

# RajaRajeswari College of Engineering

No.14, Ramohalli Cross, Kumbalgodu, Mysore Road, Bengaluru-560 074

(APPROVED BY AICTE, NEW DELHI & AFFILIATED TO VTU, BELAGAVI)

## DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

### CIRCULAR

Date: 20/07/2017

To,

All the staff.

Hereby informed that, Department of ECE is organizing two day professional development program on **Computer Networks Lab experiments** on **21<sup>st</sup> to 22<sup>nd</sup> July 2017**. In this regards all the staff faculty are requested to attend for this FDP.



HOD/ECE

PROFESSOR & HEAD  
DEPT. OF ELECTRONICS & COMMUNICATIONS  
RAJARAJESWAR COLLEGE OF ENGINEERING  
BENGALURU - 560 074



# RAJARAJESWARI COLLEGE OF ENGINEERING

Ramohalli Cross, Kumbalagodu, Mysore Road, Bengaluru-560074.

## DEPT. OF ELECTRONICS AND COMMUNICATION ENGINEERING

### Professional Development Programme on "Computer Networks Lab experiments"

- **Date of FDP:** 21<sup>st</sup> to 22<sup>nd</sup> July 2017
- **Venue:** Computer Networks Lab, Dept. of ECE
- **Resource Person:** Mrs. Vijaya S M, Assistant Professor, Dept. of ECE, RRCE, Bangalore
- **FDP objective:** To make the lab faculty proficient in lab experiments knowledge.
- **Total number of participants:** 10
- **FDP Outcomes:**
  - Participants had learnt about how to install the NCTUns software.
  - Each faculty learnt about how to simulate and execute the lab experiments.

PROFESSOR & HEAD  
DEPT. OF ELECTRONICS & COMMUNICATION ENG  
RAJARAJESWARI COLLEGE OF ENGG.  
BENGALURU - 560 074

# RajaRajeswari College of Engineering

No.14, Ramohalli Cross, Kumbalgodu, Mysore Road, Bengaluru-560 074

(APPROVED BY AICTE, NEW DELHI & AFFILIATED TO VTU, BELAGAVI)

## DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

A Two Day Professional Development Program on

Computer Networks Lab experiments

21<sup>st</sup> to 22<sup>nd</sup> July 2017

### Attendance Sheet

S. NO	Name of the Faculty	Day-1 21-07-2017	Day-2 22-07-2017
1	Dr. Rangaiiah L	L	L
2	Jyothi A P	JAP	JAP
3	Chaitra K R	ckr	ckr
4	S. M. V. Jyoti	Jyoti	Jyoti
5	Srinath chavan	SC	SC
6	Chaitanya S	CS	CS
7	M. Duregh	MD	MD
8	Sreenivas K R	SKR	SKR
9	Chaitra C M	CCM	CCM
10	Pushpa M J	PMJ	PMJ
11	Suneetha D N	S.D.N	S.D.N
12			

L. Ramesh  
for PROFESSOR & HEAD  
DEPT. OF ELECTRONICS & COMMUNICATION ENG  
RAJARAJESWARI COLLEGE OF ENGG.  
BENGALURU - 560 074

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## DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

### A Two Day Professional Development Programme on

Computer Networks Lab experiments  
21<sup>st</sup> to 22<sup>nd</sup> July 2017

### FEEDBACK ON SDP

Please tick the appropriate option.

1. How did you get to know about the SDP? Through:

(a) Friends (b) ~~Brochure~~ (c) College website (d) e-mail (e) Any other (mention) \_\_\_\_\_

2. Was the information in the SDP useful? Yes/No

3. Rate the following on a scale of 1 to 5

(1-Not satisfactory, 2-Satisfactory, 3-Good, 4-Very good, 5-Excellent)

Information content	<u>4</u>
Understandability	<u>3</u>
Relevance of the topic to you	<u>4</u>
Communication of the presenter	<u>3</u>
Level of interaction	<u>5</u>
Hands on training	<u>5</u>

4. Quality of Equipment/Ambience etc. : Good

5. Do you want some more of such SDPs? Yes/No

If yes, suggest topics Advanced NS3 expt

6. Suggestions/comments if any

Real time project workshop is needed

\*\*\*\*\* Thank you for your valuable feedback \*\*\*\*\*





**Moogambigai Charitable And Educational Trust**  
**RAJARAJESWARI COLLEGE OF ENGINEERING**

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(Affiliated to the VTU, Belagavi & Approved by AICTE, New Delhi)

**ELECTRONICS & COMMUNICATION ENGINEERING**

*A Two Day PDP*

On

*Computer Networks Lab experiments*

**PARTICIPATION CERTIFICATE**

This is to certify that Ms. Chaitra K. N. of Rajarajeswari College of Engineering has participated in a Two Day Professional Development Program on “Computer Networks Lab experiments”, organized by the Department of Electronics and Communication Engineering, on 21<sup>st</sup> to 22<sup>nd</sup> July 2017.

Head of the Department  
**DR. L. SWARNA JYOTHI**

Principal  
**Dr. R Balakrishna**



**'A' GRADE**



# RajaRajeswari College of Engineering

(NBA, NAAC 'A' Grade, HLACT, ISO 9001-2008 CERTIFIED)



#14, Ramohalli Cross, Kumbalagodu, Mysore Road, Bengaluru - 560074.

(Affiliated to VTU, Belgaum, Approved by AICTE, New Delhi.)

## Department of Mechanical Engineering

*Cordially invite you for the Inaugural function of*

### Six Days Faculty Development Program on "Heat Transfer and Hands on Practice"

**From 17th to 22nd July 2017**

**9.30 am to 3.30 pm**

**Venue: Seminar Hall**

#### Chief Guest

**Dr. Gowrishsubramanyum S**

JSSATE, Bengaluru

#### Presided by

**Dr. A. C. SHANMUGAM**

B.A. LLB, FIMSA, FRCPS (Classgow, UK)

Chairman, RR Group of Institutions

**Sri. A. C. S. ARUN KUMAR**

Vice Chairman, RR Group of Institutions

**Dr. VIJAYANAND S**

Executive Director, RR Group of Institutions

**Have consented to grace the function**

**Dr. T R Gopala Krishna Nair**

Rector,  
RR Group of Institutions

**Dr. R Balakrishna**

Principal,  
RajaRajeswari College of  
Engineering

**HoD & Staff**

**Mechanical Engineering,  
RajaRajeswari College  
of Engineering**

  
Professor & Head  
Dept. of Mechanical Engineering  
RAJARAJESWARI COLLEGE OF  
ENGINEERING  
Kumbalagodu, Mysore Road  
Bengaluru - 560074

#### ABOUT MCET:

Moogambigai Charitable and Educational Trust, Bengaluru was established in the year 1992 with the sole objective for starting Institutions of higher education of exemplary stature in the state of Karnataka. In furtherance of this objective, the trust has been establishing institutions of higher learning in the state. Presently the trust is running 07 institutions in Karnataka and 19 institutions in Tamil Nadu in the field of Medical, Dental, Engineering and Management Institute.

#### ABOUT RRCE:

RajaRajeswari College of Engineering (RRCE) was established in the year 2006. The Institution is recognized by AICTE, New Delhi, approved by Govt. of Karnataka & is affiliated to Visvesvaraya Technological University (VTU), Belgaum. The Institution is accredited by NBA (ME, CSE, ECE & EE), NAAC 'A' Grade, HIACT and ISO 9001-2008 Certified. Institution offers UG courses in the disciplines of ME, EEE, CIVIL, ECE, CSE, ISE, TCE & Post Graduation Courses in M Tech (Thermal Power Engineering, Digital Electronics & Communication, Communication Systems, Computer Science & Engineering, Computer Network and Engineering), MBA, MCA & Research Programs in the Department of Mechanical Engineering, Computer Science & Engineering, Management Studies & Mathematics, Physics, Chemistry, Electronics and Communication Engineering leading to M.Sc (Engg.) by Research & PhD programs of VTU. The resource persons at RRCE are highly qualified & experienced. The campus is Wi-Fi enabled with well equipped state of the art laboratories, computing facilities, library, sports and hostel facilities for boys and girls. The college is located at a distance of 18kms from Bengaluru City Railway Station on Mysore road.

#### ABOUT THE DEPARTMENT:

The Department of Mechanical Engineering was started in the year 2006. The department has highly qualified and well experienced faculty with good track record in Academics, research and Industry. The department has established with state of art laboratory facilities with advanced software's. Within a span of 10 years department has conducted several conferences, workshops, FDP's, Seminars, Industrial Visits. It has 'Centre of Excellence' with Altair Hyper works. Department also have Students Chapters like ISMIL, ISTIL. Currently department offers UG program with an intake of 180, PG program, Ph.D program and MSc Engineering by Research.

#### OBJECTIVE OF FDP:

To provide a platform for the Faculties, Research Scholars of various Institutions and Industry Expert to learn and have focus on the Heat Transfer domain.

#### TOPICS TO BE COVERED:

1. Multidimensional heat transfer
2. Numerical heat transfer
3. Heat exchangers
4. Solar energy
5. Experimental heat transfer.

#### DATE AND VENUE:

The FDP will be held on 17<sup>th</sup> to 22<sup>nd</sup> July 2017 at Seminar Hall Department of Mechanical Engineering, RRCE, Bengaluru.

#### PARTICIPANTS:

Academicians, Research Scholars, Industry Experts are invited to the FDP


#### REGISTRATION FEES:

Faculties from Academic Institutions	500/-
Research Scholars, Industry Experts	500/-
Accommodation if required on	750/-
First Come First Service Basis	

#### Note:

Registration fees include kit, snacks, tea and lunch.

Only 50 Participants are permitted for FDP on First Come First Serve Basis

  
Professor & Head  
Dept. of Mechanical Engineering  
RAJARAJESWARI COLLEGE OF  
ENGINEERING  
Kumbalagodu, Mysore Road  
Bengaluru-560074



## Six Days Faculty Development Program on "Heat Transfer and Hands on Practice"

From 17th to 22nd July 2017



Organized  
By

DEPARTMENT OF MECHANICAL ENGINEERING  
RAJARAJESWARI COLLEGE OF ENGINEERING

(NBA, NAAC 'A' Grade, HIACT-Accredited)

ISO 9001-2008 Certified Institution)

#14, Ramohalli, Mysore Road,  
Kumbalagodu, Bengaluru-560074.  
Phone: +91-80-28437512, +91-80-28437375  
Fax: +91-80-28437373, www.rrce.org

## REGISTRATION FORM

1. Name: \_\_\_\_\_
2. Designation: \_\_\_\_\_
3. Organization: \_\_\_\_\_
4. Address: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_
5. Email ID: \_\_\_\_\_
6. Mob/Tel: \_\_\_\_\_
7. Signature of the Participant: \_\_\_\_\_
8. Signature of Director/ Principal/HoD: \_\_\_\_\_

## SPONSORSHIP CERTIFICATE

Mr. / Mrs. \_\_\_\_\_ is an employee of our Institute/Organization and is hereby sponsored. He/ She will be permitted to attend the above workshop, if selected.

Place: \_\_\_\_\_

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

Signature of the sponsoring authority with seal



## ADDRESS FOR CORRESPONDENCE:

Prof. Sreenivasalu Reddy N  
Mobile: 9964653644

Prof. Ravikiran H R  
Mobile: 7760089368

## EMAIL CORRESPONDENCE:

1. [nsreddyrree@gmail.com](mailto:nsreddyrree@gmail.com)
2. [ravikiran.hd@gmail.com](mailto:ravikiran.hd@gmail.com)

## WEBSITE VISIT:

[www.rrce.org](http://www.rrce.org)

## ACCOMMODATION:

Accommodation facilities can be provided in the hostel on First Come First Serve basis with prior intimation.

## NOTE:

Registration fee should be paid in the form of Demand Draft drawn in favor of "PRINCIPAL, RajaRajeswari college of Engineering", payable at Bengaluru.

## CHIEF PATRONS:

Dr. A. C. Shanmugam  
B.A. LLB, FIMSA, FRCPs (Glasgow, UK)  
Chairman, RR Group of Institutions

Sri. A. C. S. Arun Kumar  
Vice-Chairman, RR Group of Institutions

## PATRONS:

Dr. S. Vijayanand  
Executive Director, RR Group of Institutions

Sri. C N Seetharam (Retd. IAS officer)  
Chief Executive Officer, RR Group of Institutions

Sri. S. Jayabalan  
Special Officer, RR Group of Institutions

Dr. T. R. Gopala Krishna Nair  
Rector, RR Group of Institutions

## ORGANIZING COMMITTEE: CHAIRMAN:

Dr. R. Balakrishna Principal, RRCE



## CO-CHAIRMAN:

Prof. V. Prabhakar  
Vice Principal, RRCE

## ORGANIZING SECRETARY:

Dr. Yeshovanth H R  
Professor and Head, Dept. of Mech. Engg.

## JOINT SECRETARY:

Dr. R. Shankara Reddy  
Professor, Dept. of Mech. Engg.

## CONVENERS:

Prof. Sreenivasalu Reddy N, Assoc. Prof, Dept. Mech. Engg.  
Prof. Ravikiran H R, Asst. Prof, Dept. Mech. Engg.

## CO-CONVENERS:

Prof. B D Wadekar, Asst. Prof, Dept. Mech. Engg.  
Prof. Madhu K S, Asst. Prof, Dept. Mech. Engg.  
Prof., Sathesha V, Asst. Prof, Dept. Mech. Engg.  
Prof. Rameshgowda N R, Asst. Prof, Dept. Mech. Engg.

## CO-ORDINATORS:

Dr. M.N. Shankar

Prof. C. Ramesh

Prof. Thanuj Kumar M

Prof. Anand A

Prof. Radhakrishna R K

Prof. Mdhusudhan M

Prof. Shivalingaiah K

Prof. Yellappa M

Prof. T. Manju

Prof. Pramod Koujalagi

Prof. Dhanajay B S

Prof. Praveen Kumar S P

Prof. Ravi Kumar T

Prof. Vishwanath K C

Prof. Mahendra H M

Prof. Deepti M H

Prof. Darshan S. K

Prof. Yeshovanth H R  
Dept. of Mechanical Engineering  
RAJARAJESWARI COLLEGE OF  
ENGINEERING  
Kumbatogala, Mysore Road  
Bengaluru - 560074





# RAJARAJESWARI COLLEGE OF ENGINEERING

(Affiliated to VTU, Belgaum, Approved by AICTE, New Delhi.)

## DEPARTMENT OF MECHANICAL ENGINEERING

Six Days Faculty Development Program on

**“Heat Transfer and Hands on Practice”**

From 17<sup>th</sup> to 22<sup>nd</sup> July 2017

**Time: 9.30AM – 3.30PM**

**Venue: Seminar Hall, RRCE**

**Patron**

**MOOGAMBIGAI CHARITABLE AND EDUCATIONAL TRUST**



**Six Days Faculty Development Program on**  
**“Heat Transfer and Hands on Practice”**  
**From 17th to 22nd July**

PROGRAM SCHEDULE			
Date	Time	Contents	Content
17/07/2017 Monday	9.00 am to 9.30 am	Registration	
	09.30 am to 10.45 am	Inaugural Function	
	10.45 am to 11.00 am	Tea Break	
	11.00 am to 1.00 pm	1 <sup>st</sup> Session	Dr. Gowrish Subramanyam JSSATE, Bengaluru Multidimensional Heat Transfer
	1.00 pm to 1.30 pm	Lunch Break	
	1.30 pm to 3.30 pm	2 <sup>nd</sup> Session	Dr. R Mohan Raj ACS College of engineering Analysis of Heat Transfer in Engine Radiator
	3.30 pm to 3.45 pm	Tea Break	
18/07/2017 Tuesday	10.00 am to 12.30 am	3 <sup>rd</sup> Session	Dr. Kanchiraya Associate Professor GEC, Hassan Numerical Heat Transfer
	12.30 pm to 1.30 pm	Lunch Break	
	1.30 pm to 3.30 pm	4 <sup>th</sup> Session	Satheesha. V Assistant Professor Rree Jet Impingement Heat Transfer
	3.30 pm to 3.45 pm	Tea Break	
19/07/2017 Wednesday	10.00 am to 12.30 am	5 <sup>th</sup> Session	Dr. Eshwarmurthy ACS College of Engineering Solar Energy Collector
	12.30 pm to 1.30 pm	Lunch Break	
	1.30 pm to 3.30 pm	6 <sup>th</sup> Session	Dr. Madhu D GEC, Ramanagar Heat Exchangers
	3.30 pm to 3.45 pm	Tea Break	
20/07/2017 Thursday	10.00 am to 12.30 am	7 <sup>th</sup> Session	Gangadhar H K Micro-Bosch Hands On Hyper-Works
	12.30 pm to 1.30 pm	Lunch Break	
	1.30 pm to 3.30 pm	8 <sup>th</sup> Session	Dr. Kiran KIT, Tiptur Experimental Heat Transfer
	3.30 pm to 3.45 pm	Tea Break	

Professor & Head  
 Dept. of Mechanical Engineering  
 RAJARAJESWARI COLLEGE OF  
 ENGINEERING  
 Kumbalagatta, Mysore Road  
 Bengaluru - 560074



**RAJARAJESWARI COLLEGE OF ENGINEERING**  
**DEPARTMENT OF MECHANICAL ENGINEERING**  
(NBA, NAAC 'A' Grade, HLACT, ISO 9001-2008 CERTIFIED)



<b>21/07/2017</b> <b>Friday</b>	10.00 am to 12.30 am	9 <sup>th</sup> Session	<b>Saravanan</b> Assistant Professor, BNMIT <b>Micro Channel Heat Transfer</b>
	12.30 pm to 1.30 pm	<b>Lunch Break</b>	
	1.30 pm to 3.30pm	10 <sup>th</sup> Session	<b>Druvakumar M</b> Micro-Bosch <b>IC Engine Calibration</b>
	3.30 pm to 3.45 pm	<b>Tea Break</b>	
<b>22/07/2017</b> <b>Saturday</b>	10.00 am to 12.30 am	<b>VALIDICATORY FUNCTION</b>	

  
Professor & Head  
Dept. of Mechanical Engineering  
RAJARAJESWARI COLLEGE OF  
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Kumbhalagiri, Mysore Road  
Bengaluru - 560074





**RAJARAJESWARI COLLEGE OF ENGINEERING**  
**DEPARTMENT OF MECHANICAL ENGINEERING**  
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Six Days Faculty Development Program on  
 "Heat Transfer and Hands on Practice"

From 17th to 22nd July



Sl.no	Name	17/07/2017	18/07/2017	19/07/2017	20/07/2017	21/07/2017	22/07/2017
1	Mr C Ramesh						
2	Mr Sreenivasalu Reddy N						
3	Mr Pramod Koujalagi	22	22	22	22	22	22
4	Mr Thanuj Kumar M	M.H	M.H	M.H	M.H	M.H	M.H
5	Mr Dhanajay B S	B.S	B.S	B.S	B.S	B.S	B.S
6	Mr. Anand A	A	A	A	A	A	A
7	Mr Praveen Kumar S P	P	P	P	P	P	P
8	Mr B D Wadekar	W	W	W	W	W	W
9	Mr Madhu K S	S	S	S	S	S	S
10	Mr Radhakrishna R K	R	R	R	R	R	R
11	Mr Ravi Kumar T	T	T	T	T	T	T
12	Mr Madhusudhan M	M	M	M	M	M	M
13	Mr Vishwanath K C	K	K	K	K	K	K
14	Mr. Satheesha V						
15	Mr Shivalingaiah K	K	K	K	K	K	K
16	Mr Mahendra H M	H	H	H	H	H	H
17	Mr. Ravikiran H R	R	R	R	R	R	R
18	Mr Yellappa M	M	M	M	M	M	M
19	Mrs. Deepti H M						
20	Mr T. Manju	T	T	T	T	T	T

  
 Professor & Head  
 Dept. of Mechanical Engineering  
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 ENGINEERING  
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 Bengaluru - 560074



Moogambigai Charitable and Educational Trust

## **RAJARAJESWARI COLLEGE OF ENGINEERING**

#14, Ramohalli Cross, Kumbalgudu, Mysuru Road, Bengaluru - 560 074.

(Affiliated to VTU, Belagavi, Approved by AICTE, New Delhi.)

### **SIX DAYS FACULTY DEVELOPMENT PROGRAM ON "HEAT TRANSFER AND HANDS ON PRACTICE"**

## **Certificate**

*This is to certify that Mr./Ms. Sreenivasalu Reddy N participated in Six days Faculty Development Program held on 17<sup>th</sup> to 22<sup>nd</sup> , July 2017 Organized by Department of Mechanical Engineering, RajaRajeswari College of Engineering, Bengaluru, Karnataka.*

  
Name  
Coordinator

  
Name  
Organizing Secretary

  
Name  
Principal, RRCE

# RAJARAJESWARI COLLEGE OF ENGINEERING

Approved by AICTE, New Delhi.

Affiliated to the Visvesvaraya Technological University, Belagavi



Criterion: FDP

Academic Year: 2017-2018



## DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Circular

Date: 17/07/2017

All the faculty are hereby informed that the EEE department is organizing a faculty development program on “**Electric vehicles**” from **24<sup>th</sup> July to 28<sup>th</sup> July 2017**. All the faculty members are encouraged to attend the program.

  
Head of the Department

  
Professor & HOD

Dept. of Electrical & Electronics Engg.  
Rajarajeswari College Of Engineering  
Bengaluru-74.

