coimbatore - 642109



**ACADEMIC SECTION**  
**NATIONAL INSTITUTE OF TECHNICAL TEACHERS' TRAINING & RESEARCH**  
 Block - FC, Sector - III, Salt Lake City, Kolkata - 700 106

Prog. Code	:	ICT08
Prog. Title	:	Rural Development through Technical Institution
Prog. Co-ordinator	:	Dr. Uday Chand Kumar
Name of the Instt.	:	AKSHAYA COLLEGE OF ENGINEERING AND TECHNOLOGY
Date	:	From: 29/07/2019 To: 02/08/2019

**ATTENDANCE SHEET**

Sl. No.	Name of the Participants	Dates				
		29/07/2019	30/07/2019	31/07/2019	01/08/2019	02/08/2019
1.	Dr.J.Jaya					
2.	Mr.P.Damodharan					
3.	Mr.V.Mohankumar					
4.	Mrs.C.Nirmala					
5.	Dr.A.AnithaSree					
6.	Mrs.P.Soundraya					
7.	Mrs.R.Sangeetha					
8.	Ms.J.Hemalatha					
9.	Mrs.N.Ravithalakshmi					
10.	Ms.S.Lavitha					
11.	Mrs.E.Lathanayagam					
12.	Mrs.N.Punitha					
13.	Mr.V.Lakshmanan					
14.	Mrs.J.Keerthika					

**Dr. J. JAYA**, M.Tech., Ph.D  
 PRINCIPAL  
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 Kinathukadavu, Coimbatore - 642 109

**Dr. J. JAYA**, M.Tech Ph.D  
 Akshaya College of Engineering And Technology  
 Kinathukadavu Coimbatore - 642 109

Date: .....





## STTP on Rural Development through Technical Institution – A report

STTP on Rural Development through Technical Institution was conducted in our institution from 29-07-2019 to 02-08-2019 for the faculty members. The STTP was organised through online mode by National Institute of Technical Teachers' Training and Research, Kolkata. The resource person was Professor and Head, Civil Engineering, National Institute of Technical Teachers' Training and Research, Kolkata.

The following topics were covered during the session:

1. History of rural development
2. Activities of various schemes
3. Role of Technical Institution in implementing the various scheme like CDTP and PWD
4. Preparing project report
5. Preparing action plan of the scheme
6. Involving PRI / NGO in implementing the scheme
7. Procedures for filling the format for getting the CDRT and PWD scheme
8. Areas of Application of Technology
  - Agriculture
  - Animal
  - Rural and Cottage Industries
  - Health
  - Water minor irrigation
  - Energy
  - Rural Housing
  - Roads and Communication
  - Rural Education
9. The Role of Information and Communications Technologies in Rural Development
10. Challenges Faced by Rural Areas
11. Connecting Energy Access and Rural Development

A total of 14 faculties got benefitted out of this Short Term Training Program. It would help the faculties to know about the rural development schemes.

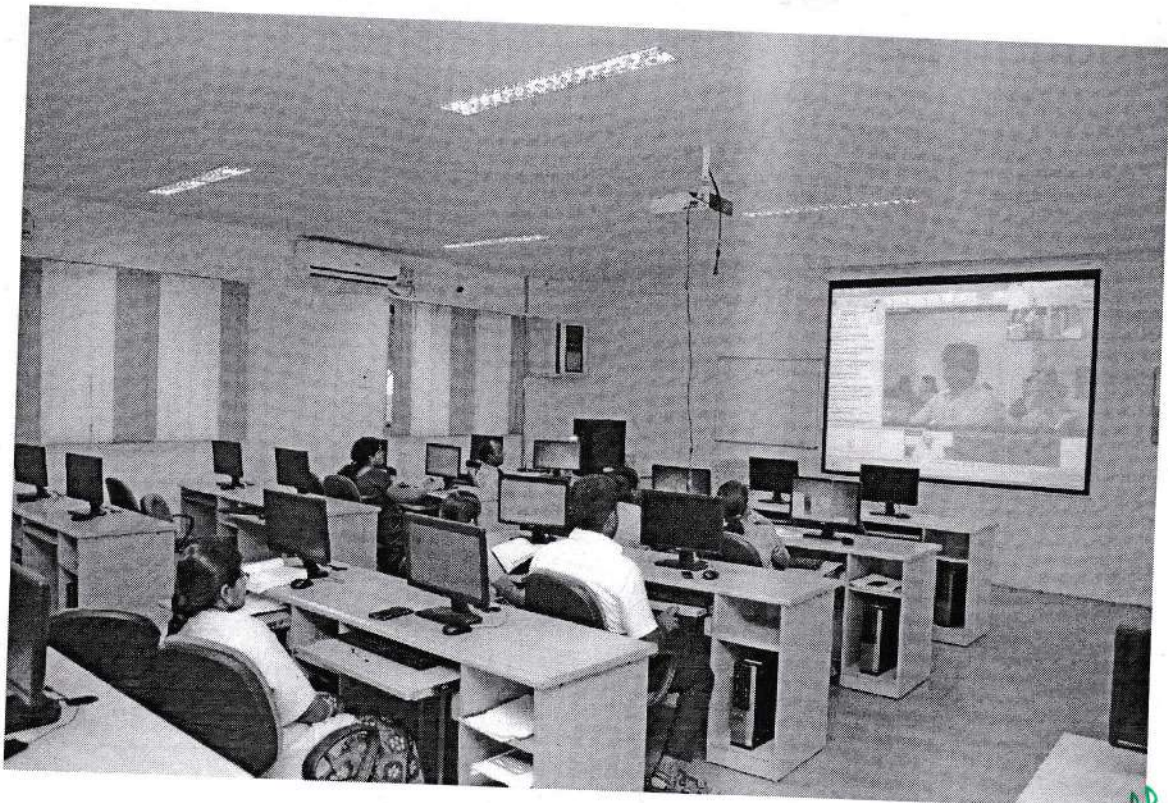
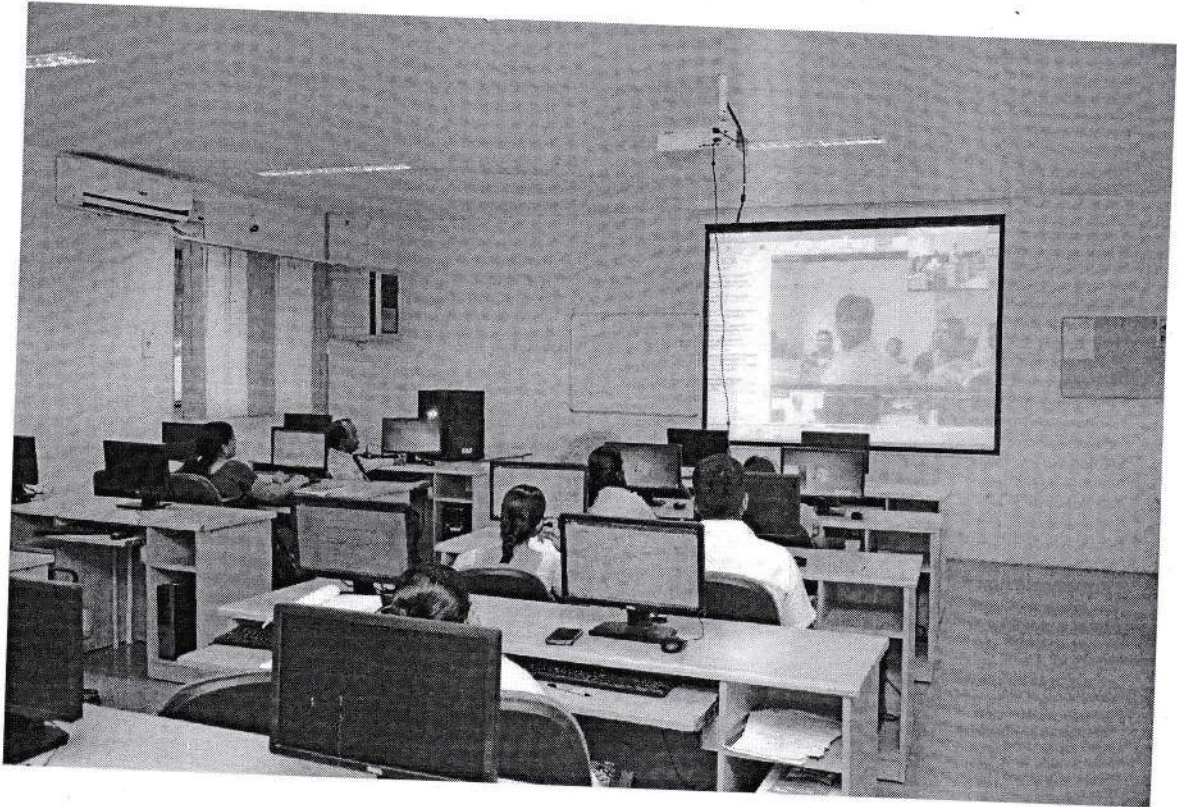
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**Dr. J. JAYA**, M.Tech., Ph.D.  
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## STTP on Rural Development through Technical Institution



*Handwritten signature and date: Jay 5/8/19*  
**PRINCIPAL**  
**Dr. J. JAYA, M.Tech., Ph.D**  
**PRINCIPAL**  
Akshaya College of Engineering And Technology  
Kinathukadavu, Coimbatore - 642 108





# AKSHAYA

COLLEGE OF ENGINEERING AND TECHNOLOGY

Kinathukadavu, Coimbatore - 642 109.