**Chief Patron**

**Dr.A.C.Shanmugam**, B.A.L.L.B., FIMSA, FRCPs (Glasgow, U.K)  
Chairman, RajaRajeswari Group of Institutions,  
Bengaluru

**Patrons**

**Sri.A.C.S.ArunKumar**, B.Tech(Hons), LMISTE., MIET., (UK), LMCSI.  
Vice Chairman, RajaRajeswari Group of Institutions  
Bengaluru

**Dr.Vijayanand. S**, M.Tech, Ph.D

Executive Director, RRG

**Sri. S. Jayabalan**

Special Officer, RajaRajeswari Group of Institutions,  
Bengaluru

**Sri. .Seetharam(Retd IAS Officer)**

CEO, RajaRajeswari Group of Institutions, Bengaluru

**Dr. Gopalakrishna Nair** Rector, RajaRajeswari  
Group of Institutions, Bengaluru

**Chairman**

**Dr. Balakrishna R**  
Principal, RRCE

**Co-Chairman**

**Prof.Prabhakar.M**  
First Year Coordinator, RRCE

**Organizing Secretary**

**Dr.Arunachalam M**,  
Head of the Department,  
Dept.of Electrical and Electronics Engineering RRCE  
ORGANIZING COMMITTEE

**Coordinators**

1. Prof.Praveen A Patil
  2. Prof.Nandini N
- All Staff members of EEE Dept.

**Address for communication**

**Coordinators**

1. Prof.Praveen A Patil  
(9480227938)praveenpatil123@gmail.com
2. Prof. Nandini N  
(7204501818)nandinin@rrce.org

**Five Days FDP on  
"Electric Vehicles"**

Department of Electrical and Electronics  
Engineering  
RajaRajeswari College of Engineering  
Kumbalagodu, Mysore road, Bengaluru-  
560074

**Resource Persons**

**Dr.Arunachalam M**,  
HOD, EEE Department RRCE  
**Prof.Prabhakar.M**  
Associate Prof, EEE Dept, RRCE



**Five Days FDP on "Electric  
Vehicles"**

**On**  
**24<sup>th</sup> July-28<sup>th</sup> July, 2017**  
**(10 am to 4 pm)**

**Organized by**

**Department of Electrical & Electronics  
Engineering**



**RAJARAJESWARI COLLEGE OF  
ENGINEERING (RRCE)**

(Approved by AICTE, New Delhi )  
ACCREDITED BY NAAC , 'A' Grade and NBA

(EEE, ECE, ME, CSE)  
ISO9001:2008  
#14, RAMOHALLI CROSS,  
KUMBALAGODUMYSORE ROAD, BENGALURU-  
560074 KARNATAKA, INDIA,  
Fax: +91-80-28437373,  
Ph: 080-28437124, 080-28437375, 080-65666769  
**Website: [www.rrce.org](http://www.rrce.org)**



# RAJARAJESWARI COLLEGE OF ENGINEERING

Approved by AICTE, New Delhi.

Affiliated to the Visvesvaraya Technological University, Belagavi



Criterion: FDP

Academic Year: 2017-2018



## DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

### Program schedule:

Date	10.00 AM to 11.00 AM	11.00 to 11.30 AM	11.30 AM to 01.00 PM	1.00 to 2.00 PM	2.00 PM to 4.00 PM
24/07/17	Session 1: Reg. & Inauguration Power Quality Issues in EV charging stations	Tea	Session 2: Integration of Electric Vehicles in Smart Grids	Lunch	Session 3: Multi-level Inverter fed PMSM Drive for EV Applications
25/07/17	Session 4: DC-DC converters for RES Integration	Tea	Session 5: Multilevel converter based grid connected renewable energy conversion system	Lunch	Session 6: Model Predictive Controlled electric motor drives
26/07/17	Session 7: Role of interface power converters	Tea	Session 8: Novel search space reduction optimization technique: programming and implementation	Lunch	Session 9: Hands-on- session on Simulation of Multi-level Inverter Fed PMSM Drive
28/07/17	Session 10: Capacity building/Personal Effectiveness	Tea	Session 11: Smart Electric Grid	Lunch	Session 12: Hands-on session on DC-DC Converters
29/07/17	Session 13: Sensor less PMSM drive for HEV application	Tea	Session 14: Hands-on- session on Power Converters in Electric Vehicles	Lunch	Session 15: Participant-Performance Evaluation, Feedback and Valedictory Function

Program coordinator

HOD

Professor & HOD

Dept. of Electrical & Electronics Engg.  
Rajarajeswari College Of Engineering  
Bengaluru-74



### **Program Report**

**Date: 04/08/17**

**Duration: 5 days**

**No. of Participants: 12**

#### **Report:**

The participants will be introduced to fundamentals of Electric Vehicles, components such as cables, battery, drives and controllers used in of Electric Vehicles and develop the understanding of how to use optimization techniques such as AI and ML to improve the features of EV. The participants will be trained with hands-on approach in order to have an in-depth insight into the domain of Automobile and expose them to Feasibility & future scope of EV

#### **Program objectives:**

- To enable the participants to learn and conceptualize Electric Vehicles (EVs)
- To enhance the learning capabilities of the participants in EV drive system
- To empower the participants with the latest knowledge on Power converters for EVs
- To enable the participants to learn new methods in high gain converters.
- To enable the participants to learn new methods in battery chargers for EVs

#### **Program outcomes:**

1. Understand fundamentals of Electric Vehicles and components used.
2. Environmental impact by using Electric Vehicles and further optimizing the EV's components to adopt to the use.
3. Design of EV's components namely Cables, Batteries, Drives and Controllers.
4. Participants understand and solve various industry grade case studies and engineering problems.

# RAJARAJESWARI COLLEGE OF ENGINEERING

Approved by AICTE, New Delhi.

Affiliated to the Visvesvaraya Technological University, Belagavi



Academic Year:2017-2018



## DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

### Faculty Development program on "Electric Vehicles"

#### Attendance Sheet

Sl.No.	Name of the Faculty	Day1 24/07/17	Day 2 25/07/17	Day 3 26/07/17	Day 4 27/07/17	Day 5 28/07/17
1	Dr. Saravanan N	<i>Saravanan</i>	<i>Saravanan</i>	<i>Saravanan</i>	<i>Saravanan</i>	<i>Saravanan</i>
2	Prof. Shivalingaiah K L	<i>Shivalingaiah</i>	<i>Shivalingaiah</i>	<i>Shivalingaiah</i>	<i>Shivalingaiah</i>	<i>Shivalingaiah</i>
3	Prof.Pavan Kumar K R	<i>Pavan</i>	<i>Pavan</i>	<i>Pavan</i>	<i>Pavan</i>	<i>Pavan</i>
4	Prof.Bharathi V	<i>Bharathi</i>	<i>Bharathi</i>	<i>Bharathi</i>	<i>Bharathi</i>	<i>Bharathi</i>
5	Prof.Nandini.N	<i>Nandini</i>	<i>Nandini</i>	<i>Nandini</i>	<i>Nandini</i>	<i>Nandini</i>
6	Prof.Rashmi J V	<i>Rashmi</i>	<i>Rashmi</i>	<i>Rashmi</i>	<i>Rashmi</i>	<i>Rashmi</i>
7	Prof.Sincy Elezebeth Kuruvilla	<i>Sincy</i>	<i>Sincy</i>	<i>Sincy</i>	<i>Sincy</i>	<i>Sincy</i>
8	Prof Chandrasekar	<i>Chandrasekar</i>	<i>Chandrasekar</i>	<i>Chandrasekar</i>	<i>Chandrasekar</i>	<i>Chandrasekar</i>
9	Prof Das	<i>Das</i>	<i>Das</i>	<i>Das</i>	<i>Das</i>	<i>Das</i>
10	Prof. Praveen A Patil	<i>Praveen</i>	<i>Praveen</i>	<i>Praveen</i>	<i>Praveen</i>	<i>Praveen</i>
11	Prof. Avinash C M	<i>Avinash</i>	<i>Avinash</i>	<i>Avinash</i>	<i>Avinash</i>	<i>Avinash</i>
12	Prof Vidyashree	<i>Vidyashree</i>	<i>Vidyashree</i>	<i>Vidyashree</i>	<i>Vidyashree</i>	<i>Vidyashree</i>

*[Signature]*  
Program Co-ordinator

*[Signature]*  
Professor & HOD  
Dept. of Electrical & Electronics Engg  
Rajarajeswari College Of Engineering  
Bengaluru-74





**DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING**  
**Feedback form-Faculty Development program on "Electric vehicles"**

1. The level of the FDP was.

- a. Excellent
- b. Very good
- ☒ c. Good
- d. Poor
- e. Very poor

2. FDP for the current scenario is it useful.

- a. strongly agree
- ☒ b. agree
- c. disagree
- d. Strongly disagree

3. The course content met with your expectations

- a. Excellent
- b. Very good
- ☒ c. Good
- d. Poor
- e. Very poor

4. The level of the course was

- a. High
- ☒ b. Too high
- c. Low
- d. Too low

5. The teaching aids were effectively used

- ☒ a. strongly agree
- b. agree
- c. disagree
- d. Strongly disagree



Moogambigai Charitable and Educational Trust  
**Raja Rajeswari College of Engineering**

Affiliated to VTU, Belgaum, Approved by AICET, New Delhi  
(#14.Ramohalli Cross, Kumbalagodu, Mysore Road Bangalore-560074)



**Department of Electrical & Electronics Engineering**  
**Certificate**

(24<sup>th</sup> – 28<sup>th</sup> JULY, 2017)

This is to certify that Dr./Mr./Mrs./Ms AVINASH CM of  
EEE Dept has successfully completed five  
days training program on "Electric Vehicles" during 24<sup>th</sup> July to 28<sup>th</sup> July 2017 in  
association with the department of Electrical & Electronics Engineering.

HOD  
Dr. M Arunachalam

Principal  
Dr. R Balakrishna



Moogambigai Charitable and Educational Trust  
**RajaRaieswari College of Engineering**

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(#14.Ramohalli Cross, Kumbalagodu, Mysore Road Bangalore-560074)



**Department of Electrical & Electronics Engineering**  
**Certificate**

(24<sup>th</sup> – 28<sup>th</sup> JULY, 2017)

This is to certify that Dr./Mr./Mrs./Ms BHARATHI V of  
EEE Dept. has successfully completed five  
days training program on “Electric Vehicles” during 24<sup>th</sup> July to 28<sup>th</sup> July 2017 in  
association with the department of Electrical & Electronics Engineering.

HOD  
Dr. M Arunachalam

Principal  
Dr. R Balakrishna



Moogambigai Charitable and Educational Trust  
**RajaRajeswari College of Engineering**

Affiliated to VTU, Belgaum, Approved by AICET, New Delhi  
(#14, Ramohalli Cross, Kumbalagodu, Mysore Road Bangalore-560074)




**Department of Electrical & Electronics Engineering**  
**Certificate**

**(24<sup>th</sup> – 28<sup>th</sup> JULY, 2017)**

This is to certify that Dr./Mr./Mrs./Ms Handini N. of RRCE has successfully completed five days training program on "Electric Vehicles" during 24<sup>th</sup> July to 28<sup>th</sup> July 2017 in association with the department of Electrical & Electronics Engineering.

  
HOD

Dr. M Arunachalam

  
Principal  
Dr. R Balakrishna



Moogambigai Charitable and Educational Trust  
**RajaRajeswari College of Engineering**

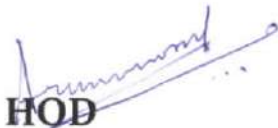
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**Department of Electrical & Electronics Engineering**  
**Certificate**

**(24<sup>th</sup> – 28<sup>th</sup> JULY, 2017)**

This is to certify that Dr./Mr./Mrs./Ms Sincy E. Kuruvilla of RRCE has successfully completed five days training program on “Electric Vehicles” during 24<sup>th</sup> July to 28<sup>th</sup> July 2017 in association with the department of Electrical & Electronics Engineering.

  
HOD

Dr. M Arunachalam

  
Principal  
Dr. R Balakrishna

# RAJARAJESWARI COLLEGE OF ENGINEERING

Approved by AICTE, New Delhi.  
Affiliated to the Visvesvaraya Technological University, Belagavi



Criterion: 6.3.3

Academic Year: 2017-18



## Circular

Date: 18.07.17

All the faculty are hereby informed that the Mathematics department is organizing a faculty development program from 24.07.17 to 28.07.17. All the faculty members are encouraged to attend the program.

  
Head of the Department

## **MOOGAMBIGAI CHARITABLE AND EDUCATIONAL TRUST**

Moogambigai Charitable and Educational Trust was established in the year 1992 with the sole objective of starting institutions of higher education of exemplary stature in the state of Karnataka. In furtherance of this objective, the trust has been establishing institutions of higher learning in the state. Presently the trust is running 07 institutions in Karnataka and 19 institutions in Tamil Nadu in the fields of Medical, Dental, Engineering and Management Education.

## **RAJARAJESWARI COLLEGE OF ENGINEERING**

RajaRajeswari College of Engineering (RRCE) was established in the year 2006. It is an ISO 9000-2008 Certified Institution, recognized by AICTE, New Delhi and is affiliated to Visveswaraya Technological University, Belgaum, Karnataka. The Institute offers six UG courses (Mechanical, Electrical, Electronics, Computer Science, Information Science and Civil Engineering.), and three PG courses (MBA, MCA and M.Tech in Digital Electronics & Communications). Departments of Mechanical, Computer Science & Engineering, Mathematics and Management Studies are the VTU approved R&D Centers. All the Departments have well qualified staff, well equipped laboratories, and library. Computing, and sports facilities along with other amenities. The Mechanical, CSE, E&C and EEE departments got accreditation by NBA from 2016

## **DEPARTMENT OF MATHEMATICS**

The Department has full-fledged, experienced and dedicated teaching faculty. The Department is having R & D Center with good systems and software's like MATLAB & MATHEMATICS.

### **FDP OBJECTIVES:**

FDP is aimed to provide a forum for professionals and research scholars to learn and conceptualize future challenges in the various domains of Mathematics.

### **DATE and VENUE**

The FDP will be held on 24/7/17 - 28/7/17 (10:00am to 4:00 pm) at Dr.A.P.J Abdul Kalam Seminar hall, RRCE, Bengaluru-560074.

### **Participants:**

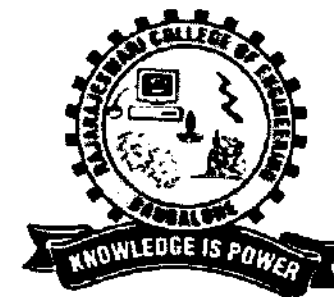
Teachers who are handling Mathematics subjects are invited to participate in the FDP.

## **5-DAY FDP ON**

**Differential Transform Method  
and its Applications**

**On**

**24.7.17 - 28.7.17**



### **Organized By**

**Department of Mathematics**

**RAJARAJESWARI COLLEGE**

**OF ENGINEERING**

(Affiliated to Visveswaraya Technological University, Belgaum & Recognized by the AICTE, New Delhi)

#14, Ramohalli Cross, Kumbalagodu,  
Mysore Road, Bengaluru - 560074.



## REGISTRATION FORM

### 5-DAY FDP ON

Differential Transform Method  
and its Applications

On

24/7/17 to 28/7/17

☐

1. Name \_\_\_\_\_

2. Designation \_\_\_\_\_

3. Department \_\_\_\_\_

4. Qualification \_\_\_\_\_

5. Institution \_\_\_\_\_

6. Address \_\_\_\_\_

7. Email \_\_\_\_\_

8. Tel: \_\_\_\_\_

Signature of the Participant

Registration fees: Nil

Limited seats are  
available. On first come  
first serve basis.

*All are cordially invited*

Note: Interested faculty members of  
RRCE may please contact Dr. Anitha for  
registration

Registration is free

All communications may be made to:

**Dr. A.S. Hariprasad**

Organizing Secretary

Head of the Department

Department of Mathematics, RajaRajeswari

College of Engineering, Kumbalgodu,

Near Ramohalli Cross, Bangalore -

560074. [ashariprasad@yahoo.co.in](mailto:ashariprasad@yahoo.co.in)

Mobile : 9880926382

Chief Patron

**Dr.A.C.Shanmugam.B.A.L.L.B,FIMSA,FRCP**  
S(Glasgow,U.K)

Chairman, RajaRajeswari Group of  
Institutions,Bengaluru

Patrons

**Sri. A.C.S. Arun Kumar, B.Tech (Hons),**  
**LMISTE.,MIET.,(UK),LMCSI,**  
Vice-Chairman, RajaRajeswari Group of  
Institutions,Bengaluru

**Dr. Vijayanand. S, M.Tech, Ph.D**  
Executive Director, RajaRajeswari  
Group of Institutions, Bengaluru

**Sri. S. Jayabalan**  
Special Officer, RajaRajeswari  
Group of Institutions, Bengaluru

**Sri. .Seetharam (Retd IAS Officer)**  
CEO, RajaRajeswari Group of Institutions,  
Bengaluru

**Principal, RRCE**

**Dr. Balakrishna R**

**ORGANIZING COMMITTEE**

All Staff members of Mathematics Dept.

# DEPARTMENT OF MATHEMATICS

## Five Days Faculty Development Program

### Differential Transform Methods and its Application

Date	10.00am to 1.00pm	1.00pm to 2.00pm	2.00pm to 4.00pm
24.07.2017	Session1: Introduction to Differential Transform Methods	Lunch	Session2: DTM for Volterra Integral Equation
25.07.2017	Session3: Modified DTM for linear equations	Lunch	Session4: Modified DTM for nonlinear equations
26.07.2017	Session5: One Dimensional DTM	Lunch	Session6: DTM for Ordinary Differential Equation
27.07.2017	Session7: DTM for Partial Differential Equation	Lunch	Session8: Solution of DE by using DTM
28.07.2017	Session9: DTM in Robotics	Lunch	Session10: DTM in Robotics

Program Coordinator

  
HOD



**Program Report**

**Date: 31.07.17**

**Duration: 4 Hours**

**No. of Participants: 07**

**Report :**

- He has motivated for all the faculties to improve their efficiency in their academic related issues.
- He has guided all the faculties in such a way that how faculty has to interact with the students in the classroom.
- His research ideas and knowledge helped to the faculties in their research areas.
- Faculties have gained new techniques to tackle the slow learners in the classroom.
- Apart from the FDP , the resource person has taught Differential Transform Method which is related to current trends in research work.

**Program objectives: Motivation for all the Faculties**

**Program outcomes: Good and Interactive Session**

  
Co-ordinator

  
Head of the Department

# RAJARAJESWARI COLLEGE OF ENGINEERING

Approved by AICTE, New Delhi.  
Affiliated to the Visvesvaraya Technological University, Belagavi



Criterion: 6.3.3

Academic Year: 2017-18



## Faculty Development program on “Differential Transform Method and its Applications”

### Attendance Sheet

S.No.	Name of the Faculty	Day 1 24.07.17	Day 2 25.07.17	Day 3 26.07.17	Day 4 27.07.17	Day 5 28.07.17	Signature
1	Dr. G.S. Prasad	P	P	P	P	P	
2	Dr. Savitha B	P	P	P	P	P	
3	Dr. Anitha B.S.	P	P	P	P	P	
4	Mr. Manjunath	P	P	P	P	P	
5	Nafeesa	P	P	P	P	P	
6	Mr. Raveendra N	P	P	P	P	P	
7	Shilpa R	P	P	P	P	P	



Moogambigai Charitable and Educational Trust  
**RAJARAJESWARI COLLEGE OF ENGINEERING**

#14, Ramohalli Cross, Kumbalgodu, Mysore Road, Bengaluru-560074.  
(Affiliated to VTU, Belgaum, Approved by AICTE, New Delhi. NAAC 'A' Grade Accredited)



*DEPARTMENT OF MATHEMATICS*

**CERTIFICATE**

This is to certify that Dr/ Prof.....*✓* *S.H.L.P.A.R.*.....of.. *MATHS*...Dept.  
of.....*RRCE*....., has attended 5 Days FDP on "*Differential Transform Method  
and its Applications*" from 24<sup>th</sup> to 28<sup>th</sup> July 2017.

**Dr. A.S. Hariprasad**  
Professor & Head, Dept of Mathematics

**Dr. R Balakrishna**  
Principal, RRCE



Moogambigai Charitable and Educational Trust  
**RAJARAJESWARI COLLEGE OF ENGINEERING**

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*DEPARTMENT OF MATHEMATICS*

**CERTIFICATE**

✓  
This is to certify that Dr/ Prof. *A.S. HARI PRASAD*.....of *MATHS*...Dept.  
of.....*RRCE*....., has attended 5 Days FDP on "*Differential Transform Method  
and its Applications*" from 24<sup>th</sup> to 28<sup>th</sup> July 2017.

**Dr. A.S. Hariprasad**  
Professor & Head, Dept of Mathematics

**Dr. R Balakrishna**  
Principal, RRCE



Moogambigai Charitable and Educational Trust  
**RAJARAJESWARI COLLEGE OF ENGINEERING**

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*DEPARTMENT OF MATHEMATICS*

**CERTIFICATE**

✓  
This is to certify that Dr/ Prof....S.A.V.I.THA.....B.S.....of....MATHS....Dept.  
of....R.R.C.E....., has attended 5 Days FDP on ***"Differential Transform Method  
and its Applications"*** from 24<sup>th</sup> to 28<sup>th</sup> July 2017.

**Dr. A.S. Hariprasad**  
Professor & Head, Dept of Mathematics

**Dr. R Balakrishna**  
Principal, RRCE





Moogambigai Charitable and Educational Trust  
**RAJARAJESWARI COLLEGE OF ENGINEERING**

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DEPARTMENT OF MATHEMATICS

CERTIFICATE

This is to certify that Dr/ Prof... *ANITHA*... *B.S.*..... of... *MATHS* Dept.  
of... *RRCE*....., has attended 5 Days FDP on "*Differential Transform Method  
and its Applications*" from 24<sup>th</sup> to 28<sup>th</sup> July 2017.

Dr. A.S. Hariprasad  
Professor & Head, Dept of Mathematics

Dr. R Balakrishna  
Principal, RRCE



Moogambigai Charitable and Educational Trust  
**RAJARAJESWARI COLLEGE OF ENGINEERING**

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*DEPARTMENT OF MATHEMATICS*

**CERTIFICATE**

This is to certify that Dr/ Prof...*R. AVEENDRA N.*.....of...*MATHS*...Dept.  
of.....*RRCE*....., has attended 5 Days FDP on “*Differential Transform Method  
and its Applications*” from 24<sup>th</sup> to 28<sup>th</sup> July 2017.

**Dr. A.S. Hariprasad**  
Professor & Head, Dept of Mathematics

**Dr. R Balakrishna**  
Principal, RRCE



Moogambigai Charitable and Educational Trust  
**RAJARAJESWARI COLLEGE OF ENGINEERING**

#14, Ramohalli Cross, Kumbalgodu, Mysore Road, Bengaluru-560074.  
(Affiliated to VTU, Belgaum, Approved by AICTE, New Delhi. NAAC 'A' Grade Accredited)



*DEPARTMENT OF MATHEMATICS*

**CERTIFICATE**

*This is to certify that Dr/ Prof.. MANJU NATHA:....Y:....G:....of...M.A.T.H.S....Dept.  
of.....R.R.C.E....., has attended 5 Days FDP on "Differential Transform Method  
and its Applications" from 24<sup>th</sup> to 28<sup>th</sup> July 2017.*

**Dr. A.S. Hariprasad**  
Professor & Head, Dept of Mathematics

**Dr. R Balakrishna**  
Principal, RRCE



Moogambigai Charitable and Educational Trust  
**RAJARAJESWARI COLLEGE OF ENGINEERING**

#14, Ramohalli Cross, Kumbalgodu, Mysore Road, Bengaluru-560074.  
(Affiliated to VTU, Belgaum, Approved by AICTE, New Delhi. NAAC 'A' Grade Accredited)



*DEPARTMENT OF MATHEMATICS*

**CERTIFICATE**

*This is to certify that Dr/ Prof....N.A.F.E.E.S.A......of...MATHS...Dept.  
of.....RRCE....., has attended 5 Days FDP on "**Differential Transform Method  
and its Applications**" from 24<sup>th</sup> to 28<sup>th</sup> July 2017.*

**Dr. A.S. Hariprasad**  
Professor & Head, Dept of Mathematics

**Dr. R Balakrishna**  
Principal, RRCE

### Chief Patrons

Sri. A. C. Shanmugam

Chairman, RajaRajeswari Group of Institutions

Sri. A. C. S. Arun Kumar

Vice-Chairman, RajaRajeswari Group of Institutions

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Sri. Vijayanand. S

Executive Director, RajaRajeswari Group of Institutions

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Special Officer, RajaRajeswari Group of Institutions

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Rector, RajaRajeswari Group of Institutions

Dr. R. Balakrishna

Principal, RajaRajeswari College of Engineering

### Organizing Secretary

Dr. L. Swarna Jyothi

Head, Dept. of ECE

### Programme Committee

Dr. L. Rangaiah, Dept of ECE, RRCE

Prof. Santosh Chavan, Dept of ECE, RRCE

Prof. Sunitha R, Dept of ECE, RRCE

Prof. Aruna S, Dept of ECE, RRCE

Prof. Jyothi A P, Dept of ECE, RRCE

Prof. Haritha. K, Dept of ECE, RRCE

Prof. Pushpa M J, Dept of ECE, RRCE

About RRCE: RajaRajeswari College of Engineering (RRCE), established in the year 2006 under the shelter of Moogambigai Charitable and Educational Trust, estab-

### Programme Schedule

- Day 1 - Microcontroller/Processor architecture
- Day 2 - Managing student projects
- Day 3 - High-end Microcontroller and Python Programming for Embedded design

### Contact:

Prof. Haritha. K, Dept of ECE, RRCE

Mob: 9740066955

Prof. Pushpa M J, Dept of ECE, RRCE

Mob: 8277096681

### Address for Communication

Dept. of Electronics and Communication  
Engg.

RajaRajeswari College of Engineering,

Mysore road, Kumbalagodu,

Bengaluru -560074

Phone : 080- 28437124, 28437375

Fax: 080- 28437373

## FACULTY DEVELOPMENT PROGRAMME ON

“EMBEDDED DESIGN USING  
HIGH END PROCESSOR ”

29<sup>th</sup>-31<sup>st</sup> July and 1<sup>st</sup> August, 2017



### ORGANIZED BY

Dept. of Electronics & Communication  
Engineering

(NBA Accredited Department)

RajaRajeswari College of Engineering  
(NAAC: "A" Grade Accredited & ISO  
9001:2008)

Mysore Road, Bengaluru - 560 074.

Ph: + 91-80-28437124

Fax: +91- 80-28437373

Website: [www.rrce.org](http://www.rrce.org)





# RAJARAJESWARI COLLEGE OF ENGINEERING

Ramohalli Cross, Kumbalagodu, Mysore Road,  
Bengaluru-560074.




DEPT. OF ELECTRONICS AND COMMUNICATION ENGINEERING

## FACULTY DEVELOPMENT PROGRAMME ON

### "EMBEDDED DESIGN USING HIGH END PROCESSOR"

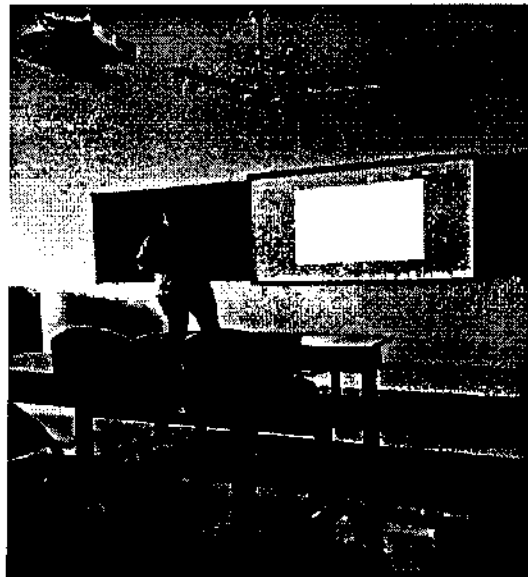
- **Date of FDP:** 29<sup>th</sup>-31<sup>st</sup> July and 1<sup>st</sup> August ,2017
- **Venue:** Seminar Hall, Dept of ECE,RRCE
- **FDP objective:** The objective of this FDP is to make the faculty comfortable dealing with high end processor such as ARM Cortex-32 and MSB-430 etc .The FDP is organized in such a way faculty get the understanding of processor/controller architecture in detail. The usage of the processor needs to understanding of assembly instructions, modes of operations and higher level language such as python to write higher applications. Faculties were given awareness on guiding, developing and documenting projects in right way.

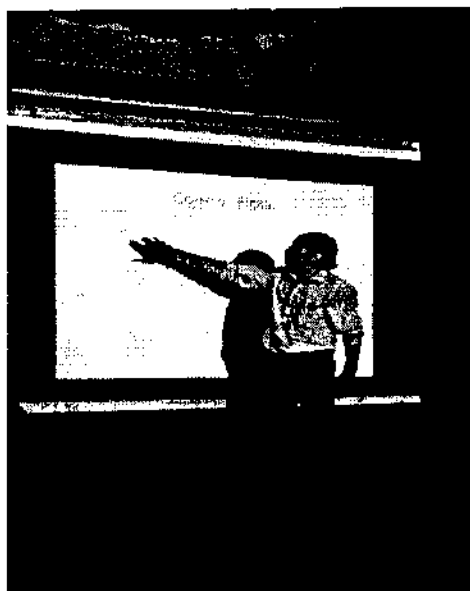
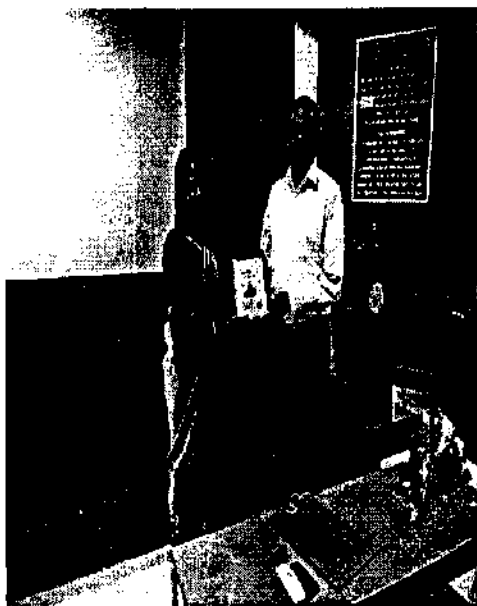
Sl No.	Date	Time	Topic	Resource person
1.	29/07/2017 (Saturday)	9:30AM to 12:30PM	Microcontroller/Processor architecture	<b>G Prashanth Reddy</b> Team leader,Intel India, Bangalore
2.	31/07/2017 (Monday)	10:00 AM to 12:45 PM  2:00 PM to 3:30 PM	Managing student projects	<b>Dr.L Swarnajyothi</b> HOD of ECE, RRCE, Bangalore   <b>PROFESSOR &amp; HEAD</b> DEPT. OF ELECTRONICS & COMMUNICATION ENG RAJARAJESWARI COLLEGE OF ENGG. BENGALURU - 560 074

3	1/8/2017 (Tuesday)	9:30 AM to 12:30 PM	High-end Microcontroller such as Arm Cortex & MSP430 for embedded design	<b>Kumaraswamy K V</b> Technical Manager, Tech Labs, Bangalore
		2:00 PM to 4:00 PM	Python Programming for Embedded design	<b>Dr. Soven K dana</b> Professor, ECE,RRCE Bangalore

- **Total num of participants: 20**
- **FDP Outcomes:**
  - Most of the resource persons are from industry with vast relevant experience, so their sessions benefited the faculty in understanding the concepts clearly and the industry perspective of Embedded system design and development.
  - Participants have gain knowledge about how industry working with silicon development fabrication, original device manufacturing and original equipment manufacturing and marketing with some examples such as Samsung, Intel, PCB design etc.
  - Participants have gained the knowledge on writing programs using python







# RajaRajeswari College of Engineering

No.14, Ramohalli Cross, Kumbalgodu, Mysore Road, Bengaluru-560 074








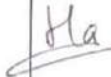











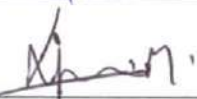




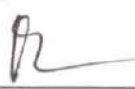










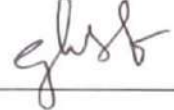

















(APPROVED BY AICTE, NEW DELHI & AFFILIATED TO VTU, BELAGAVI)






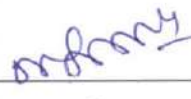
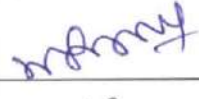


















DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

FDP ON "EMBEDDED DESIGN USING HIGH END PROCESSOR"

29<sup>th</sup>-31<sup>st</sup> July and 01<sup>st</sup> August, 2017

## Attendance Sheet

S. NO	Name of the Faculty	Day-1 29-07-2017	Day-2 30-07-2017	Day-3 31-07-2017	Day-4 01-08-2017
1	Dr. P.V. Rao				
2	Harish NJ				
3	P. Bhraman				
4	Dr. Aarthi Avanthiga				
5	Haritha. k.				
6	AJAY.M.				
7	Vani.S.K				
8	Prof. Jagas M				
9	soleelha.k				
10	Santosh .g				
11	V SRERAM				
12	Pushpa.M				
13	Santosh cheeran				
14	Aruna. S				

15	Sumithamanraj				
16	M. Suresh				
17	Jyothi. A. P				
18	Chaitanya. S				
19	Sumitha R				
20	Smiravak				
21					
22				 <b>PROFESSOR &amp; HEAD</b> DEPT. OF ELECTRONICS & COMMUNICATION ENG. RAJARAJESWARI COLLEGE OF ENG. BENGALURU - 560 074	
23					
24					
25					
26					
27					
28					
30					
31					
32					
33					
34					



# RajaRajeswari College of Engineering

No.14, Ramohalli Cross, Kumbalagodu, Mysore Road, Bengaluru-560 074  
(APPROVED BY AICTE, NEW DELHI & AFFILIATED TO VTU, BELAGAVI)

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

FACULTY DEVELOPMENT PROGRAMME

ON

“EMBEDDED DESIGN USING HIGH END PROCESSOR”

29<sup>th</sup>-31<sup>st</sup> July and 1<sup>st</sup> August, 2017

## FEEDBACK ON FDP

Please tick the appropriate option.

1. How did you get to know about the FDP? Through:

(a) Friends (b) Brochure (c) College website (d) e-mail (e) Any other (mention) or

2. Was the information in the FDP useful? L Yes /No

3. Rate the following on a scale of 1 to 5

(1-Not satisfactory, 2-Satisfactory, 3-Good, 4-Very good, 5-Excellent)

Information content

4

Understandability

3

Relevance of the topic to you

4

Communication of the presenter

3

Level of interaction

4

Hands on training

2

4. Quality of Equipment/Ambience etc. : Good

5. Do you want some more of such FDPs? Yes/No

If yes, suggest topics

Better

6. Suggestions/comments if any

Resource person has dragged  
the session.

\*\*\*\*\* Thank you for your valuable feedback \*\*\*\*\*





**Moogambigai Charitable And Educational Trust**

**RAJARAJESWARI COLLEGE OF ENGINEERING**

#14, Ramohalli Cross, Kumbalagodu, Mysore Road, Bangalore-560074

(Affiliated to the VTU, Belagavi & Approved by AICTE, New Delhi)



**ELECTRONICS & COMMUNICATION ENGINEERING**

*A Three Day FDP*

On

***EMBEDDED DESIGN USING HIGH END PROCESSOR***

**PARTICIPATION CERTIFICATE**

This is to certify that **Mrs. Vani S Badiger** of **Rajarajeswari college of engineering** has participated in a three day FDP on “Embedded Design Using High End Processor”, organized by the Department of Electronics and Communication Engineering, from 29<sup>th</sup>-31<sup>st</sup> July and 1<sup>st</sup> August, 2017.

Head of the Department  
**DR. L.SWARNA JYOTHI**

Principal  
**DR. R. BALAKRISHNA**



**Moogambigai Charitable And Educational Trust**  
**RAJARAJESWARI COLLEGE OF ENGINEERING**

#14, Ramohalli Cross, Kumbalagodu, Mysore Road, Bangalore-560074  
(Affiliated to the VTU, Belagavi & Approved by AICTE, New Delhi)

**ELECTRONICS & COMMUNICATION ENGINEERING**

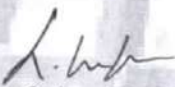
*A Three Day FDP*

On

***EMBEDDED DESIGN USING HIGH END PROCESSOR***

**PARTICIPATION CERTIFICATE**

This is to certify that **Dr. P. V. Rao** of **Rajarajeswari college of engineering** has participated in a three day FDP on “Embedded Design Using High End Processor”, organized by the Department of Electronics and Communication Engineering, from 29<sup>th</sup>-31<sup>st</sup> July and 1<sup>st</sup> August, 2017.

  
Head of the Department  
**DR. L.SWARNA JYOTHI**

  
Principal  
**DR. R. BALAKRISHNA**



lished in the year 1992 with the sole objective for starting institutions of higher education of exemplary stature in the State of Karnataka. RRCE is recognized by AICTE, New Delhi and is affiliated to Visvesvaraya Technological University (VTU), Belagavi, Karnataka & accredited by NAAC with "A" grade.



The Institute offers six UG courses (Electronics & Communication, Civil, Computer Science, Information Science, Mechanical, Electrical & Electronics Engineering) and seven PG courses (Master of Technology in Digital Electronics & Communication, Communication Systems, Computer Science & Engineering, Computer Network Engineering, Thermal Power Engineering, Master of Business Administration & Master of Computer Applications, also 7 R&D programs. The college has unique well equipped laboratories, library, digital library, computing and sports facilities along with other amenities. The college is located at a distance of 18 kms from Bengaluru City Railway Station on Mysore road.

**About Department:** The Department of Electronics and Communication has been functioning with efficient leadership since 2006. The Department offers UG, PG and Ph.D. Programs under VTU. The program is accredited by NBA. The objective of the Department is to develop professionals having good skills, self-learning ability and confidence to support and contribute to the growth of relevant industries. The students have strong base in basic science, mathematics and inter disciplinary engineering and advances that are being made in this rapidly changing field and provided opportunities to gain vital practical experience. Project based learning is given much weightage. Theoretical Knowledge is supplemented with ability to analyze, design and provide technical solutions that have real life value.

**FDP Objective:** The objective of this FDP is to make the faculty comfortable dealing with high end processor such as ARM Cortex-32 and MSP-430 etc. The FDP is organized in such a way faculty get the understanding of processor/controller architecture in detail. The usage of the processor needs to understanding of assembly instructions, modes of operations and higher level language such as python to write higher applications. Faculties were given awareness on guiding, developing and documenting projects in right way.

#### Date and Venue

The FDP will be held from 29<sup>th</sup> -31<sup>st</sup> July and 1<sup>st</sup> August 2017 at Seminar Hall, RRCE, Bengaluru - 560074

#### Resource Persons:

- Mr. Vishnu, Network Engineer, Nihan Communication Pvt Ltd, Bangalore
- Mr. Akshay, Network Engineer, Nihan Communication Pvt Ltd, Bangalore
- Dr. L. Swarna Jyothi, Head, Dept of ECE, RRCE
- Dr. L. Rangaiah, Professor, Dept of ECE, RRCE
- Prof. Sunitha R, Associate Professor, Dept of ECE, RRCE
- Prof. Jyothi A P, Assistant Professor, Dept of ECE, RRCE

#### Participants:

Academicians, Research Scholars, R & D personel of all related Engineering fields are invited to participate.

Registration forms are available in the college website.  
[www.rrce.org](http://www.rrce.org)

Registration Fee - 200/- per head.

*C. Rangaiah*  
**PROFESSOR & HEAD**  
DEPT OF ELECTRONICS & COMMUNICATION  
RAJA RAJESWARI COLLEGE OF ENGINEERING

## A THREE DAY FACULTY DEVELOPMENT PROGRAMME ON EMBEDDED DESIGN USING HIGH END PROCESSOR

29<sup>th</sup>-31<sup>st</sup> July and 1<sup>st</sup> August 2017

### Department of ELECTRONICS & COMMUNICATION ENGINEERING

Raja Rajeswari College of Engineering

Mysore road, Kumbalagodu

Bengaluru - 560074

PH: 01-80-28437373, 28437375

FAX: 01-80-28437124

### REGISTRATION FORM

Name \_\_\_\_\_

Designation \_\_\_\_\_

Organization \_\_\_\_\_

Address \_\_\_\_\_

Phone \_\_\_\_\_

E-mail \_\_\_\_\_

☐ I intend to attend the FDP

Date \_\_\_\_\_

Place \_\_\_\_\_

Signature of the Participant \_\_\_\_\_

**RAJARAJESWARI COLLEGE OF ENGINEERING**

Approved by AICTE, New Delhi.

Affiliated to the Visvesvaraya Technological University, Belagavi



Criterion: 6

Academic Year: 2017-18



**Circular**

Date: 28/7/2017

All the faculty are hereby informed that the CSE department is organizing a faculty development program from 1-8-2017 to 5-8-2017. All the faculty members are encouraged to attend the program.

**Head of the Department**

Professor & Head, Computer Science & Engineering  
RAJARAJESWARI COLLEGE OF ENGINEERING  
BENGALURU - 560 074



### Chief Patron

**Dr. A C Shanmugam**, B.A.LLB, FIMSA, FRCPS (Glasgow, UK)

Chairman, RajaRajeswari Group of Institutions

### Sri. A C S Arun Kumar

B.Tech (Hons), LMISTE, MIET, (UK), LMCSI

Vice-Chairman, RajaRajeswari Group of Institutions

### Patrons

#### Dr. S Vijayanand

Executive Director, RajaRajeswari Group of Institutions

#### Sri C N Seetharam IAS (Retd)

Chief Executive officer, RRGI

#### Dr. S Jeyabalan

Special Officer, RRGI

### Co-Patrons

#### Dr. R. Balakrishna

Principal, RRCE

#### Dr. Usha S

Professor and Head

Dept. of Computer Science & Engineering

### Organizing Secretary

#### Dr. Usha S

Professor and Head

Dept. of Computer Science & Engineering

### Resource Person

#### Mr. Prasanna

Technical Head,  
LiveWire, Bangalore

### Organizing Members

All staffs of CSE department

### Date and Venue

1<sup>st</sup> – 5<sup>th</sup> August 2017

09:30AM – 04:00PM

CSE Seminar Hall,

Department of CSE, RRCE

### Address for Communication

Dept. of Computer Science & Engg.