## Department of ECE

The Management, Principal, Staff and Students of our Institution

*Cordially invite you all for the Inauguration of*

**DRDO-NRB SPONSORED**

*National Seminar*

**HYBRID OPTICAL-ACOUSTIC AUTONOMOUS  
UNDERWATER VEHICLES (AUVs)  
SWARMS FOR MARINE ENVIRONMENT MONITORING**

*on Friday, 12 July 2019, at 9:30 a.m.*

*Chief Guest*

**Cmde Ashok Rai**

**Commanding Officer,  
INS Agrani, Coimbatore**

*Guest of Honour*

**Shri Surendra Kumar**

**Assistant Director,  
DRDO - NRB, New Delhi**

**Venue: Conference Hall  
Akshaya College of Engineering and Technology, Coimbatore**

**Dr. J. JAYA, M Tech., Ph D  
PRINCIPAL**

**Akshaya College of Engineering and Technology  
Kinathukadavu, Coimbatore - 642 109**



**REPORT**  
**On**  
**DRDO\_NRB Sponsored**  
**One Day National Level Seminar on**  
**“Hybrid Optical–Acoustic Autonomous Underwater Vehicles (AUVs)**  
**Swarms for Marine Environment Monitoring”**

**Highlights of the Event**

**Preamble:**

The main motto of the programme was to motivate the students to be take part in maritime force. This seminar was exclusive in that it blowouts information from eminent practitioners and professors from Engineering Institutions and collaborate with students from engineering, and science disciplines: researches: entrepreneurs: and research management professionals to communicate across disciplines and move an idea, all the way from basic research to real time application. This seminar serves as the first wave of an outreach program on “Hybrid Optical–Acoustic Autonomous Underwater Vehicles (AUVs) Swarms for Marine Environment Monitoring” for engineering graduates. The graduates has the opportunity to discuss about the various approaches they use on presenting science and technology as well as on creating and sustaining their interests in this fields through various sessions. These sessions encourage the students to showcase their talents to help in the promotion of science and technology, particularly future warfare.

One remarkable experiment in this direction has been the initiative taken by Akshaya College of Engineering and Technology. This seminar has been successfully organised on July 12<sup>th</sup> 2019.

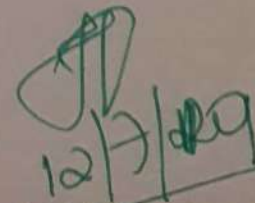
**Inaugural Function:**

- Akshaya College of Engineering and Technology, Coimbatore has organized DRDO-NRB Sponsored-One Day National Seminar On “Hybrid Optical Acoustic Autonomous Underwater Vehicles (AUVs) Swarms for Marine Environment Monitoring” on 12<sup>th</sup> July 2019 at the college Conference Hall by 9.30 am.
- **Principal Dr.J.Jaya**embarked the function with welcome address and encouraged the students to utilize the session.
- **Dean (Academics) Dr.N.Kathiravan**felicitated the gathering.
- **ShriSurendra Kumar, Assistant Director, DRDO-NRB, New Delhi** has enthusiast the gathering with the information on Naval Research Board. He emphasized the Aim, Vision, Mission and future scope of the NRB. He also explained about the core competence of NRB during his speech. In his presentation he explained about the



Thrust Areas like Aeronautics, Armament, Life Science and Navy on which NRB is focusing.

- **The Chief Guest, Cmde Ashok Rai, Commanding Officer, INS Agrani, Coimbatore,** In his inaugural address, motivated the students with his enlightening speech in the topic of "Indian Maritime-Security, India's prosperity and resources, make in India venture and establishment of centres of excellence in university and colleges." In his speech, he highlighted the strategic growth of Technology used in underwater and the increased employability in the present world scenario. He also insisted that students should equip themselves according to the changes in the world.
- In his speech, **Capt. Sunil Balagopal, Master Mariner(FG), Coimbatore Marine College** explained the importance of Swarming, Underwater optical Communication system for Marine Group, relationship between autonomy, sensing, navigation and control on unmanned marine vehicles. He also discussed about underwater acoustic system and explained the developments of AUVs.
- **Thiru KRN Manoj,** Corporate Project manager, SS Techno vision, Coimbatore discussed about High band and high capacity for information transfer underwater, Underwater optical communication links by channel coding, Unmanned underwater vehicle network and also about Robotics in unmanned vehicles
- **Dr.A.Rajendran, Professor, Karpagam College of Engineering** discussed the underwater optical communication link. He advised and motivated the students to build and explore new innovations.
- **Prof.wg.cdr.R.T.Ramanujam(Retd)** motivated the students to be clear in basics of their respective domain and explained the role of total quality management in aviation field. Students interacted with the Guests and all their doubts were clarified by the experts. Around 250 students and faculty members from the parental institution and nearby colleges have attended the programme and benefited maximum.
- The program was a phenomenal success as it concerned with quality education through interaction with navy related resource persons to provide knowledge to the students. They also received participation certificate.
- The vote of thanks was proposed by Dr.S.RBarkunan, Head, Department of Electronics and Communication Engineering and the program successfully ended with the National Anthem.

  
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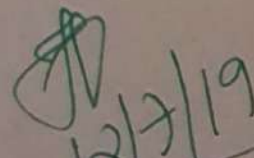
# ANNEXURE II

Detailed programme Schedule with List of Speakers / Invitees

Date : 12.07.2019

Venue : Conference Hall I

S.No.	Sessions	Resource Person	Topics	Time
1	Forenoon	Registration & Inaugural Function		9.30 am to 10.30 am
3		Capt. Sunil Balagopal Coimbatore Marine College	<ul style="list-style-type: none"> <li>Underwater optical communication</li> <li>Underwater Acoustic System</li> <li>Introduction and Development of AUVs</li> </ul>	10.30 am to 11.30 am
		Tea Break		11.30 am To 11.45 am
		Mr. Manoj KRN Corporate Project manager SS Techno vision Coimbatore	<ul style="list-style-type: none"> <li>Robotics</li> <li>Unmanned underwater vehicle network</li> <li>Robotics for unmanned vehicles</li> </ul>	11.45 pm to 12.45 pm
4	Lunch Break			12.45 pm to 01.30 pm
5	Afternoon	Dr. A. Rajendran, Professor, Karpagam College of Engineering	<ul style="list-style-type: none"> <li>Under Water Optical Communication Link</li> </ul>	1.30 pm to 2.30 pm
6		Tea Break		2.30 pm to 2.45 pm
7		Prof. wg. cdr. R. T. Ramanujam (Retd)	<ul style="list-style-type: none"> <li>Navigation</li> <li>Quality Management</li> </ul>	2.45 pm to 3.45 pm
8		Prize Distribution & Valedictory		3.45 pm To 4.15 pm

  
**Dr. J. JAYA**, M. Tech., Ph.D.  
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 Akshaya College of Engineering and Technology



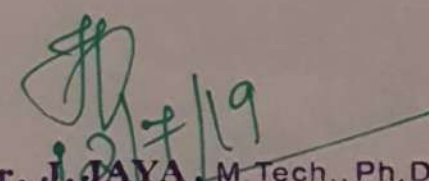
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8		Prize Distribution & Valedictory		3.45 pm To 4.15 pm

  
Dr. J. JAYA, M. Tech., Ph.D.  
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Kinathukadavu, Coimbatore - 642 109



During the inauguration of the program Left to right: Principal Dr.J.Jaya; Thiru KRN Manoj, Corporate Project manager, SS Techno vision, Coimbatore; Capt. Sunil Balagopal, Master Mariner(FG), Coimbatore Marine College; Lieutenant Amritha; Shri Surendra Kumar, Assistant Director, DRDO-NRB, New Delhi; Prof. wg.cdr. R. T. Ramanujam (Retd); Dean (Academics) Dr. N. Kathiravan; Dr. S. R. Barkunan, Head, Department of ECE.



Lighting the Kuthuvilakku



Dr. J. JAYA, M. Tech., Ph.D.  
PRINCIPAL  
Akshaya College of Engineering and Technology  
Methukadavu, Coimbatore - 642 109



**Welcome Address by Dr.J.Jaya, Principal, Akshaya College of Engg. and Tech.**



**Felicitation by Dr.N.Kathiravan, Dean, Akshaya College of Engg. and Tech.**



*80*  
*12/7/19*  
**Dr. J. JAYA, M. Tech., Ph.D.**  
**PRINCIPAL**

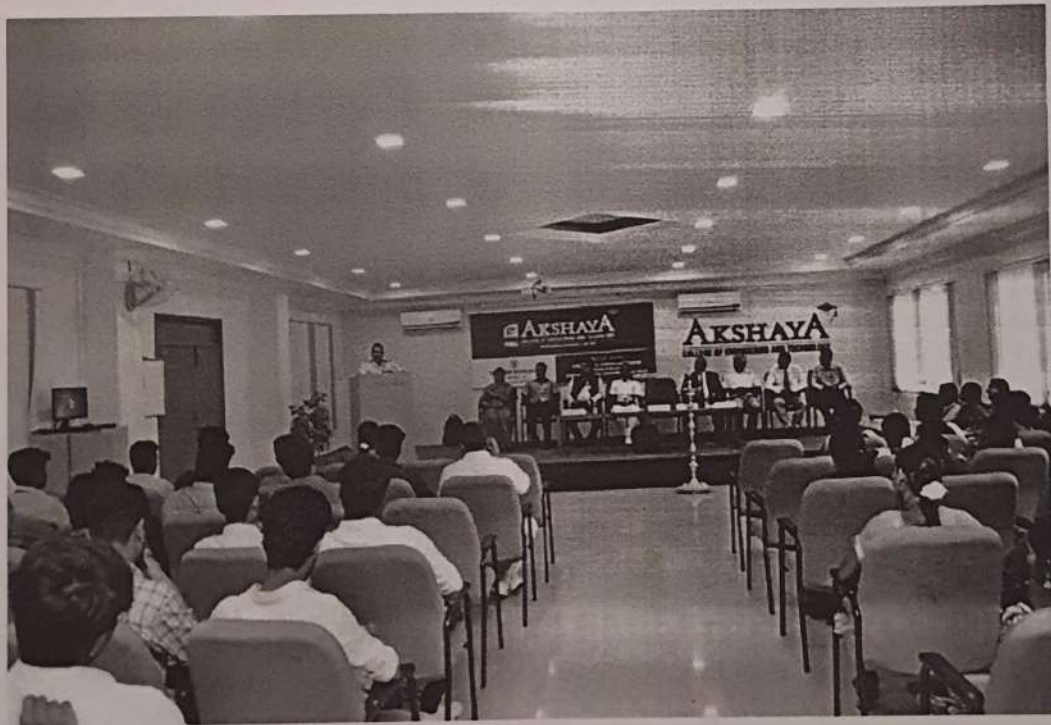
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**Kinathukadavu, Coimbatore - 642 109**



Keynote address by the Chief Guest Cmde. Ashok Rai



Session by speakers



12/3/19  
Dr. J. JAYA, M.Tech., Ph.D.  
PRINCIPAL  
Akshaya College of Engineering and Technology  
Kinathukadavu, Coimbatore - 642 109



### Seminar participants




### Valedictory Function:

During the valedictory session of the event, the participants gave feedback about the seminar and Mr.N.A.Raj Giri, Programme Coordinator, Head International Affairs, Akshaya College of Engineering and Technology, Coimbatore along with Shri Surendra Kumar, Assistant Director DRDO-NRB, New Delhi, gave the participation certificate to participants. The session ends with vote of thanks by Dr.Bargunan, Head of the Department, Electronics and Communication Engineering.

### Outcome:

This seminar serves as the first wave of an outreach program on "Autonomous Underwater Vehicle (AUVs)" for engineering graduates. The graduates has the opportunity to discuss about the various approaches they use on presenting science and technology as well as on creating and sustaining their interest in these fields through various sessions. These sessions encourage the students to showcase their talents to help in the promotion of science and technology, particularly future navy. The entire programme was distinctive in that it blowouts information from eminent researches,

  
**Dr. J. JAYA**, M.Tech., Ph.D.  
PRINCIPAL  
Akshaya College of Engineering and Technology  
Kinathukadavu, Coimbatore - 642 109



professors from Engineering Institutions and collaborate with students from engineering, and science disciplines and move an idea, all the way from basic research to real time production.

At this point I am elucidating some beneficial outcomes of this seminar as follows:

- This seminar fill the gap between engineering and real time environment through understand the principles and problem solving skills of engineering with the technologies used in DRDO Naval Research Board (NRB).
- Participants can identify navy oriented application and the technologies used in sophisticated weapons.
- This seminar provides technological innovations for future maritime force and the significant changes in naval infantry/marine corps. It discussed about research, development, prototyping, test and evaluation, and transfer of technology activities for future maritime force. The strategic offensive role of a navy is projection of force into areas beyond a country's shores (for example, to protect sea-lanes, ferry troops, or attack other navies, ports, or shore installations).
- The strategic defensive purpose of a navy is to frustrate seaborne projection-of-force by enemies. The strategic task of the navy also may incorporate nuclear deterrence by use of submarine-launched ballistic missiles. Naval operations can be broadly divided between revering and littoral applications (brown water navy), open-ocean applications (blue-water navy).

#### Certificate Distribution



*[Handwritten signature]*  
12/7/19  
**Dr. J. JAYA, M.Tech., Ph.D.**  
PRINCIPAL

Akshaya College of Engineering and Technology  
Kinathukadavu, Coimbatore - 642 109



2018-2019



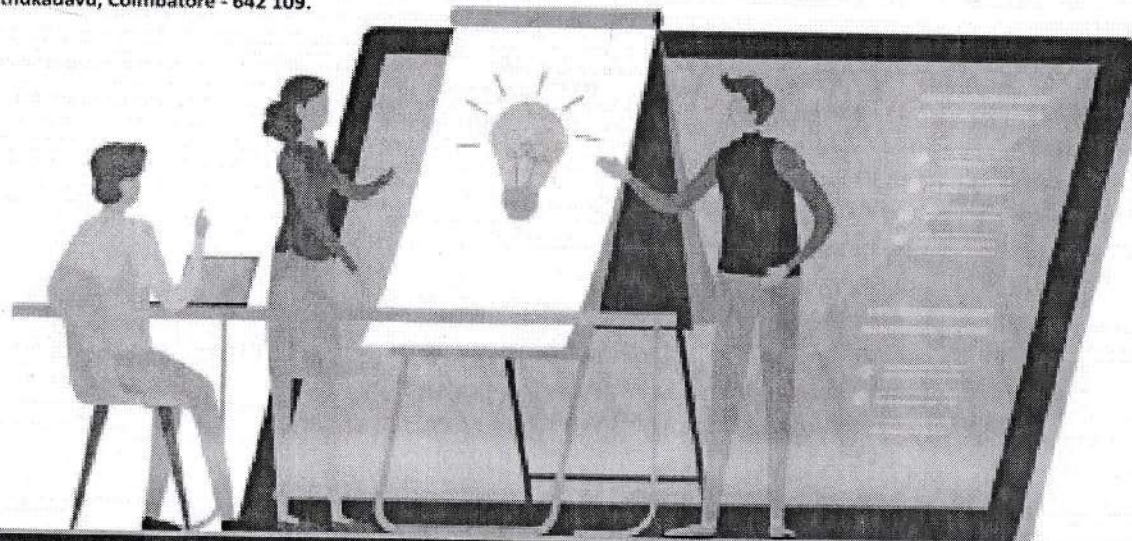
# AKSHAYA

COLLEGE OF ENGINEERING AND TECHNOLOGY

(Approved by AICTE, New Delhi and Affiliated to Anna University, Chennai-AE ISO 9001:2015 Certified Institution)  
Kinathukadavu, Coimbatore - 642 109.