RajaRajeswari College of Engineering,

Mysore road, Kumbalagodu,

Bengaluru -560074

Phone: 080- 28437124, 28437375

Fax: 080- 28437373

# RajaRajeswari College of Engineering

Mysore Road, Bengaluru - 560 074

Website: [www.rrce.org](http://www.rrce.org)



5 Days Faculty Development  
Program on

“Advanced Networking”

1<sup>st</sup> – 5<sup>th</sup> August 2017



Organized

By

Department of Computer Science & Engineering

In association with

**LIVewire™**  
FOR LIVE CAREERS

  
Professor & Head, Computer Science & Engineering  
RAJARAJESWARI COLLEGE OF ENGINEERING  
BENGALURU - 560 074



**About the Institution:** RajaRajeswari College of Engineering (RRCE) was started in the year 2006 and is managed by Moogambigai Charitable and Education Trust (MCET), Bangalore. The College is approved by All India Council for Technical Education (AICTE), New Delhi, Govt. of Karnataka and is affiliated to Visvesvaraya Technological University (VTU) Belgaum.

The Institute offers 7 UG courses (Civil, Electronics, Computer Science & Engineering, Information Science & Engineering, Mechanical, Telecommunication & Electrical Engineering) and 5 PG courses Master of Business Administration, Master of Computer Applications, M.Tech in ECE, M.Tech in CSE and M.Tech in Mechanical and also 7 VTU affiliated R&D centers. All the Departments have well qualified staff and well equipped laboratories, library, central computing and sports facilities along with other amenities. This institution organizes international and national conferences, FDPs, Seminars and technical talks on a regular basis

**About CSE:** Dept. of CSE was established in 2006 with an intake of 60. It has been raised to 180. CSE department is rich enough to organize and encourage Students, teaching & non-teaching staffs by conducting various events like Workshops, Technical Seminars, Expert Lectures, FDPs, Industry Visits and Symposiums etc. Postgraduate for CSE was established in 2013-14 with an intake of 18, which is affiliated

to VTU and approved by All India Council for Technical Education (AICTE). The M.Tech programme in Computer Science and Engineering imparts a breadth of advanced knowledge in various areas of computer science. The programme is designed such that a student can complete it based on advanced coursework alone. However, the students are given the option to concentrate on a problem by substituting some of the courses with equivalent project work. Postgraduate for Computer Networking and Engineering was established in 2014 with an intake of 18, which is affiliated to VTU and approved by All India Council for Technical Education (AICTE).

#### **Departmental Vision**

*"To emerge as a leading Department in the field of Computer Science & Engineering in the state of Karnataka."*

#### **Departmental Mission**

*"The Department of CSE will create high quality professionals in Computer Science & Engineering and to foster leading edge research and to equip students to succeed and contribute to industry and society."*

## **Rajarajeswari College of Engineering**

Department of Computer Science & Engineering

### **5 Days Faculty Development Programme On**

**"Advanced Networking"**

**1<sup>st</sup> – 5<sup>th</sup> August 2017**

#### **REGISTRATION FORM**

Name: \_\_\_\_\_

Designation: \_\_\_\_\_

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

College: \_\_\_\_\_

Address: \_\_\_\_\_  
\_\_\_\_\_

Phone: \_\_\_\_\_ Mob: \_\_\_\_\_

Email: \_\_\_\_\_

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

## RAJARAJESWARI COLLEGE OF ENGINEERING

Approved by AICTE, New Delhi.  
Affiliated to the Visvesvaraya Technological University, Belagavi

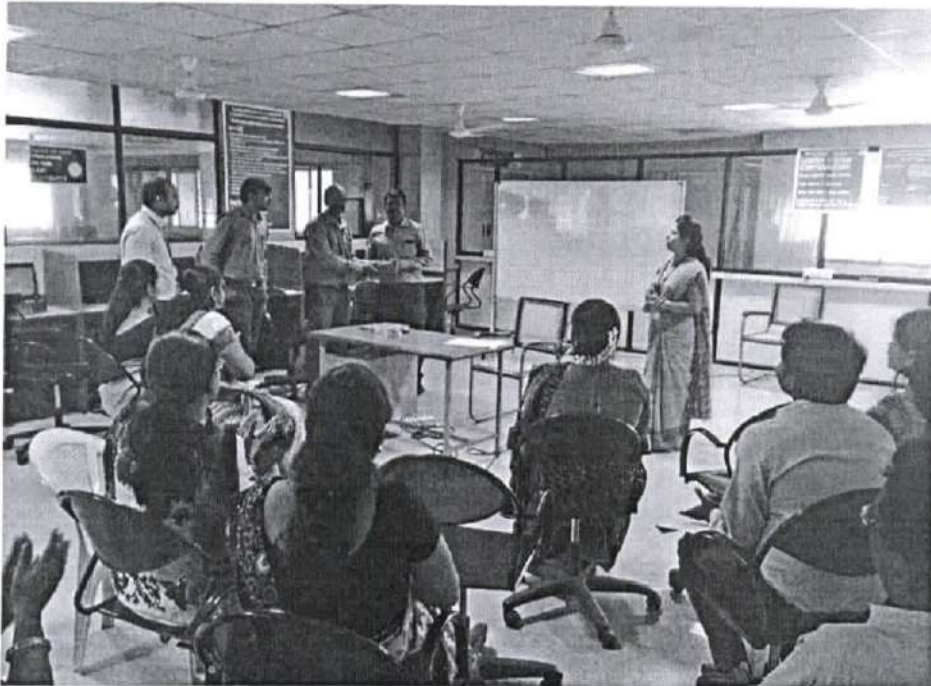


Criterion:

Academic Year: 2017-18



Event Photo:



  
Co-ordinator

  
Head of the Department

Professor & Head, Computer Science & Engineering  
RAJARAJESWARI COLLEGE OF ENGINEERING  
BENGALURU - 560 074

# RAJARAJESWARI COLLEGE OF ENGINEERING

Approved by AICTE, New Delhi.  
Affiliated to the Visvesvaraya Technological University, Belagavi



## DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Faculty Development program on “Advanced Networking”

### Feedback Form

Questionnaires	Below Average	Average	Fair	Good	Very Good
1. Was the FDP informative?				✓	
2. Were the points of discussions, topics absolutely easy & understandable?			✓		
3. FDP for the current scenario is it useful?					✓
4. Are you satisfied with the outcome of this FDP?					✓



Moogambigai Charitable and Educational Trust  
**RAJARAJESWARI COLLEGE OF ENGINEERING**

#14, Ramohalli Cross, Kumbalgodu, Mysore Road, Bengaluru-560074.  
(Affiliated to VTU, Belgaum, Approved by AICTE, New Delhi. NAAC 'A' Grade Accredited)



*DEPARTMENT OF COMPUTER SCIENCE ENGINEERING*  
( NBA Accredited Department)

**CERTIFICATE**

*This is to certify that Dr/ Prof.....Prabaharan.....J.....of.....CSE.....Dept.  
of.....RRCE....., has attended 5 Days FDP on "Advanced Networking" from 1<sup>st</sup> to  
5<sup>th</sup> August 2017.*

**Dr.S .Usha**

Professor & Head, Dept of CSE

**Dr. R Balakrishna**

Principal, RRCE





## RAJARAJESWARI COLLEGE OF ENGINEERING

Approved by AICTE, New Delhi.  
Affiliated to the Visvesvaraya Technological University, Belagavi  
Academic Year:



### DEPARTMENT OF CIVIL ENGINEERING

#### Circular

Date: 17/8/2017

All the faculty are hereby informed that the CIVIL ENGINEERING department is organizing a faculty development program on “**Trends in Environmental Engineering & Global Issues**” from 21-8-2017 to 25-8-2017. All the faculty members are encouraged to attend the program.

**Head of the Department**

Professor & HOD  
Department of Civil Engineering  
RAJARAJESWARI COLLEGE OF ENGINEERING  
Bengaluru-74



**Chief Patron:**

Sri A.C. Shanmugham  
Chairman, RR Group of Institutions

Sri A.C.S. ArunKumar  
Vice-Chairman, RR Group of  
Institutions

**Patrons:**

Sri Vijayanand S.  
Executive Director, RR Group of  
Institutions

Sri, C.N.Seetharam  
Chief Executive officer, RRG I

Sri, S.Jayabalan  
Special officer, RR Group of  
Institutions

**Co Patrons**

Dr.T.R.Gopalkrishnan Nair  
Rector, RR Group of Institutions

Dr.R.Balakrishna  
Principal, RRCE

Convener  
Dr. H S Govardhana Swamy  
Professor and Head  
Department of Civil Engineering

**INVITATION**

**FOR**

**Faculty Development Program**

**ON**

**“Trends in Environmental Engineering &  
Global Issues”**

**Inauguration**

**Date and Venue:**

**21/08/2017-25/8/2017**

**9.0 am – 10.0am**


**Civil Seminar Hall**

**By**

**Civil Engineering Department**

**Your's sincerely**

**Dr. H S Govardhana Swamy  
Professor and Head  
Department of Civil Engineering**

  
Professor & HOD  
Department of Civil Engineering  
RAJARAJESWARI COLLEGE OF ENGINEERING  
Bangalore-74

**REGISTRATION FORM**  
**5-DAY FDP ON**  
**Trends in Environmental**  
**Engineering & Global Issues**

On  
21/8/2017 to 25/8/2017

Registration fees: Nil

Limited seats are available. On  
first come first serve basis.

All are cordially invited

Note: Interested faculty members of RRCE may  
please contact Prof Abhish M.S for registration

All communications may be made to:

**Dr. H.S. Govardhana Swamy**

Organizing Secretary - RACE 16

Professor & Head

Department of Civil Engineering, RajaRajeswari

College of Engineering, Kumbalagodu,

Near Ramohalli Cross, Bangalore - 560074. E-Mail :

hsgrce@gmail.com

Mobile : 9663736535

**5-DAY FDP ON**  
**Trends in Environmental**  
**Engineering & Global Issues**

On  
21/8/2017 to 25/8/2017



Organized By  
**Department of Civil Engineering**

**RAJARAJESWARI COLLEGE**

**OF ENGINEERING**

(Affiliated to Visvesvaraya Technological  
University, Belgaum & Recognized by the  
AICTE, New Delhi)

#14, Ramohalli Cross, Kumbalagodu,  
Mysore Road, Bengaluru - 560074.

**Professor & HOD**

**Department of Civil Engineering**  
**RAJARAJESWARI COLLEGE OF ENGINEERING**

1. Name \_\_\_\_\_

2. Designation \_\_\_\_\_

3. Department \_\_\_\_\_

4. Qualification \_\_\_\_\_

5. Institution \_\_\_\_\_

6. Address \_\_\_\_\_

7. Email \_\_\_\_\_

8. Tel: \_\_\_\_\_

Signature of the Participant

# RAJARAJESWARI COLLEGE OF ENGINEERING

Approved by AICTE, New Delhi.  
Affiliated to the Visvesvaraya Technological University, Belagavi




## DEPARTMENT OF CIVIL ENGINEERING

### 5 day Faculty Development program on “Environmental Engineering & Global Issues”

#### Event schedule

Date	10.00 AM to 1.00 AM	1.00 to 2.00PM	2.00 PM to 4.00 PM
21/08/2017	Session 1: water quality and pollution control Resource Person: Mr.Ajit Sabnis	Lunch	Session 2: air quality and pollution control, Resource Person: Mr.Abhishek
22/08/2017	Session 3: occupational health Resource Person: Mr.Abhishek	Lunch	Session 4: storm water management, Resource Person: Mrs. veena
23/08/2017	Session 5: Global Warming. Resource Person: Mrs. veena	Lunch	Session 6: Depletion of the Atmospheric Ozone. Resource Person: abhish
24/08/2017	Session 7: Acid Precipitation and Air Pollution Resource Person: Mr. ramana	Lunch	Session 8: solid and hazardous waste management Resource Person: Mr.Naveen
25/08/2017	Session 9: water scarcity and water pollution Resource Person: Dr. Ramesh	Lunch	Interactive session., Feedback and Valedictory Function

  
Professor & HOD  
Department of Civil Engineering  
RAJARAJESWARI COLLEGE OF ENGINEERING  
Bengaluru-74





# RAJARAJESWARI COLLEGE OF ENGINEERING

Approved by AICTE, New Delhi.  
Affiliated to the Visvesvaraya Technological University, Belagavi

## DEPARTMENT OF CIVIL ENGINEERING

### 5 day Faculty Development program on "Environmental Engineering & Global Issues"

#### Program Report

Date: 25/8/2017

Duration : 5 Days

Target of participant: FACULTY

No. of Participants: 15

**Program objectives:** Understanding the Water Crisis, Water Security Issues and Related DRR Practices. Comprehension about existing schemes, projects, mechanisms and the participatory approaches to meet the impending water related disasters. Knowledge of Technologies available and Research Development processes being carried on to meet the needs of community. Discuss the current challenges and gaps in recent interventions for water related DRR.

**Program outcomes:** Participants got exposure to the latest trends to understand cost effective and time tested scientific innovations should be replicated elsewhere as it is not only ecologically beneficial but also has the capacity of providing livelihood as well as economic surpluses.

Head of the Department

  
Professor & HOD  
Department of Civil Engineering  
RAJARAJESWARI COLLEGE OF ENGINEERING  
Bengaluru-74

# RAJARAJESWARI COLLEGE OF ENGINEERING

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#14, Ramohalli Cross, Kumbalgodu, Mysore Road, Bengaluru-74

<https://www.rjce.org>


Professor S. H. S.  
Department of Civil Engineering  
RAJARAJESWARI COLLEGE OF ENGINEERING  
Bengaluru-74

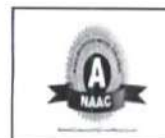


# RAJARAJESWARI COLLEGE OF ENGINEERING

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Affiliated to the Visvesvaraya Technological University, Belagavi



  
Professor & HOD  
Department of Civil Engineering  
RAJARAJESWARI COLLEGE OF ENGINEERING  
Bengaluru-74



DEPARTMENT OF CIVIL ENGINEERING

Faculty Development program on "Trends in Environmental Engineering & Global Issues"  
Attendance Sheet

Sl.No.	Name of the Faculty	Day 1 21/8/2017	Day 2 22/8/2017	Day 3 23/8/2017	Day 4 24/8/2017	Day 5 25/8/2017
1	Hema					
2	Abhishek					
3	Dr. D.C. Shan					
4	Dr. K. Arun					
5	M.C. Malavika					
6	Prasanna					
7	Ashwini					
8	Veeran					
9	Shalini G.V.					
10	KAVY APM					
11	V.M. SARASWATHI					
12	MANIVATHA					
13	Avinash					
14	Chelvan					
15	Shardan					

Professor & HOD  
Department of Civil Engineering  
RAJARAJESWARI COLLEGE OF ENGINEERING

# RAJARAJESWARI COLLEGE OF ENGINEERING

Approved by AICTE, New Delhi.  
Affiliated to the Visvesvaraya Technological University, Belagavi



## DEPARTMENT OF CIVIL ENGINEERING FEEDBACK FORM

Date: 25/8/17 Event Name: Trends in Environmental Engineering and Global Issues.

Please indicate the extent to which you agree with the following statements

1. Information provided at this event is relevant to you

Excellent	Very good	Good	Satisfactory	Poor
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

2. You are likely to use this information in the future

Excellent	Very good	Good	Satisfactory	Poor
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

3. Resources provided at this event are relevant to you

4. You are likely to use these resources in the future

Excellent	Very good	Good	Satisfactory	Poor
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

5. Presentations were interesting

6. You would recommend this event to others

Excellent	Very good	Good	Satisfactory	Poor
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

7. There were opportunities to network with other stakeholders

8. Overall, the event was worthwhile

Excellent	Very good	Good	Satisfactory	Poor
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>


9. The venue was suitable

10. The venue was easy to get to

11. Refreshments were suitable

12. Other comments

THANK YOU FOR YOUR FEEDBACK

  
Professor & HOD  
Department of Civil Engineering  
RAJARAJESWARI COLLEGE OF ENGINEERING  
Bengaluru-74

# RAJARAJESWARI COLLEGE OF ENGINEERING

Approved by AICTE, New Delhi.

Affiliated to the Visvesvaraya Technological University, Belagavi



## DEPARTMENT OF CIVIL ENGINEERING FEEDBACK FORM

Date: 25-08-2017 Event Name Trends in Environmental Engineering and Global Issue.

Please indicate the extent to which you agree with the following statements

1. Information provided at this event is relevant to you

Excellent	Very good	Good	Satisfactory	Poor
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

2. You are likely to use this information in the future

Excellent	Very good	Good	Satisfactory	Poor
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

3. Resources provided at this event are relevant to you

4. You are likely to use these resources in the future

Excellent	Very good	Good	Satisfactory	Poor
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

5. Presentations were interesting

6. You would recommend this event to others

Excellent	Very good	Good	Satisfactory	Poor
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

7. There were opportunities to network with other stakeholders

8. Overall, the event was worthwhile

Excellent	Very good	Good	Satisfactory	Poor
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

9. The venue was suitable

10. The venue was easy to get to

11. Refreshments were suitable

12. Other comments

THANK YOU FOR YOUR FEEDBACK

*Dr. J. S. S.*  
PROFESSOR & HOD  
Department of Civil Engineering  
RAJARAJESWARI COLLEGE OF ENGINEERING  
Bengaluru-74



# RAJARAJESWARI COLLEGE OF ENGINEERING

Approved by AICTE, New Delhi.

Affiliated to the Visvesvaraya Technological University, Belagavi



## DEPARTMENT OF CIVIL ENGINEERING FEEDBACK FORM

Date: 25/08/2019 Event Name: Trends in Environmental Engg & Global issues

Please indicate the extent to which you agree with the following statements

1. Information provided at this event is relevant to you

Excellent	Very good	Good	Satisfactory	Poor
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

2. You are likely to use this information in the future

Excellent	Very good	Good	Satisfactory	Poor
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

3. Resources provided at this event are relevant to you

4. You are likely to use these resources in the future

Excellent	Very good	Good	Satisfactory	Poor
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

5. Presentations were interesting

6. You would recommend this event to others

Excellent	Very good	Good	Satisfactory	Poor
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

7. There were opportunities to network with other stakeholders

8. Overall, the event was worthwhile

Excellent	Very good	Good	Satisfactory	Poor
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

9. The venue was suitable

10. The venue was easy to get to

11. Refreshments were suitable

12. Other comments

THANK YOU FOR YOUR FEEDBACK

*Prof. Dr. R. K. RAO*  
Department of Civil Engineering  
RAJARAJESWARI COLLEGE OF ENGINEERING  
Bengaluru-74

# RAJARAJESWARI COLLEGE OF ENGINEERING

Approved by AICTE, New Delhi.  
Affiliated to the Visvesvaraya Technological University, Belagavi



## DEPARTMENT OF CIVIL ENGINEERING FEEDBACK FORM

Date: 25/8/2017 Event Name: Trends in Environmental Engineering & global issues

Please indicate the extent to which you agree with the following statements

1. Information provided at this event is relevant to you

Excellent	Very good	Good	Satisfactory	Poor
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

2. You are likely to use this information in the future

Excellent	Very good	Good	Satisfactory	Poor
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

3. Resources provided at this event are relevant to you

4. You are likely to use these resources in the future

Excellent	Very good	Good	Satisfactory	Poor
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

5. Presentations were interesting

6. You would recommend this event to others

Excellent	Very good	Good	Satisfactory	Poor
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

7. There were opportunities to network with other stakeholders

8. Overall, the event was worthwhile

Excellent	Very good	Good	Satisfactory	Poor
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

9. The venue was suitable

10. The venue was easy to get to

11. Refreshments were suitable

12. Other comments

THANK YOU FOR YOUR FEEDBACK

Professor R. K. HOD  
Department of Civil Engineering  
RAJARAJESWARI COLLEGE OF ENGINEERING  
Bengaluru-74



# RAJARAJESWARI COLLEGE OF ENGINEERING

Approved by AICTE, New Delhi.  
Affiliated to the Visvesvaraya Technological University, Belagavi



## DEPARTMENT OF CIVIL ENGINEERING FEEDBACK FORM

Date: 25/08/2017

Event Name Seminar in Environmental Engineering and global issues.

Please indicate the extent to which you agree with the following statements

1. Information provided at this event is relevant to you

Excellent	Very good	Good	Satisfactory	Poor
	✓			
	✓			

2. You are likely to use this information in the future

Excellent	Very good	Good	Satisfactory	Poor
✓				
✓				

3. Resources provided at this event are relevant to you

4. You are likely to use these resources in the future

Excellent	Very good	Good	Satisfactory	Poor
✓				
	✓			

5. Presentations were interesting

6. You would recommend this event to others

Excellent	Very good	Good	Satisfactory	Poor
✓				

7. There were opportunities to network with other stakeholders

8. Overall, the event was worthwhile

Excellent	Very good	Good	Satisfactory	Poor
	✓			
✓				
	✓			
✓				

9. The venue was suitable

10. The venue was easy to get to

11. Refreshments were suitable

12. Other comments

THANK YOU FOR YOUR FEEDBACK

Professor R. MDO  
Department of Civil Engineering  
RAJARAJESWARI COLLEGE OF ENGINEERING  
Bengaluru 74

# RAJARAJESWARI COLLEGE OF ENGINEERING

Approved by AICTE, New Delhi.  
Affiliated to the Visvesvaraya Technological University, Belagavi



## DEPARTMENT OF CIVIL ENGINEERING FEEDBACK FORM

Date: 25/02/2017 Event Name: Trains in environmental engineering and global issues.