NITTTR Kolkata



## ICT MODE STTP ON NBA ACCREDITATION (ICT01)

22/04/2019 to 26/04/2019

VENUE : LAB 15, R BLOCK

*(Signature)* 22/04/19

**Dr. J. JAYA, M.Tech., Ph.D**  
PRINCIPAL  
Akshaya College of Engineering And Technology  
Kinathukadavu, Coimbatore - 642 109



**ACADEMIC SECTION**  
**NATIONAL INSTITUTE OF TECHNICAL TEACHERS' TRAINING & RESEARCH**  
 Block - FC, Sector - III, Salt Lake City, Kolkata - 700 106

Prog. Code	:	ICT01
Prog. Title	:	NBA Accreditation
Prog. Co-ordinator	:	Dr. Rayapati Subbarao
Name of the Instt.	:	AKSHAYA COLLEGE OF ENGINEERING AND TECHNOLOGY, COIMBATORE
Date	:	From: 22/04/2019 To: 26/04/2019

**ATTENDANCE SHEET**

Sl. No.	Name of the Participants	Dates				
		22/04/2019	23/04/2019	24/04/2019	25/04/2019	26/04/2019
1.	Dr.N.Suguna	W.	W.	W.	W.	W.
2.	Dr.J.Jaya	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
3.	P.Damodharan	P.Dmt	P.Dmt	P.Dmt	P.Dmt	P.Dmt
4.	V.Mohankumar	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
5.	M.Selvaraju	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
6.	K.Thirunavukkarasu	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
7.	D.Gunapriya	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
8.	A.Vidhyasekar	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
9.	C.Nirmala	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
10.	Dr.A.Anithasree	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
11.	P.Soundarya	P.Smt	P.Smt	P.Smt	P.Smt	P.Smt
12.	R.Sangeetha	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
13.	N.Ravithalakshmi	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
14.	S.Lavitha	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
15.	E.Lathanayagam	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
16.	N.Punitha	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
17.	V.Lakshmanan	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
18.	S.Jeevanandham	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
19.	P.Parthasarathi	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
20.	R.Saranya	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
21.	S.Nithyapriya	S.NZ	S.NZ	S.NZ	S.NZ	S.NZ
22.	P.Sowkarthiga	P.1-Sa	P.1-Sa	P.1-Sa	P.1-Sa	P.1-Sa
23.	C.Rajasekar	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
24.	C.Lavanpriya	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]

Date: 26.04.2019



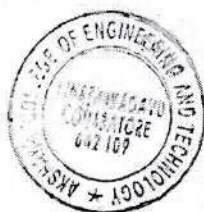
[Signature]  
**DR. J. JAYA, M.Tech., Ph.D.**  
 PRINCIPAL  
 Akshaya College of Engineering and Technology  
 Kinathukadavu, Coimbatore - 642 109



**ACADEMIC SECTION**  
**NATIONAL INSTITUTE OF TECHNICAL TEACHERS' TRAINING & RESEARCH**  
**Block – FC, Sector – III, Salt Lake City, Kolkata – 700 106**

Prog. Code	:	ICT01
Prog. Title	:	NBA Accreditation
Prog. Co-ordinator	:	Dr. Rayapati Subbarao
Name of the Instt.	:	AKSHAYA COLLEGE OF ENGINEERING AND TECHNOLOGY, COIMBATORE
Date	:	From: 22/04/2019 To: 26/04/2019

Sl. No.	Name of the Participants	Dates				
		22/04/2019	23/04/2019	24/04/2019	25/04/2019	26/04/2019
25.	K.Madanmohan					
26.	R.Gokulraju					
27.	K.Vigneshwar					
28.	N.Dhamodharan					



**Dr. J. JAYA, M Tech Ph D**  
**PRINCIPAL**  
**Akshaya College of Engineering and Technology**  
**Kinathukadavu Coimbatore - 642 109**

Date: 26/04/2019

Signature of the Co-ordinator





## ICT Mode STTP on NBA Accreditation (ICT01) – A report

'STTP on NBA Accreditation', was conducted by was conducted by our institution from 22-04-2019 to 26-04-2019 for the faculty members. The program was conducted in association with ICT ACADEMY. The resource person was Dr.Rayapati Subbarao, Associate Professor, Mechanical Engineering, NITTTR Kolkata .

The following topics were covered during the training session:

1. Need for accreditation and its main purpose
2. Identify the Impact of NBA Accreditation
3. Benefits of accreditation to the Institute
4. Role of NBA accreditation in facilitating constant quality improvement in Engineering Education Institutes
5. Parameters, criteria and proforma for institutional accreditation
6. Prepare Vision, Mission, Program Educational Objectives
7. major steps involved in accreditation procedure
8. Process of preparing self assessment report (SAR) for Accreditation by NBA
9. readiness for the visit by the Accreditation committee
10. Practice Criteria i to x

Dr.Rayapati Subbarao answered all the doubts raised by the participants and made them aware that having the NBA accreditation will be a major achievement for any institute and one can achieve it with proper planning and execution

A total of 28 faculties got benefitted out of this Short Term Training Program. It would help the faculties to understand the concept and process of NBA accreditation.

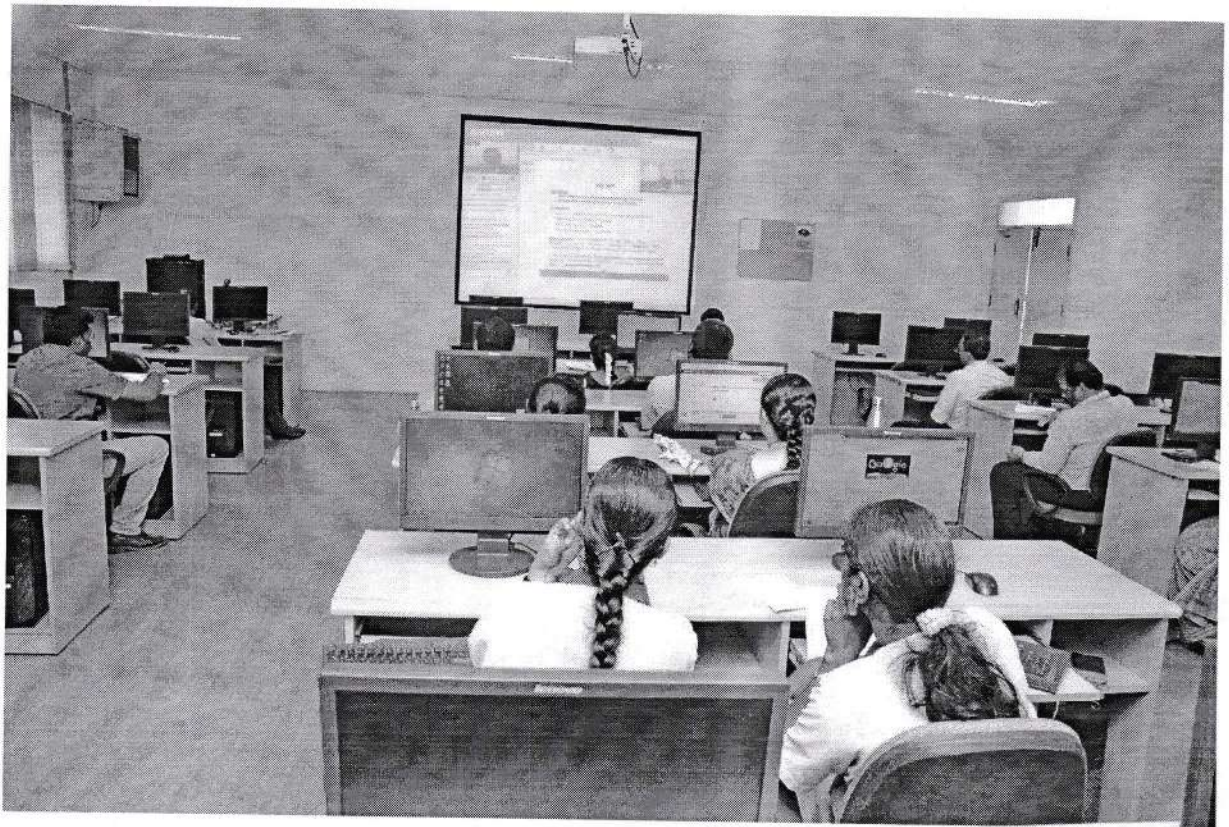
  
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Kinathukadavu, Coimbatore - 642109



**ICT Mode STTP on NBA Accreditation (ICT01)**



*[Signature]* 29/6/19  
PRINCIPAL  
**Dr. J. JAYA, M.Tech., Ph.D.**  
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2017-2018

 **AKSHAYA**  
COLLEGE OF ENGINEERING AND TECHNOLOGY  
Kinathukadavu, Coimbatore - 642 109

Date : 22.06.2017 & 23.06.2017  
Venue: Conference Hall-1, ACET

*The Management and Principal invite all the HODs & Faculty members for the*  
**Faculty Development Program**  
**Smart Guruz**

 *Chief Guest*  
**Thiru S. Pugazhendhi**  
Founder & Chairman of Badhi Garden School, Pondicherry  
Life skill coach



**Dr. J. JAYA** M.Tech. Ph.D  
**PRINCIPAL**  
Akshaya College of Engineering And Technology  
Kinathukadavu, Coimbatore - 642 109



### **FACULTY DEVELOPMENT PROGRAMME ON SMART GURUZ - A REPORT**

Akshaya College of Engineering and Technology conducted a two-day faculty development programme on the topic "Smart Guruz", on 22.06.2017 & 23.06.2017 in Conference Hall 1. The Chief Guest of the day was Thiru. Pugazhendhi, Founder & Chairman, Bodhi Garden School, Pondicherry, the programme was started at 09.15am. Dr.N.Suguna , Joint-Director welcomed the gathering. Prof. S.Gladwin Moses, Head of the Department, department of Electronics and Communication Engineering introduced the resource person to the gathering.



#### **Brief Profile of the Chief Guest:**

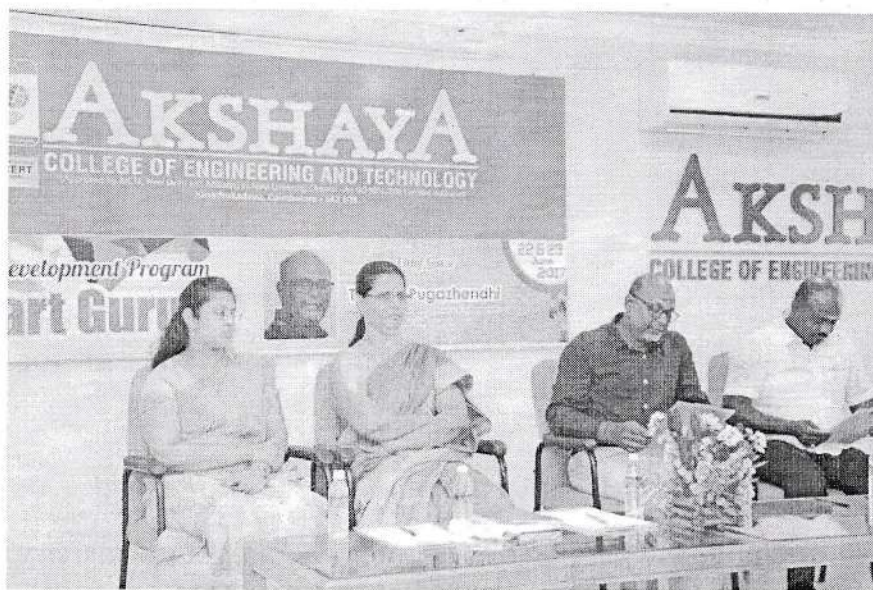
Our guest is a versatile man. He is a Motivational speaker for Interactors, Rotaractors & RCC. He is a life skill coach for students, teachers, consultants, professionals, business persons, entrepreneurs for their personality developments, Work place competency building by conducting programs for firms/small & medium business, handwriting development programs for school children, Stress Management, increasing human values, Interviews/group discussions skills development. His role extends as handwriting development trainer for more than 1,25,000 students in India and in Andaman & Nicobar Islands till date, work place



competency building program trainers for firms/small & medium business for more than 300 concerns, trainer for more than 5000 on entrepreneurship development programs and also for more than 30,000 teachers of school and colleges on creative teaching. Our guest is also a dynamic researcher in the areas like Entrepreneurship, Knowledge Centers, Value Living, Relationships and its secrets, Central values Personality –in its broad spectrum, Value living Friendship –uncovered Emotional values, Class room Management for teachers, Digital divide to digital provide, Values of next sense and so on.

While addressing the gathering, our guest said, being smart guruz is not an easy job. This FDP was designed to enhance the teaching and other skills of the faculties. And also how to handle the students smartly with modern teaching tools and methodologies. The faculty members enjoyed the way of his approach that upgrade them in the relevant fields. He also insisted that, faculty members should promote the professional practices to technical education to achieve competitive teaching and learning environment. His speech encouraged the faculty members and many activities were conducted to enhance them.

Dr.J.Jaya, Principal proposed the Vote of Thanks. The programme lasted for two days and 96 faculty members participated in the programme.



Thiru. Pugazhendhi, Founder & Chairman, Bodhi Garden School, Pondicherry addressed the faculty members on 22.07.2017 & 23.07.2017

  
**Dr. J. JAYA, M.Tech., Ph.D**  
PRINCIPAL  
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Kinathukadavu, Coimbatore - 642109





2016-2017  
**AKSHAYA**

**COLLEGE OF ENGINEERING AND TECHNOLOGY**  
(Approved by AICTE, New Delhi and Affiliated to Anna University, Chennai - An ISO 9001:2008 Certified Institution)

**Kinathukadavu, Coimbatore - 642 109.**

The Management, Principal, Staff and Students of our Institution

*Cordially invite you for the*

**Four Days Faculty Empowerment Programme with**

*Hands on Workshop on*

**ANALOG, POWER, EMBEDDED AND WIRELESS (IoT) SYSTEMS**

**on Tuesday, 21<sup>st</sup> June 2016, at 09.00 am**

*Sponsored by*

**Texas Instruments, TI University Program**

*in Collaboration with*

**Texas Instruments, Bangalore &**

**STEPS Knowledge Services Pvt. Ltd., Coimbatore**

*Chief Guest*

**Mrs. N. KAVITHA**

**Technical Director, STEPS Knowledge Services Pvt. Ltd., Coimbatore**

*Guest of Honour*

**Mr. V.S. RAMESH**

**Director, STEPS Knowledge Services Pvt. Ltd., Coimbatore**

**Dr. J.JAYA**  
Principal

**Dr. N.SUGUNA**  
Joint Director

**Dr. K. THANUSHKODI**  
Director

**Thiru P. RANGARAJ**  
Trustee

*With the Blessings and August Presence of*

**Thiru K. Pavithran**  
Secretary

**Thiru T. Subramaniyan**  
Chairman

**Thiru A. Nagarasan**  
Managing Trustee

**Venue: Conference Hall-2**

**Akshaya College of Engineering and Technology**

Handwritten signature and date: 20/6/16





# AKSHAYA

## COLLEGE OF ENGINEERING AND TECHNOLOGY

(Approved by AICTE, New Delhi and Affiliated to Anna University, Chennai - An ISO 9001:2008 Certified Institution)  
Kinathukadavu, Coimbatore - 642 109.

Dr.J.Jaya, M.Tech., Ph.D  
Principal

25.06.16

**"FOUR DAYS FACULTY EMPOWERMENT PROGRAMME WITH HANDS ON WORKSHOP ON ANALOG, POWER, EMBEDDED AND WIRELESS (IoT) SYSTEMS" AT AKSHAYA COLLEGE OF ENGINEERING AND TECHNOLOGY**

The Department of Electronics and Communication Engineering of Akshaya College of Engineering and Technology organized **"FOUR DAYS FACULTY EMPOWERMENT PROGRAMME WITH HANDS ON WORKSHOP ON ANALOG, POWER, EMBEDDED AND WIRELESS (IoT) SYSTEMS"** - SPONSORED BY TEXAS INSTRUMENTS, TI UNIVERSITY PROGRAM in collaboration with Texas Instruments, Bangalore and Steps Knowledge Services Pvt Ltd, Coimbatore for the faculty members from 21.06.2016 to 24.06.2016 in the Texas Instruments Innovation Lab at the college premises.

The event took place in the august presence of Managing Trustee Thiru A. Nagarasan, Chairman Thiru T. Subramaniyan, Secretary Thiru K. Pavithran, Trustee Thiru P. Rangaraj, Director Dr. K. Thanushkodi, Joint Director Dr. N. Suguna, Principal Dr. J. Jaya and Prof. Dr. K. Sivasankari, HoD, Department of Electronics and Communication Engineering. The Chief guest and the Guest of honour of the event were Tmt .N. Kavitha, Technical Director, STEPS Knowledge Services Pvt Ltd and Thiru V.S. Ramesh, Director, STEPS Knowledge Services Pvt Ltd.

Dr. J. Jaya, Principal, Akshaya College of Engineering and Technology delivered the welcome address, in which she briefed about the objective of Faculty Empowerment Programme.

Dr. K. Thanushkodi, Director, Akshaya College of Engineering and Technology delivered the Presidential Address. He advised the faculty members to utilize this programme for their technological advancements especially in the core area of embedded systems.