Please indicate the extent to which you agree with the following statements

1. Information provided at this event is relevant to you

Excellent	Very good	Good	Satisfactory	Poor
✓				
✓				

2. You are likely to use this information in the future

Excellent	Very good	Good	Satisfactory	Poor
✓				
	✓			

3. Resources provided at this event are relevant to you

4. You are likely to use these resources in the future

Excellent	Very good	Good	Satisfactory	Poor
✓				
	✓			

5. Presentations were interesting

6. You would recommend this event to others

Excellent	Very good	Good	Satisfactory	Poor
✓				
	✓			

7. There were opportunities to network with other stakeholders

8. Overall, the event was worthwhile

Excellent	Very good	Good	Satisfactory	Poor
✓				
✓				
✓				
NIL				

9. The venue was suitable

10. The venue was easy to get to

11. Refreshments were suitable

12. Other comments

THANK YOU FOR YOUR FEEDBACK

*Je*  
Professor & HOD  
Department of Civil Engineering  
RAJARAJESWARI COLLEGE OF ENGINEERING  
Bengaluru-74

# RAJARAJESWARI COLLEGE OF ENGINEERING

Approved by AICTE, New Delhi.  
Affiliated to the Visvesvaraya Technological University, Belagavi



## DEPARTMENT OF CIVIL ENGINEERING FEEDBACK FORM

Date: 25/08/2017 Event Name: Trends in Environmental Engineering And Global Issues.

Please indicate the extent to which you agree with the following statements

1. Information provided at this event is relevant to you

Excellent	Very good	Good	Satisfactory	Poor
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

2. You are likely to use this information in the future

Excellent	Very good	Good	Satisfactory	Poor
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

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4. You are likely to use these resources in the future

Excellent	Very good	Good	Satisfactory	Poor
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

5. Presentations were interesting

6. You would recommend this event to others

Excellent	Very good	Good	Satisfactory	Poor
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

7. There were opportunities to network with other stakeholders

8. Overall, the event was worthwhile

Excellent	Very good	Good	Satisfactory	Poor
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

9. The venue was suitable

10. The venue was easy to get to

11. Refreshments were suitable

12. Other comments

THANK YOU FOR YOUR FEEDBACK

Professor S. M. D.  
Department of Civil Engineering  
RAJARAJESWARI COLLEGE OF ENGINEERING  
Bengaluru-74



# RAJARAJESWARI COLLEGE OF ENGINEERING

Approved by AICTE, New Delhi.

Affiliated to the Visvesvaraya Technological University, Belagavi



## DEPARTMENT OF CIVIL ENGINEERING FEEDBACK FORM

Date: 25/8/17 Event Name Trends in Environmental Engg and Global issue

Please indicate the extent to which you agree with the following statements

1. Information provided at this event is relevant to you

Excellent	Very good	Good	Satisfactory	Poor
	<input checked="" type="checkbox"/>			
<input checked="" type="checkbox"/>				

2. You are likely to use this information in the future

Excellent	Very good	Good	Satisfactory	Poor
	<input checked="" type="checkbox"/>			
<input checked="" type="checkbox"/>				

3. Resources provided at this event are relevant to you

4. You are likely to use these resources in the future

Excellent	Very good	Good	Satisfactory	Poor
<input checked="" type="checkbox"/>				
	<input checked="" type="checkbox"/>			

5. Presentations were interesting

6. You would recommend this event to others

Excellent	Very good	Good	Satisfactory	Poor
	<input checked="" type="checkbox"/>			
	<input checked="" type="checkbox"/>			

7. There were opportunities to network with other stakeholders

8. Overall, the event was worthwhile

Excellent	Very good	Good	Satisfactory	Poor
<input checked="" type="checkbox"/>				
	<input checked="" type="checkbox"/>			
<input checked="" type="checkbox"/>				

9. The venue was suitable

10. The venue was easy to get to

11. Refreshments were suitable

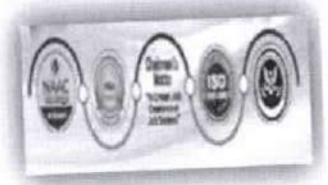
12. Other comments

THANK YOU FOR YOUR FEEDBACK

*[Signature]*  
Department of Civil Engineering  
RAJARAJESWARI COLLEGE OF ENGINEERING  
Bengaluru-74



**RAJARAJESWARI COLLEGE OF ENGINEERING**  
(Affiliated to the Visvesvaraya Technological University, Belgaum)  
#14, Ramohalli Cross, Kumbalagodu, Mysore Road, Bengaluru- 560074.



**DEPARTMENT OF CIVIL ENGINEERING**  
**CERTIFICATE**

This is to certify that <sup>✓</sup>Mr/Ms/Dr/Mrs ABHISH. M. S of  
RRCE, B'lore has successfully completed the 5-DAY FDP ON Trends in Environmental  
Engineering & Global Issues from 21<sup>st</sup> to 25<sup>th</sup> AUG 2017.

*for*  
**HOD**

**Dr. H.S Govardhanaswamy**

*RRK*

**Principal**  
**Dr. R.Balakrishna**





# RajaRajeswari College of Engineering

(Approved by AICTE, New Delhi, Govt. of Karnataka, Affiliated to Varadacharya Technological University,  
Belagavi)

#14, Ramahalli Cross, Kumbalgodu, Mysore Road, Bengaluru - 560074

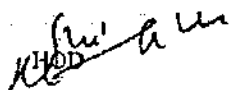


## Department of Electrical & Electronics Engineering

Date: 12/10/2017

### CIRCULAR

We are happy to inform that Faculty development Program Webinar on Outcome Based Pedagogic Principles for Effective Teaching (NPTEL) by Dr.SK Das Mandal Asst prof, IIT Kharagpur & Dr. Tamali Bhattacharyya Project manager IIT Kharagpur on 19/10/2017 and 21/10/2017.

  
KHOD  
Professor S. K. Das  
Dept. of Electrical & Electronics Engg.  
RajaRajeswari College of Engineering  
Bengaluru-74

  
Principal  
RajaRajeswari College of Engineering  
Bengaluru-74



**RAJARAJESWARI COLLEGE OF ENGINEERING**  
**DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING**  
**"TRANSFORMERZ"**  
**ASSOCIATION OF ELECTRICAL AND ELECTRONICS ENGG**

**Chief Patrons :**

Sri.A.C.Shanmugam  
 Chairman, RR Group of  
 Institutions

Sri A.C.S. Arun Kumar  
 Vice-Chairman, RR Group of  
 Institutions

**Patrons:**

Dr.S.Vijayanand  
 Executive Director, RR Group of  
 Institutions

Sri.S. Jeyabalan  
 Special officer, RR Group of  
 Institutions

Sri.C.N.Seetharam  
 CEO, RR Group of Institutions  
 Dr.T.R.Gopalakrishnan Nair  
 Rector, RR Group of Institutions

**Chairman**

Dr.R.Balakrishna  
 Principal, RRCE

**Organizing Secretary**

Dr.M.Aranachalam  
 Prof & HOD, EEE  
 Student Branch Counselor

**Convener**

Prof. Sincy Elezebeth  
 Kuruvilla  
 Asst.Prof,EEE  
 Student Branch Chair

Prof. Vidyashree K

Asst. Prof. EEE

&

All Faculty Members of EEE

*Association of EEE in Collaboration with  
 RRCE- Student Branch of the IEEE  
 conducts*

**WEBINAR on**

**OUTCOME BASED PEDAGOGIC PRINCIPLES  
 FOR EFFECTIVE TEACHING**

(NPTEL)

(A Faculty Development Program -FDP)

**BY**

Dr. S. K. Das Mandal

- Asst. Prof. ,

IIT Kharagpur

Dr. Tamali Bhattacharyya - Project Manager,

IIT Kharagpur

Date: 19<sup>th</sup> & 21<sup>st</sup> of October 2017

Venue : EEE seminar Hall

(Please see the schedule attached)

**ALL ARE CORDIALLY INVITED**

Note: Interested faculty members of RRCE may please  
 contact Prof. Sincy for registration before 12/10/17. On  
 first come first serve basis, the seats are limited to 25.

Registration is free

To

All Hods of RRCE

Through The Principal of RRCE for deputing the faculty members

Principal

RAJARAJESWARI  
 COLLEGE OF ENGINEERING  
 100, Rajarajeswari Road, Bangalore-74

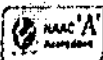
Prof. Sincy Elezebeth  
 Dept. of Electrical & Electronics Engg  
 Rajarajeswari College Of Engineering  
 Bangalore-74

Page 01 of 02 57



## RAJARAJESWARI COLLEGE OF ENGINEERING

Mysore Road, Bengaluru - 560 074



### Report on Webinar

*Association of EEE in collaboration with RRCE- Student Branch of the IEEE conducted Webinar on "Outcome Based Pedagogic Principles for Effective Teaching" (NPTEL) -A Faculty Development Program on 19th & 21st October 2017.*

#### Speakers:

**S K. Das Mandal:** He received the B.E degree in Electronics and Telecommunication engineering in 1998 and Ph.D degree in 2007 from Jadavpur University, India and currently working in Indian institute of Technology Kharagpur as an Assistant Professor. His current research interests include automatic speech recognition, speech synthesis, and computer assisted spoken language acquisition.

**Tamali Bhattacharyya:** Completed her Masters in Economics from Calcutta University in 1989 and Ph.D degree in 2012 from School of Education Technology, Jadavpur University. Her area of research is "Impact of Educational Software on learning outcome in secondary school children". Currently she is working in IIT Kharagpur as a Project Manager.

The program was commenced with the thoughts of almighty of GOD. Prof. Siney Elezebeth Kuruvilla, Asst. Prof. Dept. of EEE (Student Branch Chair) welcomed Dr. M. Arunachalam, Prof. & HoD of EEE (Student Branch Counselor), Dr. A.S.R.Murthy, Asso. Prof. Dept of EEE and all the participants. She presented the brief bio-data of the above speakers.

#### About the Webinar

Globalization, changing demographics and technological advancements are some of the key driving forces of the future. Our students will have to be prepared to face these challenges and seize the opportunities brought about by these forces. In Twenty-first Century Learning, students use educational technologies to apply knowledge to new situations, analyze information, collaborate, solve problems, and make decisions. Twenty-first century education structured should be outcome based which developed certain critical core competencies such as collaboration, digital literacy, critical thinking, and problem-solving, self learning. The curriculum should incorporate higher order thinking skills, multiple intelligences, technology and multimedia, communication skill and self learning methodology along with authenticated scientific assessments and evaluation. Curriculum should provide direction so that student can learn by themselves and work both independently and interdependently. The curriculum and

Report Submitted (BANGALORE RajaRajeswari College of Engineering-Bangalore, 19 Oct 2017)

Message

reply@ieee.org <no\_reply@ieee.org>  
sincyek@gmail.com

Tue, Oct 31, 2017 at 10:31 AM

The world's largest technical professional organization dedicated  
to advancing technology for the benefit of humanity



Title Webinar on Outcome based Pedagogic Principles for Effective Teaching (NPTEL)

Event Category Professional

Event Sub-category Professional Development

Description Association of EEE in collaboration with RRCE- Student Branch of the IEEE conducted a Faculty Development Program on 19th & 21st of Oct, 2017. The webinar was about the outcome based education. Our students have to be prepared to face the challenges and seize the opportunities. The curriculum should incorporate higher order thinking skills, multiple intelligences, technology and multimedia, communication skill and self-learning methodology.

Keywords outcome-based education

Guest Attendance 0

IEEE Member Attendance 7

Start Time 2017-10-19 10:00:00

End Time 2017-10-21 16:00:00

Time Zone Asia/Calcutta

Contact E-mail sincyek@gmail.com

Location

Region 10

Section BANGALORE

Organizational Unit RajaRajeswari College of Engineering-Bangalore

City Bangalore

State/Province Karnataka

Country India

Submission Info

Created On 2017-10-31 05:01:23 UTC

Submitter Sincy Kuruella

Submitter Email sincyek@gmail.com

"Providing tools to the volunteers and staff who support our members."

IEEE • 445 HOES LANE • PISCATAWAY, NJ 08854 USA

# RAJARAJESWARI COLLEGE OF ENGINEERING

Approved by AICTE, New Delhi. Affiliated to the Visvesvaraya Technological University, Belagavi



Criterion: FDP

Academic Year: 2017-2018

## DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING webinar on "Outcome Based Pedagogic principles for Effective Teaching (NPTEL)", (A Faculty Development Program) Attendance Sheet

Sl. No.	Name of the Faculty	Day1 19/10/2017	Day 2 21/10/2017
1	Dr. M. Arunachalam	<i>Arunachalam</i>	<i>Arunachalam</i>
2	Prof. Praveen A Patil	<i>Patil</i>	<i>Patil</i>
3	Prof. Avinash C M	<i>Avinash</i>	<i>Avinash</i>
4	Prof Vidyashree	<i>Vidyashree</i>	<i>Vidyashree</i>
5	Prof. Shivalingaiah K L	<i>Shivalingaiah</i>	<i>Shivalingaiah</i>
6	Dr. Saravanan N	<i>Saravanan</i>	<i>Saravanan</i>
7	Prof. Bharathi V	<i>Bharathi</i>	<i>Bharathi</i>
8	Prof. Nandini. N	<i>Nandini</i>	<i>Nandini</i>
9	Prof. Rashmi J V	<i>Rashmi</i>	<i>Rashmi</i>
10	Prof. Sincy Elezebeth Kuruvilla	<i>Sincy</i>	<i>Sincy</i>
11	Prof Chandrasekar	<i>Chandrasekar</i>	<i>Chandrasekar</i>
12	Prof Das	<i>Das</i>	<i>Das</i>

*[Signature]*  
Program coordinator

*[Signature]*  
HOD

Dr. Sankar & HOD  
Dept. of Electrical & Electronics Engg.  
Rajarajeswari College Of Engineering  
Bengaluru-74





Moogambigai Charitable and Educational Trust

# RajaRajeswari College of Engineering

Affiliated to VTU, Belgaum, Approved by AICET, New Delhi  
(#14, Ramohalli Cross, Kumbalagodu, Mysore Road Bangalore-560074)



## Department of Electrical & Electronics Engineering Certificate

(19<sup>th</sup> & 21<sup>st</sup> October , 2017)

This is to certify that Mr./Mrs./Ms. DEVINASH C. M. has successfully completed two days of webinar on “Outcome Based Pedagogic Principles for Effective Technology(NPTEL) ” ,(A Faculty Development Program) on 19<sup>th</sup> October 2017 and 21<sup>st</sup> October 2017 in association with the department of Electrical & Electronics Engineering.

HOD

Dr. M. Arunachalam

Principal

Dr. R. Balakrishnan





# RajaRajeswari College of Engineering

(Approved by AICTE, New Delhi, Govt. of Karnataka, Affiliated to Visvesvaraya Technological University, Belagavi)

#14, Ramohalli Cross, Kumbalgodu, Mysore Road, Bengaluru - 560074



## Department of Information Science and Engineering

### Circular

**Date: 11-11-2017**

All the faculties are hereby informed that the Information Science and Engineering department is organizing a "Cloud Computing" faculty development program from 13-11-2017 to 19-11-2017. All the faculty members are encouraged to attend the program.

  
**Head of the Department**

Professor & HOD  
Dept. of Information Science & Engg.  
RajaRajeswari College of Engineering  
Bengaluru - 560 074.

#### CHIEF PATRON

**Dr. A.C. Shanmugam**, B.A.L.L.B, FIMSA, FRCPs (Glasgow, U.K)  
Chairman, RRG, Bengaluru.

#### PATRONS

**Sri. A. C. S. ArunKumar**  
Vice-Chairman, RRG, Bengaluru.

**Dr. S. Vijayanand**  
Executive Director, RRG, Bengaluru.

**Dr. S. Jeyabalan**  
Special Officer, RRG, Bengaluru.

**Sri. C.N. Seetharaman (Retd IAS Officer)**  
CEO, RRG, Bengaluru.

#### COPATRONS

**Dr. T.R. Gopalakrishnan Nair**  
Rector, RRG, Bengaluru.

**Dr. R. Balakrishna**  
Principal, RRCE, Bengaluru.

#### ORGANIZING SECRETARY

**Dr. Amutharaj J**  
Professor & Head  
Dept of Information Science & Engineering  
Bengaluru-74.

Ph: 080-28437124-327

#### REGISTRATION

Registration to the FDP is open to personnel from Academia and Industry. The selection process is based on first come first serve basis.

Participants will be given the participation/ attendance certificates in the valedictory function.

Registration fee: Rs. 1000 (Thousand Rs Only) per participant.

#### IMPORTANT DATES

Last Date for Registration: 11th November 2017

#### VENUE

The FDP will be held at RajaRajeswari College of Engineering in APJ Abdul Kalam Conference Hall, 2<sup>nd</sup> Floor.

#### Resource person

**Dr. S. Nithyanandam**  
Special Officer,  
PRIST University,  
Tamilnadu

#### Co-ordinators

**Prof. Mrs. Rajeshwari S**  
Assistant Professor, Dept. of ISE, RRCE.

**Prof. Vinutha H**  
Assistant Professor, Dept. of ISE, RRCE.



**RAJARAJESWARI COLLEGE OF ENGINEERING**  
Mysore Road, Bengaluru - 560 074

Ph: +91-80-28437373 Fax: +91- 80-28437124  
Website: www.rrce.org



Seven Days

Faculty Development Program

" Cloud Computing "

13th November to 19th November 2017

Organized By

Department of  
Information Science & Engineering

**RAJARAJESWARI COLLEGE OF  
ENGINEERING**

(Approved by AICTE, New Delhi)  
ACCREDITED BY NAAC, 'A' Grade

**RajaRajeswari College of Engineering**  
Department of  
**Information Science & Engineering**

Seven Days Faculty Development Programme  
on

**"Cloud Computing"**

**REGISTRATION FORM**

Name: \_\_\_\_\_

(IN CAPITAL LETTERS)

Designation: \_\_\_\_\_

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

College: \_\_\_\_\_

Address: \_\_\_\_\_

Phone: \_\_\_\_\_ Mob: \_\_\_\_\_

Email: \_\_\_\_\_

Cheque / DD No: \_\_\_\_\_

Amount: \_\_\_\_\_

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

Registration fees can be paid in cash during the on-spot

\_\_\_\_\_  
Principal /  
Head of the Department

\_\_\_\_\_  
Signature  
(Participant)

**About the Institution**

Rajarajeswari College of Engineering (RRCE) was established in the year 2006 under the shelter of Moogambigai Charitable and Educational Trust (estd. 1992) with the sole object of establishing Institutions of higher education of exemplary stature in the state of Karnataka.

RRCE is approved by AICTE, New Delhi and is affiliated to Visvesvaraya Technological University (VTU), Belgaum, and Karnataka. The Institute offers six UG Engineering courses (Civil, Mechanical, Electrical & Electronics, Electronics & Communication, Computer Science & Engineering and Information Science & Engineering) and five PG courses Viz.

**About the ISE Department**

The Department of Information Science and Engineering aims at fostering excellence in academics & research. Over the years it has trained students to be globally competitive and to advance the intellectual capacity of the nation and the international community. We envision our students to be globally recognized as leaders, innovators and competent professionals.

The department has more than 12 teaching, non-teaching & supporting staffs). The current intake of the department for BE is 60. The department has a VTU recognized research center with full-time and part-time Ph.D. students pursuing research in areas like High Performance Computing, Data Mining, Cloud

Computing, Sensor Networks, Adhoc Networks and Machine Learning.

**Address for communication**

The Coordinator,

FDP on Cloud Computing

RRCE, Mysore Road, Bangalore – 560074.

Mobile: 9739078115/ 9611244447





## Department of Information Science and Engineering

### FDP: Cloud Computing

13/11/2017 to 19/11/2017

#### Program Schedule

**Day 1:** (Time: 9:00 AM to 12:00 and 01:00 PM to 04:00 PM)

- Introduction to Cloud Computing
- Big data Analytics
- Cloud computing on AWS

**Day 2:** (Time: 9:00 AM to 12:00 and 01:00 PM to 04:00 PM)

- Cloud Computing Models
- Components of Cloud computing

**Day 3:** (Time: 9:00 AM to 12:00 and 01:00 PM to 04:00 PM)

- Cloud Security, Monitoring, Case Studies, Jobs and Final Assignment

**Day 4:** (Time: 9:00 AM to 12:00 and 01:00 PM to 04:00 PM)

- Cloud Provider Selection

**Day 5:** Time: 9:00 AM to 12:00 and 01:00 PM to 04:00 PM)


- Multi-Cloud Deployment

**Day 6:** (Time: 9:00 AM to 12:00 and 01:00 PM to 04:00 PM)

- Cloud Process with Multiple management

**Day 7:** (Time: 9:00 AM to 12:00 and 01:00 PM to 04:00 PM)

- Hands on training Program

  
Professor & HOD  
Dept. of Information Science & Engg.  
Rajarajeswari College of Engineering  
Bangalore - 560 074.