Dr. J. JAYA, M.Tech. Ph.D

PRINCIPAL

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Email ID: info@acetcbe.edu.in

Website: www.acetcbe.edu.in

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Kinathukadavu, Coimbatore - 642 109





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Prof.S.Madhavapandian, HoD/Department of EEE introduced the Guests to the gathering. The honorable chief guest of the event, Tmt.N.Kavitha, Technical Director, STEPS Knowledge Services Pvt Ltd, Coimbatore delivered the inaugural address. Her speech gave confidence that at the end of the programme, the participants can develop their own projects using MSP 430.

The Guests and Trainers from STEPS Knowledge Services Pvt Ltd, Coimbatore, handled theory and practical sessions on the topics of MSP430. They trained the faculty members by explaining the basic concepts of Embedded systems, Architecture of MSP430, Analog, power, I/O ports configuration, Interfacing of LEDs, Switches, 7-segment display, LCD and Timers with interrupts, IoT and also they facilitated the faculty members to write their programs and do the projects by using MSP430 on their own. The goal of this FEP was to make a project on real time application and automation system. The faculty members got brainstorming experience about the recent trends in embedded systems and Wireless (IoT) Systems.

The main aim of this Faculty Empowerment Programme is deeply concerned with the commitment of moulding the faculty members. Nearly 50 faculty members from various engineering colleges of Tamilnadu, Andrapradesh and Kerala participated in the same. The programme ended with a vote of thanks delivered by Prof. Dr. K.Sivasankari, HoD, Department of Electronics and Communication Engineering, Akshaya College of Engineering and Technology.

Queries from the faculty members were clarified. All the participants received participation certificates and take away kits.

Dr. J. JAYA, M.Tech Ph.D

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Website : [www.acetcbe.edu.in](http://www.acetcbe.edu.in) Akshaya College of Engineering and Technology  
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**"FOUR DAYS FACULTY EMPOWERMENT PROGRAMME WITH  
HANDS ON WORKSHOP ON ANALOG, POWER, EMBEDDED AND  
WIRELESS (IoT) SYSTEMS" AT AKSHAYA COLLEGE OF ENGINEERING AND  
TECHNOLOGY**



Dr.K.Thanushkodi, Director, delivering the Presidential Address in the Inauguration of  
**"FOUR DAYS FACULTY EMPOWERMENT PROGRAMME WITH HANDS ON  
WORKSHOP ON ANALOG, POWER, EMBEDDED AND WIRELESS (IoT) SYSTEMS" at  
Akshaya College of Engineering and Technology**

**Chief Guest Tmt .N.Kavitha, Technical Director, STEPS Knowledge Services Pvt  
Ltd, Guest of Honour Thiru V.S. Ramesh , Director, STEPS Knowledge Services  
Pvt Ltd, Trustee Thiru P.Rangaraj, Director Dr.K.Thanushkodi, Joint Director Dr.N.Suguna,  
Principal Dr.J.Jaya and Prof. Dr. K.Sivasankari, HoD, Department of Electronics and  
Communication Engineering.**

**Dr. J. JAYA, M.Tech Ph.D**

**PRINCIPAL**

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Website : www.acetcbe.edu.in





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Kumbakonam, Coimbatore - 642 319.

Four Days Faculty Empowerment Programme with

Texas Instruments, TI University Program

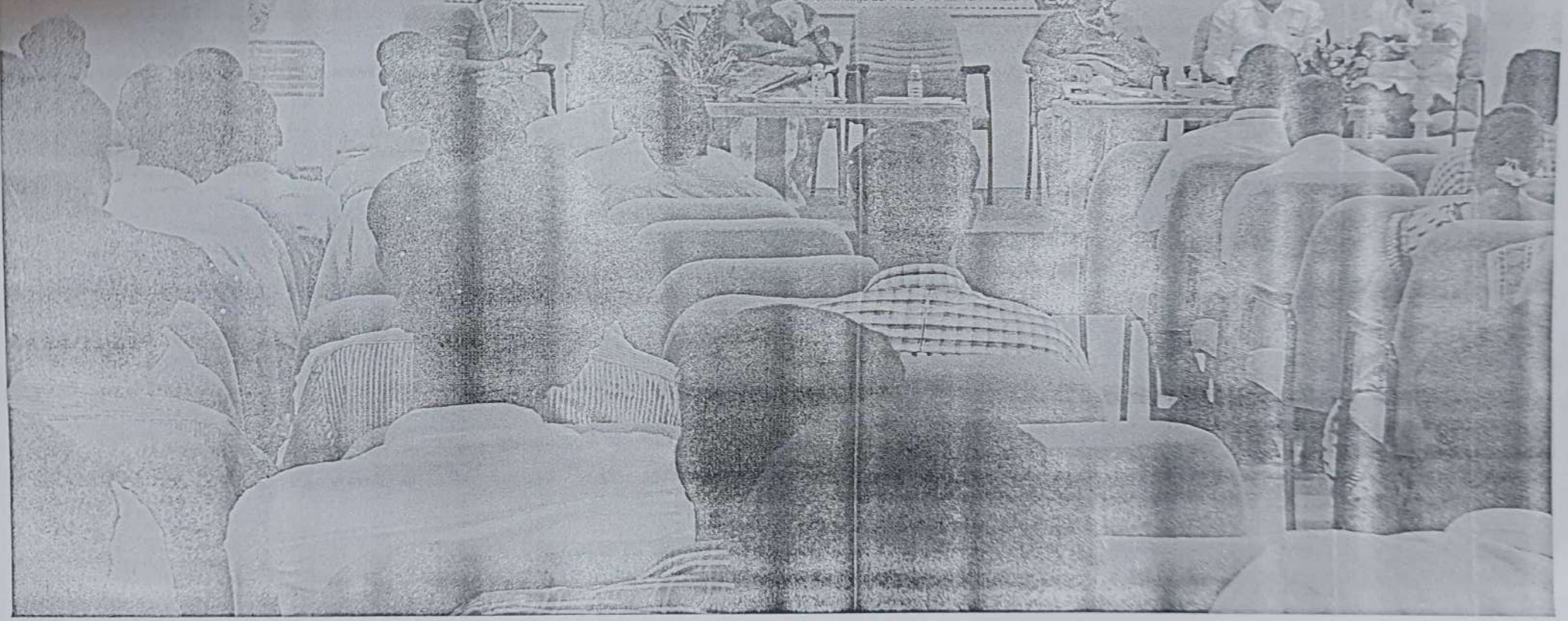
ANALOG, POWER & EMBEDDED  
AND WIRELESS SYSTEMS

Texas Instruments, Bangalore &  
Knowledge Services Pvt. Ltd. Coimbatore

21-24  
JUNE  
201

# AKSHA

COLLEGE OF ENGINEERING AND







# AKSHAYA

## COLLEGE OF ENGINEERING AND TECHNOLOGY

(Approved by AICTE, New Delhi and Affiliated to Anna University, Chennai - An ISO 9001:2008 Certified Institution)  
Kinathukadavu, Coimbatore - 642 109.

முனைவர் ஜெ.ஜெயா, M.Tech., Ph.D  
முதல்வர்

25.06.2016

அக்ஷயா பொறியியல் தொழில்நுட்பக் கல்லூரியில்

“ஆசிரியர் திறன் மேம்பாட்டுத் திட்டம்”

கோவை மாவட்டம் கிணத்துக்கடவில் அமைந்துள்ள அக்ஷயா பொறியியல் தொழில்நுட்ப கல்லூரியில் மின்னணுவியல் மற்றும் தொடர்பியல் துறையின் சார்பாக டெக்சாஸ் இன்ஸ்ட்ருமென்ட்ஸ், TI யுனிவர்சிட்டி ப்ரோகிராம் (TEXAS INSTRUMENTS ,TI UNIVERSITY PROGRAM) மற்றும் ஸ்டெப்ஸ் நாலேஜ் சர்வீசஸ் பிரைவேட் லிமிடெட் (STEPS KNOWLEDGE SERVICES PVT LTD) இணைந்து வழங்கிய நான்கு நாட்களுக்கான ஆசிரியர் திறன் மேம்பாட்டுத் திட்டம் “அனலாக், பவர், எம்பீட்ட மற்றும் ஓயர்லஸ்(IoT) சிஸ்டம்ஸ்” என்னும் தலைப்பில் 21.06.2016 முதல் 24.06.2016 வரை கல்லூரி வளாகத்தில் அமைந்துள்ள எம்பீட்ட சிஸ்டம் ஆய்வுக்கூடத்தில் (Texas Instruments Innovation Lab) நடைபெற்றது.