## Department of Information Science and Engineering

### FDP: "Cloud Computing"

#### Attendance List

S.No	Name with Department	13-11-2017	14-11-2017	15-11-2017	16-11-2017
1	Ashwini R	A	A	A	A
2	Dinesh Kumar	D	D	D	D
3	Deekshitha M	Deekshitha	Deekshitha	Deekshitha	Deekshitha
4	Anand Kumar	A	A	A	A
5	Sumukh K Murthy	S	S	S	S
6	Rajeshwar	R	R	R	R
7	Ramesh	R	R	R	R
8	Mamatha	M	M	M	M
9	Prasanna	P	P	P	P
10	Rachna	Rachna	Rachna	Rachna	Rachna
11	Rajaw	R	R	R	R
12	Ranjit	Ranjit	Ranjit	Ranjit	Ranjit
13	Sukhi	S	S	S	S
14	Pooja	P	P	P	P
15	Sushmitha	S	S	S	S
16	Akhata	A	A	A	A
17	Arijit	A	A	A	A
18	Bhavya	B	B	B	B
19	Siddhant	S	S	S	S
20	Siddhanta	S	S	S	S
21	Sheela Gowri. H.A	S	S	S	S

  
 Professor & HOD  
 Dept. of Information Science & Engg.  
 Rajarajeswari College of Engineering  
 Bangalore - 560 074

## Department of Information Science and Engineering

### FDP: "Cloud Computing" Attendance List

S.No	Name with Department	17-11-2017	18-11-2017	19-11-2017	
1	Dinakaran	On	On	On	
2	Sukhi	On	On	On	On
3	Anand Kumar	On	On	On	On
4	Rajeshwari S	On	On	On	On
5	Deekshitha M	Deekshitha	Deekshitha	Deekshitha	Deekshitha
6	Pooja	Pooja	Pooja	Pooja	Pooja
7	Sumathi K Murthy	On	On	On	On
8	Renuka	On	On	On	On
9	Mamatha	On	On	On	On
10	Rajit	On	On	On	On
11	Kavya	On	On	On	On
12	Sajani	On	On	On	On
13	Pooja	Pooja	Pooja	Pooja	Pooja
14	Sushmitha	On	On	On	On
15	Gowarna	On	On	On	On
16	Sidhama	On	On	On	On
17	Kushi	On	On	On	On
18	Priyanka	On	On	On	On
19	Sagar	On	On	On	On
20	Ramesh	On	On	On	On
21	Shankar	On	On	On	On

  
 Professor S. HOD  
 Dept. of Information Science & Engg.  
 Rajarajawade College of Engineering  
 Bangalore - 560 074.





## Department of Information Science and Engineering

### Faculty Development program on "Cloud Computing

#### Program Report

Date: 19/11/2017

Duration : 7 days

No. of Participants: 20

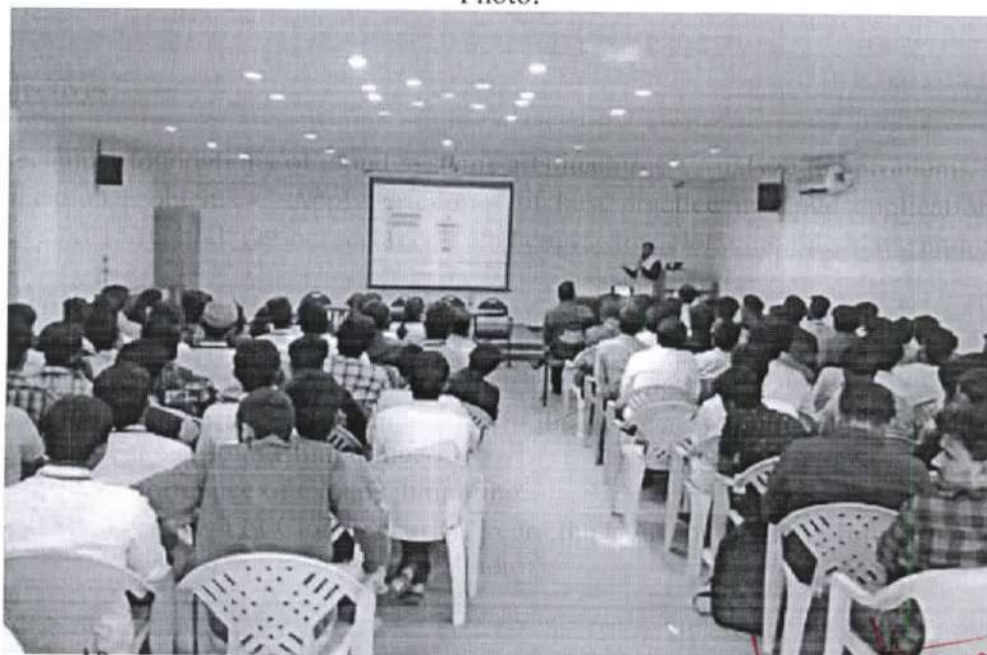
#### Program objectives:

Identify the technical foundations of cloud systems architectures. Analyze the problems and solutions to cloud application problems. • Apply principles of best practice in cloud application design and management. • Identify and define technical challenges for cloud applications and assess their importance

#### Program outcomes:

- Understand the fundamental principles of distributed computing.
- Understand the importance of virtualization in distributed computing and how this has enabled the development of Cloud Computing.
- Analyze the performance of Cloud Computing.
- Understand the concept of Cloud Security. Learn the Concept of Cloud Infrastructure Model.

Photo:



*Vinutha*  
Co-ordinator

*[Signature]*  
Professor & HOD  
Department of Information Science & Engineering  
RajaRajeswari College of Engineering  
Bengaluru - 560 074



**RAJARAJESWARI COLLEGE OF ENGINEERING**  
#14, Ramohalli Cross, Kumbalgodu Post, Mysore Road, Bangalore -74  
Affiliated to VTU, Belgavi, Approved by AICTE, New Delhi



Seven Days Faculty Development Program on  
**CLOUD COMPUTING**

Certificate of Participation

This is Certify that Dr/Mr/Ms. Rajeshwari . S of  
Information Science & engineering has  
participate Seven Days Faculty Development Program on “**Cloud Computing**” Organized by the  
Department of Information Science and Engineering of RajaRajeswari College of Engineering,  
Bangalore on 13-11-2017 to 19-11-2017.

**Dr. Amutharaj. J**

HoD, Dept of ISE  
RRCE

**Dr. R. Balakrishna**  
Principal  
RRCE





**RAJARAJESWARI COLLEGE OF ENGINEERING**  
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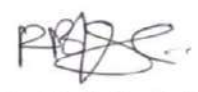
Seven Days Faculty Development Program on  
**CLOUD COMPUTING**

Certificate of Participation

This is Certify that Dr/Mr/Ms. Mrs. Sarala .M of  
Programmer, Dept of ISE has  
participate Seven Days Faculty Development Program on “**Cloud Computing**” Organized by the  
Department of Information Science and Engineering of RajaRajeswari College of Engineering,  
Bangalore on 13-11-2017 to 19-11-2017.

  
**Dr. Amutharaj. J**

HoD, Dept of ISE  
RRCE

  
**Dr. R. Balakrishna**  
Principal  
RRCE



# RajaRajeswari College of Engineering

No.14, Ramohalli Cross, Kumbalgodu, Mysore Road, Bengaluru-560 074  
(APPROVED BY AICTE, NEW DELHI & AFFILIATED TO VTU, BELAGAVI)

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING


## CIRCULAR

Date: 01/12/2017

To,

All the Faculty.

Hereby informed that, Department of ECE is organizing five days faculty development program on **Advances in Communication Networks Using - NS3** on **11<sup>th</sup> - 16<sup>th</sup>, December 2017**. In this regards faculty of various departments are requested to register for this FDP on or before 08/12/2017 and make the event a grand success.

  
HOD/ECE  
PROFESSOR & HEAD  
DEPT. OF ELECTRONICS & COMMUNICATION ENG  
RAJARAJESWARI COLLEGE OF ENGG.  
BENGALURU - 560 074



### Chief Patrons

- ▲ Sri. A. C. Shanmugam  
Chairman, RajaRajeswari Group of Institutions
- ▲ Sri. A. C. S. Arun Kumar  
Vice-Chairman, RajaRajeswari Group of Institutions

### Patrons

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- ▲ Sri. S. Jeyabalan, Special Officer, RRG
- ▲ Sri. C. N. Seetharam I.A.S (Retd.), CEO, RRG
- ▲ Dr. T R Gopalakrishnan Nair, Rector, RRG

### Chairman

Dr. R. Balakrishna, Principal, RRCE

### Co-Chairman

Dr. L. Swarna Jyothi, professor & Head, ECE

### Workshop Coordinator

Dr. Rangaiah L,  
Professor, Dept. of ECE

### Organising Committee

- Mr. V. Sreepathi, Assoc. Professor  
Mrs. S. M. Vijaya, Assoc. Professor  
Mrs. V. Bhuvaneswari, Assoc. Professor  
Mr. M. S. Sreenivas, Asst. Professor  
Mrs. Sunitha R., Asst. Professor  
Mr. Santosh Chavan, Asst. Professor  
Mrs. Aruna S., Asst. Professor  
Mrs. Vani S. Badigar, Asst. Professor  
Mrs. Sumitha Manoj, Asst. Professor  
Mrs. Chaitanya S., Asst. Professor  
Mrs. Jyothi A.P., Asst. Professor  
Mr. Lokesh K., Asst. Professor  
Mr. Ajay M., Asst. Professor  
Mr. Darwin Britto R., Asst. Professor  
Mrs. Pushpa M.J., Asst. Professor  
Mrs. Haritha K., Asst. Professor  
Mr. Santosh G., Asst. Professor  
Mr. M. Suresh, Asst. Professor  
Ms. Deepika J., Asst. Professor  
Mrs. E. Salma Rosline Mary, Asst. Professor  
Ms/ Usha K.S., Asst. Professor  
Ms. Abhilasha C.P., Asst. Professor

### ABOUT THE WORKSHOP

AICTE Sponsored One Week Hands-on Workshop on "ADVANCES IN WIRELESS COMMUNICATION USING NS3" is intended to provide opportunity for Faculty members, researcher scholars and PG Students in AICTE approved institutions for upgrading their knowledge and acquiring practical skills in the area of Communication Networks.

The goal of the workshop is to unite the faculty, PG students and research scholars to discuss latest trends & technology available for Wireless Sensor Networks and to bring together world-class educators and thinkers to discuss all aspects of Wireless Sensor Networks. The workshop is intended to give the participants a focused view on the role played by Wireless Sensor Networks. The workshop will provide the opportunities to flourish the knowledge and pursue research in this area. The one week programme will enable the participants to understand the simulation of various wireless sensor network protocols and their analyses.

### TOPICS TO BE COVERED

- Introduction to WSN
- Introduction to NS2
- Introduction to TCL
- Simulation of Wired Network using NS2
- Simulation of wireless Networks using NS3
- Performance Analysis
- Introduction to NS3
- Installation of NS3 tool on Ubuntu
- Modules in NS3 and its execution
- Sample programs and its execution
- Installation of Netanim tool for animation
- Installation of trace metrics to analyse trace files
- Hands on program execution



## Aicte Sponsored One Week Hands-on Workshop On Advances In Communication Networks Using NS3

11<sup>th</sup> to 16<sup>th</sup> December 2017



'A' GRADE



Organized By  
**ELECTRONICS & COMMUNICATION ENGG**  
**RAJARAJESWARI COLLEGE OF ENGINEERING**  
(Approved by AICTE, New Delhi & Affiliated to VTU, Belagavi)  
14, Ramohalli Cross, Kumbalagodu, Bangalore-74  
Website: rrce.org

### About RRCE:

RajaRajeswari College of Engineering (RRCE), established in the year 2006 under the shelter of Moogambigai Charitable and Educational Trust, established in the year 1992 with the sole objective for starting institutions of higher education of exemplary stature in the State of Karnataka. RRCE is recognized by AICTE, New Delhi and is affiliated to Visvesvaraya Technological University (VTU), Belagavi, Karnataka. The Institute offers six UG courses (Electronics & Communication, Civil, Computer Science, Information Science, Mechanical, Electrical & Electronics Engineering) and seven PG courses, Master of Technology in Digital Electronics & Communication, Communication Systems, Computer Science & Engineering, Computer Network Engineering, Thermal Power Engineering, Master of Business Administration & Master of Computer Applications, also 8 R&D programs. The college has unique well equipped laboratories, library, digital library computing and sports facilities along with other amenities.

### About Department:

Dept. of ECE is established in the year 2006 with an intake of 60 and increased to 120 in the year 2013. The Department has accredited by NBA and NAAC. Dept. organized many International/National Conferences, FDPs, Workshops in the past. The Dept. is well equipped with laboratories and highly qualified and dedicated faculty members with vast experience and expertise in their respective domains. In addition the department runs 2 M.Tech programs and Ph.D program of VTU. We are also collaborating with industries such as Karnataka Hybrid Micro Devices, Gemini Electro Corporation, ARP & VGI, Research in CS and Electronics Engg., Win global Tech, Saakshin Technologies Pvt Ltd. Our student projects are selected for VGST/KSCST Project funding.

### WHO CAN ATTEND:

The faculty members working in AICTE approved Engineering Colleges, Research Scholars and Industry Personnel.

### REGISTRATION FEE

- ☐ Faculty / Research Scholars : Rs. 1000
- ☐ Industrial Participants: Rs. 1500

The registration fee can be paid through DD/cash. Demand Draft drawn in favor of "Rajarajeswari College of Engineering, Bengaluru" payable at Bengaluru.

### IMPORTANT DATES

- ☐ Last date for receipt of application: 05/12/2017
- ☐ Commencement of workshop: 11/12/2017

Registration form and DD can be sent to:

**Dr. L Rangaiah**  
**Workshop Coordinator**  
Rajarajeswari College of Engineering  
# 14, Ramohalli Cross, Mysore Road  
Bengaluru-74  
Mobile: 9741681862  
Email: rleburu@gmail.com

### RESOURCE PERSONS:

- ☐ **Dr. L Pratap Reddy**  
Director (R&D), JNTUH, Chairman, SWECHA
- ☐ **Dr. Rominus Valsalam**  
Scientist, CDAC, Kerala
- ☐ **DR. Jyotirmoy Karjee**  
Scientist TCS Research & Innovations, Blr
- ☐ **Mr. Balachandran Kamat**  
Consultant, Wipro Technologies
- ☐ **Nithin K**  
Impulse Systems, Bangalore

### REGISTRATION FORM

Name of the participant:

Designation:

Organization/Institute:

Address for Communication:

Phone:

Email:

Payment Details:

DD No:

Bank/Branch:

Amount:

Date:

Signature of the Participant:

Signature of the principal:

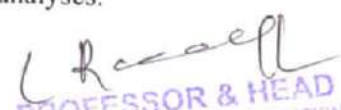




## AICTE SPONSORED ONE WEEK HANDS ON WORKSHOP ON

### “ADVANCES IN COMMUNICATION NETWORKS USING - NS3”

- **Date of Workshop :** 11<sup>th</sup> - 16<sup>th</sup>, December 2017
- **Venue:** Dr. A.P. J. Abdul Kalam Hall, RRCE, Bengaluru
- **Objective of the Conference:** The primary objective of AICTE Sponsored One Week Hands-on Workshop on “ADVANCES IN COMMUNICATION NETWORKS USING NETWORK SIMULATOR - NS3” is intended to provide opportunity for Faculty members, researcher scholars and PG Students in AICTE approved institutions for upgrading their knowledge and acquiring practical skills in the area of Communication Networks. The goal of the workshop is to unite the faculty, PG students and research scholars to discuss latest trends & technology available for Wireless Sensor Networks and to bring together world-class educators and thinkers to discuss all aspects of Wireless Sensor Networks. The workshop is intended to give the participants a focused view on the role played by Wireless Sensor Networks. The workshop will provide the opportunities to flourish the knowledge and pursue research in this area. The one week program will enable the participants to understand the simulation of various wireless sensor network protocols and their analyses.
- **Technical sponsor:** AICTE
- **Number of Participants :** 33
- **PROGRAM SCHEDULE**

  
**PROFESSOR & HEAD**  
 DEPT. OF ELECTRONICS & COMMUNICATION ENG  
 RAJARAJESWARI COLLEGE OF ENGG.  
 BENGALURU - 560 074

DAY 1 - 11 <sup>th</sup> December 2017		
Start Time	End Time	Details
08.30am	09.15am	REGISTRATION
09.15am	10.15am	INAUGURATION FUNCTION Chief Guest Dr. L Pratap Reddy Farmer Director (R&D), JNTU Hyderabad Working Chairman, SWECHA
10.15am	10.45am	90TEA BREAK



10.45am	01.00 pm	<b>KEYNOTE SPEECH</b> <b>Dr. L Pratap Reddy</b> <b>Director (R&amp;D), JNTUH</b> <b>Working Chairman, SWECCHA</b> <b>TOPIC: FLOSS Contribution to Information Communication Technology</b>
01.00pm	02:00 pm	<b>LUNCH BREAK</b>
02:00pm	03:45pm	<b>SESSION – I</b> <b>Mr. Balachandran Kamat</b> <b>Senior Consultant</b> <b>Wipro Technologies</b> <b>TOPIC: Connected Devices</b>
03:45pm	04:00pm	<b>TEA BREAK</b>
<b>DAY 2 - 12<sup>th</sup> December 2017</b>		
<b>Start Time</b>	<b>End Time</b>	<b>Details</b>
		<b>Resource Person: Mr. Nithin K, Impulse Systems, Bangalore</b>
09.00am	10.30am	<u><b>NS 2</b></u> <ul style="list-style-type: none"> <li>• NS2 installation on ubuntu</li> <li>• Introduction to NS2 and Installation</li> <li>• TCL Script Programming</li> </ul>
10.30am	10.45am	<b>TEA BREAK</b>
10.45am	01.00pm	<ul style="list-style-type: none"> <li>• Wired and Wireless Programs</li> <li>• Energy Modules in WSN</li> </ul>
01.00pm	2:00 pm	<b>LUNCH BREAK</b>
02:00 pm	03:45pm	<ul style="list-style-type: none"> <li>• Post processing tool for trace analysis</li> <li>• Adding new module in NS2</li> </ul>
03:45pm	04:00pm	<b>TEA BREAK</b>
<b>DAY 3 - 13<sup>th</sup> December 2017</b>		
<b>Start Time</b>	<b>End Time</b>	<b>Details</b>
		<b>Resource Person: Mr. Nithin K Impulse Systems, Bangalore</b>
09.00am	10.30am	<ul style="list-style-type: none"> <li>• Adding new module in NS2</li> </ul>
10.30am	10.45am	<b>TEA BREAK</b>
10.45am	01.00pm	<ul style="list-style-type: none"> <li>• Execution of wired and wireless programs</li> </ul>
01.00pm	02:00 pm	<b>LUNCH BREAK</b>
2:30 pm	03:45pm	<ul style="list-style-type: none"> <li>• Execution of wired and wireless programs</li> <li>• Execution of wired and wireless programs</li> </ul>

03:45pm	04:00pm	TEA BREAK
DAY 4 - 14 <sup>th</sup> December 2017		
Start Time	End Time	Details
		Resource Person: Mr. Nithin K Impulse Systems, Bangalore
09.00am	10.15am	<ul style="list-style-type: none"> <li>• Introduction to NS3</li> </ul>
10.15am	10.30am	TEA BREAK
10.30am	1.00pm	<ul style="list-style-type: none"> <li>• NS3 tool installation</li> </ul>
1.30pm	2:00 pm	LUNCH BREAK
2:00 pm	03:45pm	<ul style="list-style-type: none"> <li>• Modules in NS3</li> <li>• Execution of programs</li> </ul>
03:45pm	04:00pm	TEA BREAK
DAY 5 - 15 <sup>th</sup> December 2017		
Start Time	End Time	Details
		Resource Person: Mr. Nithin K & Team Impulse Systems, Bangalore
09.00am	10.30am	<ul style="list-style-type: none"> <li>• Netanim Installation</li> </ul>
10.30am	10.45am	TEA BREAK
10.45am	1.00pm	<ul style="list-style-type: none"> <li>• Trace analysis in wireshark</li> </ul>
1.00pm	2:00 pm	LUNCH BREAK
2:00 pm	03:45pm	<ul style="list-style-type: none"> <li>• Trace analysis in wireshark</li> </ul>
03:45pm	04:00pm	TEA BREAK
DAY 6 - 16 <sup>th</sup> December 2017		
Start Time	End Time	Details
09.00am	10.30am	<b>SESSION-II</b> <b>Dr. Polaiah Bojja</b> <b>Professor in ECE</b> <b>K L E F University</b> <b>Topic: Role Of Networked Control Systems Using Wireless Sensors</b> <b>Network For Real Time Applications</b>
10.30am	10.45am	TEA BREAK
10.45am	1.00pm	<b>SESSION-III</b> <b>Dr. S. Rominus Valsalam</b> <b>Former Scientist CDAC</b> <b>Research Advisor, KLEF University</b>

		<b>for faculty development</b>
1.00pm	2:00 pm	<b>LUNCH BREAK</b>
2:00 pm	03:00pm	<b>SESSION – IV</b> <b>Dr. Jyotirmoy Karjee</b> <b>Scientist</b> <b>TCS Research &amp; Innovations</b> <b>Topic: The Role of Communication Networks for Internet of Things (IoT) Specific Use-cases</b>
03:00pm	4:00pm	<b>VALEDICTORY FUNCTION</b> <b>Chief Guest</b> <b>Dr. S. Rominus Valsalam</b> <b>Former Scientist CDAC, Thiruvananthapuram</b> <b>Research Advisor, KLEF University</b>

• **About the workshop flow:**

Advances in Communication Networks using NS-3 started with the inaugural function 10am on 11th December 2017, with all the dignitaries and the keynote speaker. After the inaugural function followed by tea break, ACNU using NS-3 chief guest and the keynote speaker Dr. L Pratap Reddy gave talk on “*FLOSS Contribution to Information Communication Technology*”. In the Post lunch session Mr. Balachandran Kamat delivered the talk on the topic “*Connected Devices*”. Mr. Nithin K conducted hands on sessions from day 2 to day 4 (12<sup>th</sup> -15<sup>th</sup> December 2017) regarding NS-2 and NS-3. Sixth day (16<sup>th</sup> December 2017) session started with expert talk on “*Role Of Networked Control Systems Using Wire Less Sensors Network For Real Time Applications*” by Dr. Polaiah B then next session by Dr. S. Rominus Valsalam on the topic “*Research & development activities and research methodology for faculty development*”. In Post lunch session the expert talk on “*The Role of Communication Networks for Internet of thinks (IoT) specific use –cases*” was delivered by Dr. Jyotirmoy Karjee then followed by Valedictory function, in which the certificates for participants were distributed and participants were given good feedback about workshop. The one week workshop enabled the participants to understand the simulation of various wireless sensor network protocols and their analyses.