துவக்க விழாவில் கல்லூரியின் நிர்வாக அறங்காவலர் திரு.அ.நாகராசன், தலைவர் திரு.தி.சுப்ரமணியன், செயலாளர் திரு. கு.பவித்ரன், அறங்காவலர் திரு.ப.ரங்கராஜ், இயக்குநர் முனைவர் கெ.தனுஷ்கோடி, இணை இயக்குநர் முனைவர் ந.சுகுணா, கல்லூரி முதல்வர் முனைவர் ஜெ.ஜெயா மற்றும் பேராசிரியர் முனைவர் கி.சிவசங்கரி, துறைத்தலைவர், மின்னணுவியல் மற்றும் தொடர்பியல் துறை, அனைத்து துறைத்தலைவர்கள் மற்றும் ஆசிரியர்கள் கலந்து கொண்டனர். மேலும் இந்நிகழ்ச்சியில் சிறப்பு விருந்தினராக திருமதி N கவிதா, தொழில்நுட்ப இயக்குனர், ஸ்டெப்ஸ் நாலேஜ் சர்வீசஸ் பிரைவேட் லிமிடெட், கோயமுத்தூர் மற்றும் கௌரவவிருந்தினராக திரு V.S.ரமேஷ், இயக்குனர், ஸ்டெப்ஸ் நாலேஜ் சர்வீசஸ் பிரைவேட் லிமிடெட், கோயமுத்தூர் ஆகியோர் கலந்து கொண்டனர்.

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# AKSHAYA

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Kinathukadavu, Coimbatore - 642 109.

இவ்விழாவில் கல்லூரி முதல்வர் முனைவர் ஜெ.ஜெயா வரவேற்புரை வழங்கினார். கல்லூரியின் இயக்குநர் முனைவர் கெ.தனுஷ்கோடி அவர்கள் தலைமையுரை ஆற்றினார். மேலும் தமது உரையில் ஆசிரியர்கள் இந்நிகழ்ச்சியின் மூலம் தங்களது தொழில்நுட்ப திறன்களை மெருகேற்றிக் கொள்ளுமாறு அறிவுறுத்தினார்.

அக்ஷயா கல்லூரியின் மின்னியல் மற்றும் மின்னணுவியல் துறைத்தலைவர் பேராசிரியர் S.மாதவபாண்டியன் விருந்தினர்களை அனைவருக்கும் அறிமுகம் செய்து வைத்தார். சிறப்பு விருந்தினரான திருமதி N கவிதா, தொழில்நுட்ப இயக்குனர், அவர்கள் இந்நிகழ்ச்சியின் பயன்பாடுகள் பற்றியும் நான்கு நாட்கள் நடக்கும் ஆசிரியர் திறன் கூட்டுப்பயிற்சியின் முடிவில் ஒவ்வொரு ஆசிரியரும் சுயமாக MSP430 செயற்திட்டங்களை (Projects) செய்யமுடியும் எனவும் உறுதி அளித்தார்.

இந்த பயிற்சி வகுப்பில் மாணவர்கள் எல்எடி (LED), மின்விசை (Switch), ஒலிப்பி (Buzzer), இலக்கியல் விவரத்தின் மூலம் நேரம் அளவிடல்(Digital clock display), எல்சிட் (LCD), ஏடிசி உணர்விகள் (ADC Sensors),தொடர்பு நெறிமுறை யுஎஸ்எஆர்டி (USART), எஸ்பிஐ (SPI), பிடபிள்யுஎம் மோட்டார் கட்டுப்பாடு (PWM Motor Control) போன்ற சிறிய செயற்திட்டங்களை (Mini project) கல்லூரியில் நிறுவப்பட்டுள்ள எம்பீட்டட் சிஸ்டம் ஆய்வுக்கூடத்தில் (Texas Instruments Innovation Lab) செய்து பயன்பெற்றனர்.

Dr. J. JAYA, M.Tech Ph.D

PRINCIPAL

Akshaya College of Engineering and Technology

Kinathukadavu, Coimbatore - 642 109





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அக்ஷயா பொறியியல் தொழில்நுட்பக் கல்லூரியில்

"ஆசிரியர் திறன் மேம்பாட்டுத் திட்டம்"



அக்ஷயா பொறியியல் தொழில்நுட்பக் கல்லூரியில் நடைபெற்ற "அனலாக், பவர், எம்பீட்டட் மற்றும் ஓயர்லஸ்(IoT) சிஸ்டம்ஸ்" என்னும் ஆசிரியர் திறன் மேம்பாட்டு திட்ட நிகழ்வின் துவக்க விழாவில் கல்லூரியின் இயக்குநர் முனைவர் கெ.தனுஷ்கோடி அவர்கள் தலைமையுரை ஆற்றுகிறார்.

சிறப்பு விருந்தினர் திருமதி N கவிதா, தொழில்நுட்ப இயக்குனர், ஸ்டெப்ஸ் நாலேஜ் சர்வீஸ் பிரைவேட் லிமிடெட், கோயமுத்தூர், கௌரவவிருந்தினர் திரு V.S.ரமேஷ், இயக்குனர், ஸ்டெப்ஸ் நாலேஜ் சர்வீஸ் பிரைவேட் லிமிடெட், கோயமுத்தூர், கல்லூரியின் அறங்காவலர் திரு.பரங்கராஜ், இயக்குநர் முனைவர் கெ.தனுஷ்கோடி, இணை இயக்குநர் முனைவர் ந.சுகுணா, கல்லூரி முதல்வர் முனைவர் ஜெ.ஜெயா மற்றும் பேராசிரியர் முனைவர் கி.சிவசங்கரி, துறைத்தலைவர், மின்னணுவியல் மற்றும் தொடர்பியல் துறை.

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இந்நிகழ்ச்சியின் முக்கியக் குறிக்கோளானது தரமான கல்வியை மாணவர்களுக்கு சிறப்பாக வழங்க ஆசிரியர்களுக்கு பயிற்சி அளிப்பதாகும். சுமார் 50 ஆசிரியர்கள் தமிழ்நாடு, ஆந்திரா மற்றும் கேரள மாநிலங்களை சார்ந்த பல்வேறு பொறியியல் கல்லூரிகளிலிருந்து வந்து பங்கு பெற்றனர். நிகழ்ச்சியின் நிறைவாக மின்னணுவியல் மற்றும் தொடர்பியல் துறைத்தலைவர் பேராசிரியர் முனைவர் கி.சிவசங்கரி நன்றியுரை வழங்கி இனிதே நிறைவு செய்தார்.

இந்த பயிற்சி வகுப்பில் ஆசிரியர்களின் அனைத்து சந்தேங்களுக்கும் பதிலளிக்கப்பட்டது மற்றும் பங்குபெற்ற அனைத்து ஆசிரியர்களுக்கும் சான்றிதழ்கள், MSP430, IoT செய்முறை உபகரணங்கள் வழங்கப்பட்டன.

**Dr. J. JAYA, M.Tech Ph.D**  
PRINCIPAL

Akshaya College of Engineering and Technology  
Kinathukadavu, Coimbatore - 642 109







Department of Electronics and Communication Engineering  
*in jointly with*

Texas Instruments &  
**STEPS Knowledge Services PVT LTD**

*Faculty Development Programme on*  
**IoT Applications using TI CC 3200**  
*09.12.2016 to 14.12.2016*

  
7/12/16

**Dr. J. JAYA**, M Tech, P.E.  
**PRINCIPAL**  
Akshaya College of Engineering And Technology  
Kinathukadavu, Coimbatore - 642 109





## Department of Electronics and Communication Engineering

### Hands on Training on “ IOT Applications using TI CC3200” – A Report

The Department of Electronics and Communication Engineering of Akshaya College of Engineering and Technology organized hands on training program on “**IOT Applications using TI CC3200**” for the faculty members from 09.12.2016 to 14.12.2016 in the Texas Instruments Innovation Lab at the college premises.

The event took place in the august presence of Managing Trustee Thiru A.Nagarasan, Chairman Thiru T.Subramaniyan, Secretary Thiru K.Pavithran, Trustee Thiru P.Rangaraj, Joint Director Dr.N.Suguna, Principal Dr.J.Jaya, Prof S.Gladwin Moses Stephen, HoD, Department of Electronics and Communication Engineering and the Chief Guest Thiru V.S. Ramesh, Director, STEPS Knowledge Services Pvt Ltd.

Trainers from STEPS Knowledge Services Pvt Ltd Coimbatore gave a prelude on the topic of Embedded System Design and the use of CC3200 Processor. They trained the faculties by explaining the use of Code Composer Studio, TeraTerm and Energia IDE software for simulation of CC3200 Processor and PROTEUS tool suite. The goal of these hands on training was to make a project on Embedded System based Automation System. The faculties got an exposure about the recent trends on Embedded System Design.

The Trainers from STEPS Knowledge Services Pvt Ltd, Coimbatore, handled theory and practical hands-on sessions on the topic of Internet of Things and Embedded Systems Design. In this session faculties did mini projects on Internet of Things and Embedded Systems Design in the **Texas Instruments Innovation Lab** at the college premises.

Nearly, four faculty members from Electronics and Communication Engineering Department benefited from the training.

All the participants received participation certificates. The queries from the faculties were clarified and they gave very good feedback about the program.



**Dr. J. JAYA, M Tech., Ph D**  
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Kinathukadavu, Coimbatore - 642 109.

Chief Guest

**Prof. R. Surendran**



Department of Mechanical Engineering  
Government College of Technology, Coimbatore

## ANNA UNIVERSITY APPROVED SEVEN DAYS FOTP ON CE6306 STRENGTH OF MATERIALS

Date : 06.06.2016 to 12.06.2016

Venue: Conference Hall-2, ACET

*Handwritten signature and date: 3/6/16*

**Dr. J. JAYA, M.Tech., Ph.D.**  
PRINCIPAL

Akshaya College of Engineering And Technology  
Kinathukadavu, Coimbatore - 642 109



**Dr. J. JAYA. M. Tech, PhD**  
**Principal**



**17.06.2016**

TO

**The Director**  
Center For Faculty Development,  
Anna University,  
Chennai-25.

Respected Sir,

**Sub:** Submission of FDTP documents - Reg.

**Ref:-** letter No :22/CFD/Summer/FDTP/Affiliated/2016-33 Dt: 20.04.2016


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Herewith we are submitting the documents of Anna University approved seven days Faculty Development Training Program on "STRENGTH OF MATERIALS" from 06.06.2016 to 12.06.2016 (one page report, list of faculty experts, program schedule, Original Attendance Sheet, program CD's & participants feedback). This is for your kind reference.

Thanking you,

**Encl:**

1. One page report
2. List of Faculty Experts
3. Program Schedule
4. Original attendance sheet
5. Program CD
6. Participants Feedback Form

  
**Dr. J. JAYA, M Tech, Ph D**  
PRINCIPAL  
Akshaya College of Engineering And Technology  
Kinathukadavu Coimbatore - 642 109





# AKSHAYA

COLLEGE OF ENGINEERING AND TECHNOLOGY

Kinathukadavu, Coimbatore 642 109

## SCHEDULE OF TRAINING PROGRAMME DEPARTMENT OF MECHATRONICS ENGINEERING

### FDTP SUMMER 2016 – CE6306 STRENGTH OF MATERIALS - SCHEDULE

Date (Day)	Session I 09.00 AM to 10.30 AM	Session II 11.00 AM to 12.15 PM	Session III 01.30 PM to 03.00 PM	Session IV 03.15 PM to 04.45 PM
06.06.2016 (Monday)	INAUGURATION Prof.R.Surendran Department of Mechanical Engineering GCT,Coimbatore.	Introduction about Strength of Materials Prof.R.Surendran Department of Mechanical Engineering GCT,Coimbatore	Stress, Strain and Deformation of Solids – Rigid bodies and deformable solids – Tension, Compression and Shear Stresses – Deformation of simple and compound bars Prof.R.Surendran Department of Mechanical Engineering GCT,Coimbatore.	
07.06.2016 (Tuesday)	Stresses in Beam – Theory of simple bending– bending stress distribution – Load carrying capacity – Proportioning of sections – Flitched beams – Shear stress distribution.- Dr.R.Balamurugan Department of Civil Engineering IRTT,Erode		Transverse Loading on Beams – Beams – types transverse loading on beams – Shear force and bending moment in beams – Cantilevers – Simply supported beams and over – hanging beams. Prof.R.GokulRaju Department of Mechatronics Engineering ACET,Coimbatore.	
08.06.2016 (Wednesday)	Deflection of Beams- Double Integration method – Macaulay's method – Area moment method for computation of slopes and deflections in beams Dr.R.Ramadevi Department of civil Engineering KCT,Coimbatore		Torsion - Torsion formulation stresses and deformation in circular and hollows shafts – Stepped shafts– Deflection in shafts fixed at the both ends Prof.V.Mohankumar Department of Mechatronics Engineering ACET,Coimbatore.	
09.06.2016 (Thursday)	Torsion – Stresses in helical springs – Deflection of helical springs, carriage springs. Dr.K.Samathkumar Department of Civil Engineering TNCET,Coimbatore		Deformation of Solids – Thermal stresses – Elastic constants – Volumetric strains –Stresses on inclined planes – principal stresses and principal planes – Mohr's circle of stress. Prof.K.Madanmohan Department of Mechatronics Engineering ACET,Coimbatore.	
10.06.2016 (Friday)	Deflection of Beams – Conjugate beam and strain energy – Maxwell's reciprocal theorems. Dr.R.Rameshkumar Department of Mechanical Engineering KSRCE,Erode		Thin Cylinders, Spheres and Thick Cylinders – Stresses in thin cylindrical shell due to internal pressure circumferential and longitudinal stresses and deformation in thin and thick cylinders Prof.M.Selvaraju Department of Mechanical Engineering ACET,Coimbatore.	
11.06.2016 (Saturday)	Thin Cylinders, Spheres and Thick Cylinders – spherical shells subjected to internal pressure – Deformation in spherical shells – Lamé's theorem. Prof.S.Kalidas Department of Mechatronics Engineering ACET,Coimbatore.		Recent Advances in Strength of Materials Prof.K.Thirunavukarasu Department of Civil Engineering ACET,Coimbatore	Assignment Session – Seminars and Question Preparations Prof.K.Thirunavukarasu Department of Civil Engineering ACET,Coimbatore
12.06.2016 (Sunday)	PRACTICAL SESSION IN STRENGTH OF MATERIALS LABORATORY			



**FACULTY DEVELOPMENT TRAINING PROGRAMME ON CE6306 STRENGTH OF MATERIALS AT AKSHAYA COLLEGE OF ENGINEERING AND TECHNOLOGY**

The Faculty Development Training Programme (FDTP) approved by Anna University, Chennai organized by the Department of Mechatronics Engineering of Akshaya College of Engineering and Technology, Coimbatore, on "STRENGTH OF MATERIALS" was held between 06.06.2016 to 12.06.2016. The function was inaugurated by the Chief Guest Prof.R.Surendran, Department of Mechanical Engineering, Government College of Technology, Coimbatore. The FDTP was attended by twenty external participants from various engineering colleges in and around Coimbatore and five internal participants from Akshaya College of Engineering and Technology. (The list of participants is attached).

On the Day 1, Prof.R.Surendran addressed the basic concepts of strength of materials. In the afternoon session, Prof.R.Surendran explained about the stress strain relationship and give the detailed explanation about the teaching methodology for the young and buddy professionals. Day 2 began with a presentation on stresses in beam, Dr.R.Balamurugan explained the shear stress distribution, bending stress distribution and theory of simple bending in detail. In the afternoon session Dr.R.Balamurugan explored the various types of beams and explained about how to draw the shear force and bending moment diagram for various types of beam, the afternoon session was closed for the day by solving some interesting problems in beams.

The forenoon session of Day 3 handled by Dr.R.Ramadevi was fully deal with deflection of beams and explained the importance of Macaulay's method and Double Integration method. The afternoon session continued with Prof.V.Mohankumar explained about the torsion in detail. The forenoon session of Day 4 handled by Dr.K.Sampthkumar was fully deal with loading on beams, torsion and explained about deflection of helical spring. The afternoon session continued with Prof.K.MadanMohan explained about the deformation of solids in detail. Dr.R.Rameshkumar began Day 5 with an exercise in Deflection of Beams and participants were asked to solve problems using Conjugate beam and Maxwell's reciprocal theorems. The afternoon session continued by Prof.M.Selvaraju in that he gave a clear picture about Thin Cylinders, Spheres and Thick Cylinders. The focus on the morning of Day 6 with Deformation in spherical shells and its correlation was facilitated by Prof.S.Kalidas. After the lunch, Prof.Thirunavukarasu introduced the recent advancement in strength of materials and the session



was continued by some assignment problems. Day 7 then continued with a practical session on strength of materials laboratory and the session was most interactive .As a closing activity, the participants were asked to share their experience and give their feedback about this effective FDTP. The FDTP course materials were distributed to the participants in the form of CD. Finally, the programme ended with a valedictory function in the august presence of Managing Trustee Shri A.Nagarasan, Chairman Shri T.Subramaniyan, Secretary Shri K.Pavithran, Director Dr.K.Thanuskodi, Joint Director Dr.N.Suguna, Principal Dr.J.Jaya, Heads of various Departments and faculty members of Akshaya College of College of Engineering and Technology.

*Handwritten signature*  
16/06/16