# RajaRajeswari College of Engineering

No.14, Ramohalli Cross, Kumbalgodu, Mysore Road, Bengaluru-560 074

(APPROVED BY AICTE, NEW DELHI & AFFILIATED TO VTU, BELAGAVI)

## DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

### FDP ON "ADVANCES IN COMMUNICATION NETWORKS USING - NS3"

11<sup>th</sup> - 16<sup>th</sup>, December 2017

#### Attendance Sheet

S. NO	Name of the Faculty	Day-1 11-12-2017	Day-2 12-12-2017	Day-3 13-12-2017	Day-4 14-12-2017	Day-5 15-12-2017	Day-5 16-12-2017
1	Prof S.M. Vjaya						
2	Dr. Aarth; Avanthiga						
3	AJAY.M.						
4	VSKEEPANI						
5	Lokesh. k						
6	Santosh. eg						
7	P. Bhavaneswar						
8	Haritha. k.						



9	Pushpam J	Pushpa	Pushpa	Pushpa	Pushpa	Pushpa	Pushpa
10	Santosh Chavan	<del>Sc</del>	<del>Sc</del>	<del>Sc</del>	<del>Sc</del>	<del>Sc</del>	<del>Sc</del>
11	Dr. P. V. Rao	<del>Pao</del>	<del>Pao</del>	<del>Pao</del>	<del>Pao</del>	<del>Pao</del>	<del>Pao</del>
12	Aruna. S.	<del>Ac</del>	<del>Ac</del>	<del>Ac</del>	<del>Ac</del>	<del>Ac</del>	<del>Ac</del>
13	Chaitanya S	<del>Cha</del>	<del>Cha</del>	<del>Cha</del>	<del>Cha</del>	<del>Cha</del>	<del>Cha</del>
14	Harish NJ	<del>Ha</del>	<del>Ha</del>	<del>Ha</del>	<del>Ha</del>	<del>Ha</del>	<del>Ha</del>
15	Supriya Nigudgi	<del>Sup</del>	<del>Sup</del>	<del>Sup</del>	<del>Sup</del>	<del>Sup</del>	<del>Sup</del>
16	Darwin Britto	<del>Das</del>	<del>Das</del>	<del>Das</del>	<del>Das</del>	<del>Das</del>	<del>Das</del>
17	Jyothi. A. P	<del>Jl</del>	<del>Jl</del>	<del>Jl</del>	<del>Jl</del>	<del>Jl</del>	<del>Jl</del>
18	Dr. L. Swarna Jyoti	<del>Lub</del>	<del>Lub</del>		<del>Lub</del>	<del>Lub</del>	<del>Lub</del>
19	Sumithamanoj	<del>S</del>	<del>S</del>	<del>S</del>	<del>S</del>	<del>S</del>	
20	M. Suresh	<del>msoom</del>	<del>msoom</del>	<del>msoom</del>	<del>msoom</del>	<del>msoom</del>	<del>msoom</del>
21	Seenitha. R	<del>hr</del>	<del>hr</del>	<del>hr</del>	<del>hr</del>	<del>hr</del>	<del>hr</del>
22	Srinivas R	<del>SR</del>	<del>SR</del>	<del>SR</del>	<del>SR</del>	<del>SR</del>	<del>SR</del>

23	<i>Abilene CP</i>	<i>to</i>	<i>lt</i>	<i>lt</i>	<i>lt</i>	<i>lt</i>	
24							
25							
26							
27							
28							
30							
31							
32							
33							
34							
35							



Moogambigai Charitable And Educational Trust  
**RAJARAJESWARI COLLEGE OF ENGINEERING**

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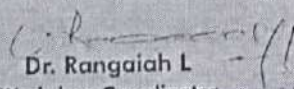
NAAC  
**'A' GRADE**

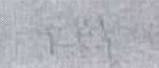


**DEPT. OF ELECTRONICS & COMMUNICATION ENGINEERING**

## *Certificate*

This is to certify that Dr./Prof./Mr./Mrs./Ms. **JYOTHI.A.P.** of  
**RRCE, Bangalore.** has participated in AICTE Sponsored  
*One Week Hands-on Workshop on Advances in Communication Networks using Network Simulator-NS3* organized  
by the Dept. of Electronics and Communication Engineering during 11<sup>th</sup> to 16<sup>th</sup> December, 2017.

  
Dr. Rangaiah L  
Workshop Coordinator

  
Dr. R. Balakrishna  
Chairman

DEPT. OF ELECTRONICS & COMMUNICATION ENG  
RAJARAJESWARI COLLEGE OF ENGINEERING  
BANGALURU - 560074





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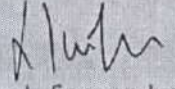


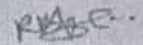
**AICTE SPONSORED ONE WEEK HANDS-ON WORKSHOP ON  
ADVANCES IN COMMUNICATION NETWORKS USING NETWORK SIMULATOR-NS3**

## *Certificate*

This is to certify that Dr./Prof./Mr./Mrs./Ms. VANI S BADIGER of  
RRCE, BANGALORE has participated in AICTE Sponsored  
One Week Hands-on Workshop on Advances in Communication Networks using Network Simulator-NS3 organized  
by the Dept. of Electronics and Communication Engineering during 11<sup>th</sup> to 16<sup>th</sup> December, 2017.

  
Dr. Rangaiah L.  
Workshop Coordinator

  
Dr. L. Swarna Jyothi  
Co-Chairman

  
Dr. R. Balakrishna  
Chairman

**PROFESSOR & HEAD**  
DEPT. OF ELECTRONICS & COMMUNICATION ENG  
RAJARAJESWARI COLLEGE OF ENGG.  
BENGALURU - 560 074





# RajaRajeswari College of Engineering

No.14, Ramohalli Cross, Kumbalgodu, Mysore Road, Bengaluru-560 074  
(APPROVED BY AICTE, NEW DELHI & AFFILIATED TO VTU, BELAGAVI)

## DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

### AICTE Sponsored One Week Hands-on Workshop On Advances in Communication Networks Using NS3

11<sup>th</sup> to 16<sup>th</sup> December 2017

#### FEEDBACK ON FDP

Please tick the appropriate option.

1. How did you get to know about the workshop? Through:

(a) Friends (b) Brochure (c) College website (d) e-mail (e) Any other (mention) a

2. Was the information in the workshop useful? Yes / No

3. Rate the following on a scale of 1 to 5

(1-Not satisfactory, 2-Satisfactory, 3-Good, 4-Very good, 5-Excellent)

Information content	<u>4</u>
Understandability	<u>4</u>
Relevance of the topic to you	<u>4</u>
Communication of the presenter	<u>5</u>
Level of interaction	<u>4</u>
Hands on training	<u>4</u>

4. Quality of Equipment/Ambience etc. : good

5. Do you want some more of such workshops? Yes/No

If yes, suggest topics \_\_\_\_\_

6. Suggestions/comments if any

Nicely organized.  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

\*\*\*\*\* Thank you for your valuable feedback \*\*\*\*\*



## **RAJARAJESWARI COLLEGE OF ENGINEERING**

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Phone: +91-80-28437124, +91-28437375, Fax: +91-80-2843 7373, [www.rrce.org](http://www.rrce.org)



### **DEPARTMENT OF MECHANICAL ENGINEERING**

---

Date: 11/12/2017

#### **Circular**

It is hereby informed to all the faculty members that the department is organizing Five days FDP on the topic "Design of Machine Elements" from 18<sup>th</sup> to 22<sup>nd</sup> Dec 2017.

All are requested to attend the FDP and make better utilization of the recourse person and opportunity.

Coordinators

*P.S. Reddy*  
HoD - ME  
Professor & Head  
Dept. of Mechanical Engineering  
RAJARAJESWARI COLLEGE OF  
ENGINEERING  
Kumbalagodu, Mysore Road  
Bengaluru - 560074

### **ABOUT MCET:**

Moogambigai Charitable and Educational Trust, Bengaluru was established in the year 1992 with the sole objective for starting Institutions of higher education of exemplary stature in the state of Karnataka. In furtherance of this objective, the trust has been establishing institutions of higher learning in the state. Presently the trust is running 07 institutions in Karnataka and 19 institutions in Tamil Nadu in the field of Medical, Dental, Engineering and Management.

### **ABOUT RRCE:**

RajaRajeswari College of Engineering (RRCE) was established in the year 2006. The Institution is recognized by AICTE, New Delhi, approved by Govt. of Karnataka & is affiliated to Visvesvaraya Technological University (VTU), Belgaum. The Institution is accredited by NBA (ME, CSE, ECE & EE), NAAC 'A' Grade, HLAAC and ISO 9001-2008 Certified. Institution offers UG courses in the disciplines of ME, EEE, CIVIL, ECE, CSE, ISE, TCE & Post Graduation courses in M. Tech (Digital Electronics & Communication, Communication Systems, Thermal Power Engineering, Computer Science & Engineering, Computer Network and Engineering), MBA, MCA & Research Programs in the Department of Mechanical Engineering, Computer Science & Engineering, Management Studies & Mathematics, Physics, Chemistry, Electronics and Communication Engineering leading to MSc (Engg.) by Research & PhD programs of VTU. The resource persons at RRCE are highly qualified & experienced. The campus is Wi-Fi enabled with well-equipped state of the art laboratories, computing facilities, library, sports and hostel facilities for boys and girls. The college is located at a distance of 18kms from Bengaluru City Railway Station on Mysore road.

### **ABOUT THE DEPARTMENT:**

The Department of Mechanical Engineering was started in the year 2006. The department has highly qualified faculty with good blend of experience from

both Academics and Industry. The department has well equipped laboratories with advanced software's. Within a span of 10 years the department has excelled in academics, research, curricular & co-curricular activities. Established "The Center of Excellence" in collaboration with Altair Hyperworks. Department is continuously organizing - seminars, conferences, workshops, FDPs, Industry-Institute Interactions at State & National levels. Currently the Department offers **PhD Program & M.Sc. (Engg.) by Research** in addition to UG & PG (M.Tech in Thermal Power Engineering) program affiliated to Visvesvaraya Technological University (VTU) Belgaum, Karnataka.

### **FDP OBJECTIVES:**

The course content is as per the Vishweshwaraya Technological University syllabus and includes the following topics:

- ♦ Fundamentals of Mechanical Engineering Design.
- ♦ Principle stresses for various load combinations.
- ♦ Factors influencing machine design.
- ♦ Calculation of principle stresses for various load combinations.
- ♦ Design of solid and hollow shafts & Couplings.
- ♦ Design of temporary and permanent joints.
- ♦ Design of threaded fasteners and power screws
- ♦ Bearings.

### **DATE AND VENUE:**

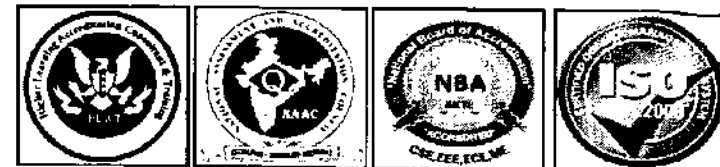
The FDP will be held on dates 18<sup>th</sup> Dec to 22<sup>nd</sup> Dec at Mechanical Seminar Hall, RRCE Campus, Bengaluru.

### **PARTICIPANTS:**

Academicians, Faculties, Research Scholars, R&D personnel can take the benefits of FDP.

### **REGISTRATION FEES:**

FDP is free and any faculty from AICTE affiliated engineering colleges can participate. FDP is open to all branch.



## **FIVE DAYS FACULTY DEVELOPMENT PROGRAM ON DESIGN OF MACHINE ELEMENTS**

On  
**18<sup>th</sup> to 22<sup>nd</sup> Dec 2017**

Organized

By

**DEPARTMENT OF MECHANICAL  
ENGINEERING**



**RAJARAJESWARI COLLEGE OF  
ENGINEERING**

(NBA, NAAC 'A' Grade, HLAAC-Accredited)  
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Kumbalagodu, Bengaluru-560074.

Phone: +91-80-28437512, +91-80-28437375

Fax: +91-80-28437373, [www.rrce.org](http://www.rrce.org)

**REGISTRATION FORM**

Name: \_\_\_\_\_

Designation: \_\_\_\_\_

Organization: \_\_\_\_\_

Address: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

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

E-mail: \_\_\_\_\_

I interested to participate ☐ please (✓)

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

Place: \_\_\_\_\_

Signature of the Participant

**ADDRESS FOR CORRESPONDENCE:****Dr. Yeshowanth R**  
Professor & HoD, Dept. of Mech. Engg.  
Mob: 8884444065**MAIN COORDINATORS:****Prof. Madhusudhan M**  
Assistant professor, Dept. of Mech. Engg.  
Mob: 9844769232**Dr, Vishwanath K C**  
Assistant professor, Dept. of Mech. Engg.  
Mob: 9900449906**Prof. Radhakrishna R K**  
Assistant professor, Dept. of Mech. Engg.  
Mob: 9611333833**EMAIL CORRESPONDENCE:**

fdpmechrrce@gmail.com

**WEBSITE VISIT:**[www.rrce.org](http://www.rrce.org)**CHIEF PATRONS:****Dr. A. C. Shanmugham**  
Chairman, RR Group of Institutions**Sri. A. C. S. Arun Kumar**  
Vice-Chairman, RR Group of Institutions**PATRONS:****Dr.S. Vijayanand**  
Executive Director, RR Group of Institutions**Dr. S. Jayabalan**  
Special Officer, RR Group of Institutions**Sri. C N Seetharam (Retd. IAS officer)**  
Chief Executive Officer, RR Group of Institutions**Dr. T. R. Gopala Krishna Nair**  
Rector, RR Group of Institutions**ORGANIZING COMMITTEE:****CHAIRMAN:****Dr. Balakrishna R**  
Principal, RRCE**ORGANIZING SECRETARY:****Dr. Yeshowanth R**  
Head. Dept. of Mech. Engg.**CO-ORDINATORS:****Dr. Mohan Raj****Dr. Srinivasalu Reddy N.****Prof.Pramod V. Koujalagi****Prof.Dhananjay B. S.****Prof. Radhakrishna R K****Prof. Ravi Kumar T.****Prof.Shivalingaiah K.****Prof.Madhusudhan M.****Dr. Vishwanath K. C.****Prof. Praveenkumar S P****Dr. .Sateesha V.****Prof. MahendraH. M.****Prof.Ravikiran H. R.****Prof.Manju T.****Prof. Ningappa**





# RAJARAJESWARI COLLEGE OF ENGINEERING

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Phone: +91-80-28437124, +91-28437375, Fax: +91-80-2843 7373, [www.rjce.org](http://www.rjce.org)



## DEPARTMENT OF MECHANICAL ENGINEERING

5 Days Faculty Development Program on

"DESIGN OF MACHINE ELEMENTS"

18<sup>th</sup> to 22<sup>nd</sup> Dec 2017

Sl. No.	Topic	Resource Person	Date & Time
Inauguration and Welcome 9:00 to 10:15			
1	Fundamentals of Mechanical Engineering Design	Mrs. N L Shanthala Assistant professor. BIT, Banlgore .	18 <sup>th</sup> Dec 2017 10:30 to 12:30
2	Fundamentals of Mechanical Engineering Design	Mrs. N L Shanthala Assistant professor. BIT, Banlgore .	18 <sup>th</sup> Dec 2017 2:00 to 3:30
3	Factors influencing machine design	Dr. VivekBhandarkar V N Assistant professor. DSCE, Banlgore	19 <sup>th</sup> Dec 2017 9:30 to 11:00
4	Principle stresses for various load combinations.	Prof. Nithesh Bhaskar N. Assistant professor. DSCE, Banlgore	19 <sup>th</sup> Dec 2017 1:30 to 4:00
5	Principle stresses for various load combinations	Prof. SANKETH S Assistant professor DBIT, Bangalore.	20 <sup>th</sup> Dec 2017 9:30 to 12:30
6	Design of solid and hollow shafts & Couplings	Prof. SANKETH S Assistant professor DBIT, Bangalore.	20 <sup>th</sup> Dec 2017 2:30 to 3:30
7	Design of solid and hollow shafts & Couplings	Prof. SANKETH S Assistant professor DBIT, Bangalore.	21 <sup>st</sup> Dec 2017 10:00 to 12:30
8	Design of temporary and permanent joints.	Prof. Vishwanath B. R Assistant professor DBIT, Bangalore.	21 <sup>st</sup> Dec 2017 2:00 to 03:45
9	Design of threaded fasteners and power screws.	Prof. K. M. Kiran Kumar Assistant professor DBIT, Bangalore	22 <sup>nd</sup> Dec 2017 9:00 to 12:00
10	Bearing design	Prof. Ranganatha S. R. Assistant professor DBIT, Bangalore	22 <sup>nd</sup> Dec 2017 1.30 to 2:30
Valedictory and feedback session 2:30 to 3:30			



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## DEPARTMENT OF MECHANICAL ENGINEERING

### 5 Days Faculty Development Program on

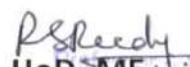
“DESIGN OF MACHINE ELEMENTS”

18<sup>th</sup> to 22<sup>nd</sup> Dec 2017

#### Attendance

Sl. No.	Faculty Name	Day 1	Day 2	Day 3	Day 4	Day 5
1	Dr. Shankara Reddy R	RS	RS	RS	RS	RS
2	Dr. Yeshovanth H R	YHR	YHR	YHR	YHR	YHR
3	Dr. M N Shankar	MNS	MNS	MNS	MNS	MNS
4	Dr. Mohan raj	Moj	Moj	Moj	Moj	Moj
5	Mr. C. Ramesh	RS	RS	RS	RS	RS
6	Mr. Vishwanath K C	VK	VK	VK	VK	VK
7	Mr. Satheesha V	Sat	Sat	Sat	Sat	Sat
8	Mr. Sreenivasalu Reddy N	NRS	NRS	NRS	NRS	NRS
9	Mr. Pramodkoulajagi	Pnk	Pnk	Pnk	Pnk	Pnk
10	Mr. Dhanajay B S	BDM	BDM	BDM	BDM	BDM
11	Mr. Anand A	A	A	A	A	A
12	Mr. Praveen Kumar S P	SP	SP	SP	SP	SP
13	Mr. B D Wadekar	Wadekar	Wadekar	Wadekar	Wadekar	Wadekar
14	Mr. Madhu K S	MS	MS	MS	MS	MS
15	Mr. Radhakrishna R K	RKR	RKR	RKR	RKR	RKR
16	Mr. Ravi Kumar T	RKT	RKT	RKT	RKT	RKT
17	Mr. Madhusudhan M	MM	MM	MM	MM	MM
18	Mr. Shivalingaiah K	SK	SK	SK	SK	SK
19	Mr. Mahendra H M	MHM	MHM	MHM	MHM	MHM
20	Mr. Ravikiran H R	RHR	RHR	RHR	RHR	RHR
21	Mr. Yellappa M	YM	YM	YM	YM	YM
22	Mrs. Deepthi H. M	DM	DM	DM	DM	DM
23	Mr. Ningappa D. Kunabeva	NKD	NKD	NKD	NKD	NKD
24	Mr. Druvakumar MALLappa	DM	DM	DM	DM	DM
25	Mr. Shashidhar Jangam	JS	JS	JS	JS	JS
26	Darshan S K	DSK	DSK	DSK	DSK	DSK

27	Mr. Deepak V	Deepak	Deepak	Deepak	Deepak	Deepak
28	Mr. Madhusudhan Reddy	md	md	md	md	md
29	Mr. Palaksha C P	p.c.p	p.c.p	p.c.p	p.c.p	p.c.p
30	Mr. Suresh D	hmn	hmn	hmn	hmn	hmn
31	Mr. Karthik S	karthik	karthik	karthik	karthik	karthik
32	Mr. Deepak S	Deepak	Deepak	Deepak	Deepak	Deepak

  
**HOD-ME**  
 Dept. of Mechanical Engineering  
 RAJARAJESWARA COLLEGE OF  
 ENGINEERING  
 Kumbalagodu, Mysore Road  
 Bengaluru - 560074



**RAJARAJESWARI COLLEGE OF ENGINEERING**  
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## DEPARTMENT OF MECHANICAL ENGINEERING

**5 Days Faculty Development Program on**

**“DESIGN OF MACHINE ELEMENTS”**

**18<sup>th</sup> to 22<sup>nd</sup> Dec 2017**

### Feedback

Sl. No.	Question	5	4	3	2	1
1	How do you rate the quality of objectives that were defined in the FDP		✓			
2	Rate the sessions in FDP that met your expectations		✓			
3	Rate the content relevance that were delivered	✓				
4	Rate the understanding of the topics by the speaker	✓				
5	Rate the stay during FDP at RRCE		✓			

Any Suggestions:

FDP was went well. I expected explanation of problems also, but it was not explained in depth.



## RAJARAJESWARI COLLEGE OF ENGINEERING

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## DEPARTMENT OF MECHANICAL ENGINEERING

### 5 Days Faculty Development Program on

“DESIGN OF MACHINE ELEMENTS”

18<sup>th</sup> to 22<sup>nd</sup> Dec 2017

### Program Report

On day 1 Mrs. N L Shanthala explained about Fundamentals of Mechanical Engineering Design. On day 2 Dr. Vivek Bhandarkar V N highlighted Factors influencing machine design followed by ,afternoon session handled by Prof. Nithesh Bhaskar N who emphasized Principle stresses for various load combinations.on day 3 Prof. Sanketh S elaborated Principle stresses for various load combinations & Design of solid and hollow shafts & Couplings. Design of temporary and permanent joints was highlighted in the morning session by Prof . Vishwanath B. R and sanketh of day 4 . on day 5 Prof . K. M. Kiran Kumar and Prof Ranganath explained about Design of threaded fasteners and power screws and design of bearings and the FDP was ended with valedictory function.



Coordinator

*Rs Raddy*  
Dept. of Mechanical Engineering  
RAJARAJESWARI COLLEGE OF  
ENGINEERING  
Kumbalagodu, Mysore Road  
Bengaluru - 560074





Moogambigai Charitable and Educational Trust

## RAJARAJESWARI COLLEGE OF ENGINEERING

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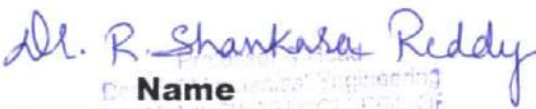
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### FIVE DAYS FACULTY DEVELOPMENT PROGRAM ON "DESIGN OF MACHINE ELEMENTS"

### Certificate

*This is to certify that Mr./Ms. Ravikumar T participated in five days Faculty Development Program held on 18<sup>th</sup> to 22<sup>nd</sup> , Dec 2017 Organized by Department of Mechanical Engineering, RajaRajeswari College of Engineering, Bengaluru, Karnataka.*

  
Name (Anand H)  
Coordinator

  
Name  
Organizing Secretary  
Kumbalgodu, Mysore Road  
Bengaluru - 560 074

  
Name  
Principal, RRCE

## RAJARAJESWARI COLLEGE OF ENGINEERING

Approved by AICTE, New Delhi.  
Affiliated to the Visvesvaraya Technological University, Belagavi



Circular

Date:15.12.2017

All the faculty are hereby informed that the CSE department is organizing a Staff development program from 19-12-2017 to 23-12-2017. All the Non-Teaching members are encouraged to attend the program.

Head of the Department

Professor & Head, Computer Science & Engineering  
RAJARAJESWARI COLLEGE OF ENGINEERING  
BENGALURU - 560 074

**Chief Patron**

**Dr. A C Shanmugam**, B.A.LLB, FMSA, FRCPS (Glasgow,  
UK)

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**Sri. A C S Arun Kumar**

B.Tech (Hons), LMISTE, MIET, (UK), LMCSL

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Principal, RRCE

**Dr. Usha S**

Professor and Head

Dept. of Computer Science & Engineering

**Organizing Secretary**

**Dr. Usha S**

Professor and Head

Dept. of Computer Science & Engineering

**Resource Person**

**Mr. Prasanna**

Technical Head,

LiveWire, Bangalore

**Organizing Members**

All staffs of CSE department

**Date and Venue**

19<sup>th</sup> – 23<sup>rd</sup> December 2017

09:30AM – 04:00PM

CSE Seminar Hall,

Department of CSE, RRCE

**Address for Communication**

Dept. of Computer Science & Engg.

RajaRajeswari College of Engineering,

Mysore road, Kumbalagodu,

Bengaluru -560074

Phone: 080- 28437124, 28437375

Fax: 080- 28437373

# RajaRajeswari College of Engineering

Mysore Road, Bengaluru - 560 074

Website: [www.rrce.org](http://www.rrce.org)



**5 Days Faculty Development  
Program on**

**“Advanced Networking”**

19<sup>th</sup> – 23<sup>rd</sup> December 2017



**Organized**

**By**

Department of Computer Science & Engineering

In association with

*Signature*  
Professor & Head, Computer Science & Engineering  
RAJARAJESWARI COLLEGE OF ENGINEERING  
BENGALURU - 560 074

About the Institution: RajaRajeswari College of Engineering (RRCE) was started in the year 2006 and is managed by Moogambigai Charitable and Education Trust (MCET), Bangalore. The College is approved by All India Council for Technical Education (AICTE), New Delhi, Govt. of Karnataka and is affiliated to Visvesvaraya Technological University (VTU) Belgaum.

The Institute offers 7 UG courses (Civil, Electronics, Computer Science & Engineering, Information Science & Engineering, Mechanical, Telecommunication & Electrical Engineering) and 5 PG courses Master of Business Administration, Master of Computer Applications, M.Tech in ECE, M.Tech in CSE and M.Tech in Mechanical and also 7 VTU affiliated R&D centers. All the Departments have well qualified staff and well equipped laboratories, library, central computing and sports facilities along with other amenities. This institution organizes international and national conferences, FDPs, Seminars and technical talks on a regular basis

About CSE: Dept. of CSE was established in 2006 with an intake of 60. It has been raised to 180. CSE department is rich enough to organize and encourage Students, teaching & non-teaching staffs by conducting various events like Workshops, Technical Seminars, Expert Lectures, FDPs, Industry Visits and Symposiums etc. Postgraduate for CSE was established in 2013-14 with an intake of 18, which is affiliated

to VTU and approved by All India Council for Technical Education (AICTE). The M.Tech programme in Computer Science and Engineering imparts a breadth of advanced knowledge in various areas of computer science. The programme is designed such that a student can complete it based on advanced coursework alone. However, the students are given the option to concentrate on a problem by substituting some of the courses with equivalent project work. Postgraduate for Computer Networking and Engineering was established in 2014 with an intake of 18, which is affiliated to VTU and approved by All India Council for Technical Education (AICTE).

#### Departmental Vision

*"To emerge as a leading Department in the field of Computer Science & Engineering in the state of Karnataka."*

#### Departmental Mission

*"The Department of CSE will create high quality professionals in Computer Science & Engineering and to foster leading edge research and to equip students to succeed and contribute to industry and society."*

## Rajarajeswari College of Engineering

Department of Computer Science & Engineering

### 5 Days Faculty Development Programme On

**"Advanced Networking"**

**19<sup>th</sup> – 23<sup>rd</sup> December 2017**

#### REGISTRATION FORM

Name: \_\_\_\_\_

Designation: \_\_\_\_\_

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

College: \_\_\_\_\_

Address: \_\_\_\_\_  
\_\_\_\_\_

Phone: \_\_\_\_\_ Mob: \_\_\_\_\_

Email: \_\_\_\_\_

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



# RAJARAJESWARI COLLEGE OF ENGINEERING

Approved by AICTE, New Delhi.  
Affiliated to the Visvesvaraya Technological University, Belagavi



Academic Year: 2017-18

## DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

### Staff Development program on "Advanced Networking" Attendance Sheet

Sl.No.	Name of the Faculty	Day 1 19-12-2017	Day 2 20-12-2017	Day 3 21-12-2017	Day 4 22-12-2017	Day 5 23-12-2017
1	Anjali					
2	Shivprakash					
3	Satish					
4	Vijayshankar					
5	Harshikumar					
6	Shanada					
7	Muniraj					
8	Arunkumar					
9	Sirnik					
10	Chethana					
11	Nemalatha					
12	Sarala					
13	Priyanka					
14	Shivaprasad					
15	Ravi Kumar					
16	Srinivasan					
17	Jagadeesh					
18	Chaitra Cn					

HOD,CSE

Professor & Head, Computer Science & Engineering  
RAJARAJESWARI COLLEGE OF ENGINEERING  
BENGALURU - 560 074





Moogambigai Charitable and Educational Trust  
**RAJARAJESWARI COLLEGE OF ENGINEERING**

#14, Ramohalli Cross, Kumbalgodu, Mysore Road, Bengaluru-560074.  
[Affiliated to VTU, Belgaum, Approved by AICTE, New Delhi. NAAC 'A' Grade Accredited]



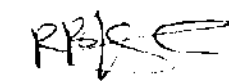
DEPARTMENT OF COMPUTER SCIENCE ENGINEERING  
(NBA Accredited Department)

**CERTIFICATE**

This is to certify that Mr/Ms/Mrs.....*Thulasi*.....of....*CSE*.....Dept.  
of.....*RRCE*....., has attended 5 Days FDP on "ADVANCED NETWORKING" from  
19<sup>th</sup> to 23<sup>rd</sup> DECEMBER 2017.

  
**Dr. S. Usha**

Professor & Head, Dept of CSE

  
**Dr. R. Balakrishna**  
Principal, RRCE

# RAJARAJESWARI COLLEGE OF ENGINEERING

Approved by AICTE, New Delhi.  
Affiliated to the Visvesvaraya Technological University, Belagavi



Criterion: 6.3.3


Academic Year: 2017-18



## Circular

Date: 19.12.17

All the faculty are hereby informed that the Mathematics department is organizing a faculty development program from 26.12.17 to 30.12.17. All the faculty members are encouraged to attend the program.

  
Head of the Department

## **MOOGAMBIGAI CHARITABLE AND EDUCATIONAL TRUST**

Moogambigai Charitable and Educational Trust was established in the year 1992 with the sole objective of starting institutions of higher education of exemplary stature in the state of Karnataka. In furtherance of this objective, the trust has been establishing institutions of higher learning in the state. Presently the trust is running 07 institutions in Karnataka and 19 institutions in Tamil Nadu in the fields of Medical, Dental, Engineering and Management Education.

## **RAJARAJESWARI COLLEGE OF ENGINEERING**

RajaRajeswari College of Engineering (RRCE) was established in the year 2006. It is an ISO 9000-2008 Certified Institution, recognized by AICTE, New Delhi and is affiliated to Visveswaraya Technological University, Belgaum, Karnataka. The Institute offers six UG courses (Mechanical, Electrical, Electronics, Computer Science, Information Science and Civil Engineering.), and three PG courses (MBA, MCA and M.Tech in Digital Electronics & Communications). Departments of Mechanical, Computer Science & Engineering, Mathematics and Management Studies are the VTU approved R&D Centers. All the Departments have well qualified staff, well equipped laboratories, and library, Computing, and sports facilities along with other amenities. The Mechanical, CSE, E&C and EEE departments got accreditation by NBA from 2016

## **DEPARTMENT OF MATHEMATICS**

The Department has full-fledged, experienced and dedicated teaching faculty. The Department is having R & D Center with good systems and Softwares like MATLAB & MATHEMATICA

### **FDP OBJECTIVES:**

FDP is aimed to provide a forum for professionals and research scholars to learn and conceptualize future challenges in the various domains of Mathematics.

### **DATE and VENUE**

The FDP will be held on 26.12.17 – 30.12.17 (10:00am to 4:00 pm) at Dr. A.P.J. Abdul Kalam Seminar Hall, RRCE, Bengaluru-560074.

### **Participants:**

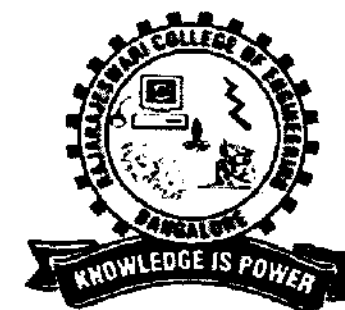
Teachers who are handling Mathematics subjects are invited to participate in the FDP.

## **5-DAY FDP ON**

**Numerical Method and its Applications**

**On**

**26.12.17 – 30.12.17**



### **Organized By**

**Department of Mathematics**

**RAJARAJESWARI COLLEGE**

**OF ENGINEERING**

(Affiliated to Visveswaraya Technological University, Belgaum & Recognized by the AICTE, New Delhi)

#14, Ramohalli Cross, Kumbalagodu,  
Mysore Road, Bengaluru - 560074.

## REGISTRATION FORM

### 5-DAY FDP ON

Numerical Method and its  
Applications

On

26.12.17 to 30.12.17

☐

1. Name \_\_\_\_\_

2. Designation \_\_\_\_\_

3. Department \_\_\_\_\_

4. Qualification \_\_\_\_\_

5. Institution \_\_\_\_\_

6. Address \_\_\_\_\_

7. Email \_\_\_\_\_

8. Tel: \_\_\_\_\_

Signature of the Participant

\_\_\_\_\_

Registration fees: Nil

Limited seats are  
available. On first come  
first serve basis.

*All are cordially invited*

Note: Interested faculty members of  
RRCE may please contact Dr. Anitha for  
registration

Registration is free

All communications may be made to:

**Dr. A.S. Hariprasad**

Organizing Secretary

Head of the Department

Department of Mathematics, RajaRajeswari

College of Engineering, Kumbalgodu,

Near Ramohalli Cross, Bangalore -

560074. [ashariprasad@yahoo.co.in](mailto:ashariprasad@yahoo.co.in)

Mobile: 9880926382

### Chief Patron

**Dr.A.C.Shanmugam.B.A.L.L.B,FIMSA,FRCP  
S(Glasgow,U.K)**

Chairman, RajaRajeswari Group of  
Institutions,Bengaluru

### Patrons

**Sri. A.C.S. Arun Kumar, B.Tech (Hons),  
LMISTE.,MIET.,(UK),LMCSI.,**  
Vice-Chairman, RajaRajeswari Group of  
Institutions,Bengaluru

**Dr. Vijayanand. S, M.Tech, Ph.D**  
Executive Director, RajaRajeswari  
Group of Institutions, Bengaluru

**Sri. S. Jayabalan**  
Special Officer, RajaRajeswari  
Group of Institutions, Bengaluru

**Sri. .Seetharam (Retd IAS Officer)**  
CEO, RajaRajeswari Group of Institutions,  
Bengaluru

**Chairman**  
**Dr. Chandrashekar.T**

**Principal, RRCE**

**Co-Chairman**

**Dr. Balakrishna R**  
Dean , RRCE

### ORGANIZING COMMITTEE

All Staff members of Mathematics Dept.

# DEPARTMENT OF MATHEMATICS

## Five Days Faculty Development Program

### Numerical Method and its Application

Date	10.00am to 1.00pm	1.00pm to 2.00pm	2.00pm to 4.00pm
26.12.2017	Session1: Finite Difference Methods	Lunch	Session2: Regula Falsi Method
27.12.2017	Session3: Newton Raphson Method	Lunch	Session4: Secant Method
28.12.2017	Session5: Bisection Method	Lunch	Session6: Newton's Forward and Backward Interpolation
29.12.2017	Session7: Lagranges's Interpolation	Lunch	Session8: Lagranges's Interpolation
30.12.2017	Session9: Newtons Divided Difference	Lunch	Session10: Newtons Divided Difference

Program Coordinator

HOD





**Program Report**

**Date: 31.12.17**

**Duration: 4 Hours**

**No. of Participants: 07**

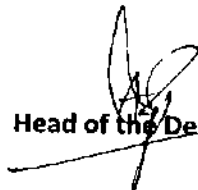
**Report :**

- He has motivated for all the faculties to improve their efficiency in their academic related issues.
- He has guided all the faculties in such a way that how faculty has to interact with the students in the classroom.
- His research ideas and knowledge helped to the faculties in their research areas.
- Faculties have gained new techniques to tackle the slow learners in the classroom.
- Apart from the FDP , the resource person has taught **Numerical Method and its Applications** which is related to current trends in research work.

**Program objectives: Motivation for all the Faculties**

**Program outcomes: Good and Interactive Session**

  
Co-ordinator

  
Head of the Department

# RAJARAJESWARI COLLEGE OF ENGINEERING

Approved by AICTE, New Delhi.  
Affiliated to the Visvesvaraya Technological University, Belagavi



Criterion: 6.3.3

Academic Year: 2017-18



## Faculty Development program on “Numerical Method and its Applications “

### Attendance Sheet

S.No.	Name of the Faculty	Day 1 26.12.17	Day 2 27.12.17	Day 3 28.12.17	Day 4 29.12.17	Day 5 30.12.17	Signature
1	Dr. G.S. Prasad	P	P	P	P	P	
2	Dr. Savitha B	P	P	P	P	P	
3	Dr. Anitha B.S.	P	P	P	P	P	
4	Mr. Manjunath	P	P	P	P	P	
5	Nafeesa	P	P	P	P	P	
6	Mr. Raveendra N	P	P	P	P	P	
7	Shilpa R	P	P	P	P	P	

### **ABOUT MCET:**

Moogambigai Charitable and Educational Trust, Bengaluru was established in the year 1992 with the sole objective for starting Institutions of higher education of exemplary stature in the state of Karnataka. In furtherance of this objective, the trust has been establishing institutions of higher learning in the state. Presently the trust is running 07 institutions in Karnataka and 19 institutions in Tamil Nadu in the field of Medical, Dental, Engineering and Management.

### **ABOUT RRCE:**

RajaRajeswari College of Engineering (RRCE) was established in the year 2006. The Institution is recognized by AICTE, New Delhi, approved by Govt. of Karnataka & is affiliated to Visvesvaraya Technological University (VTU), Belgaum. The Institution is accredited by NBA (ME, CSE, ECE & EE), NAAC 'A' Grade, HIACT and ISO 9001-2008 Certified. Institution offers UG courses in the disciplines of ME, EEE, CIVIL, ECE, CSE, ISE, TCE & Post Graduation courses in M. Tech (Digital Electronics & Communication, Communication Systems, Thermal Power Engineering, Computer Science & Engineering, Computer Network and Engineering), MBA, MCA & Research Programs in the Department of Mechanical Engineering, Computer Science & Engineering, Management Studies & Mathematics, Physics, Chemistry, Electronics and Communication Engineering leading to M.Sc (Engg.) by Research & PhD programs of VTU. The resource persons at RRCE are highly qualified & experienced. The campus is Wi-Fi enabled with well equipped state of the art laboratories, computing facilities, library, sports and hostel facilities for boys and girls. The college is located at a distance of 18kms from Bengaluru City Railway Station on Mysore road.

### **ABOUT THE DEPARTMENT:**

The Department of Mechanical Engineering was started in the year 2006. The department has highly qualified faculty with good blend of experience from both Academics and Industry. The department has well equipped laboratories with advanced software's. Within a span of 10 years the department has excelled in academics, research, curricular & co-curricular activities. Established "The Center of Excellence" in collaboration with Altair Hyperworks. Department is continuously organizing - seminars, conferences, workshops, FDPs, Industry - Institute Interactions at State & National levels. Currently the Department offers Ph.D Program & M.Sc. (Engg.) by Research in addition to UG & PG (M.Tech in Thermal Power Engineering) program affiliated to Visvesvaraya Technological University (VTU) Belgaum, Karnataka.

### **PROGRAMME OBJECTIVES:**

To define the concepts of Total quality management  
To ensure the awareness culture of total quality management  
Understand various approaches to TQM  
Understand the characteristics of quality leader and his role.  
Enhance the knowledge in Tools and Techniques of quality management

### **PROGRAMME CONTENTS:**

TQM Principles and Practice  
Leadership, Customer Satisfaction  
Continuous Process Improvement  
TQM Tools and Techniques  
Quality Management Systems

### **RESOURCE PERSONS:**

**Prof. Dr. Narahari**  
Professor, Dept. of IEM  
RVCE, Bangalore.

**Prof. Dr. A.K Moorthy**  
Dean, AMC Engineering College  
Bengaluru..

**Prof. Dr. D.P Girish**  
Dept. Of Mechanical  
Govt College of Engg, Ramnagara.

**Prof. Madhav Murthy,**  
Department of Mechanical Engineering,  
B.M.S.College of engineering,  
Bangalore.

### **DATE AND VENUE:**

The conference will be held on 29<sup>th</sup> - 31<sup>st</sup> Jan 2018 at Seminar Hall/ Mech, RRCE Campus, Bengaluru.

### **PARTICIPANTS:**

Faculty Members of all branches of Engineering Colleges

### **REGISTRATION FEES:**

Faculty from Academic Institutions : ₹ 200/-  
Number of seats are based on first come first serve

Professor & Head  
Dept. of Mechanical Engineering  
RAJARAJESWARI COLLEGE OF  
ENGINEERING  
Kumbalagodu, Mysore Road,  
Bengaluru - 1204



## **FACULTY DEVELOPMENT PROGRAMME on TOTAL QUALITY MANAGEMENT**

On  
**29<sup>th</sup> & 31<sup>st</sup> Jan, 2018**

**Organized**

**By**

**DEPARTMENT OF MECHANICAL ENGINEERING**



### **RAJARAJESWARI COLLEGE OF ENGINEERING**

NBA, NAAC 'A' Grade, HIACT-Accredited  
ISO 9001-2008 Certified Institution  
# 14, Ramohalli Cross, Mysore Road,  
Kumbalagodu, Bengaluru-560074.  
Phone: +91-80-28437512, +91-80-28437375  
Fax: + 91-80-28437373, [www.rrce.org](http://www.rrce.org)

## REGISTRATION FORM

Name: \_\_\_\_\_  
Designation: \_\_\_\_\_  
Organization: \_\_\_\_\_  
Address: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
Mobile: \_\_\_\_\_ Fax: \_\_\_\_\_  
E-mail: \_\_\_\_\_  
Details of the Registration fee: \_\_\_\_\_  
Name and Branch of Bank: \_\_\_\_\_  
DD no: \_\_\_\_\_ Date: \_\_\_\_\_ Amount: \_\_\_\_\_  
\_\_\_\_\_  
Date: \_\_\_\_\_ Signature of the Participant  
Place: \_\_\_\_\_

## SPONSORSHIP CERTIFICATE

Mr. / Mrs. \_\_\_\_\_  
is an employee of our Institute/Organization and is hereby  
sponsored. He/She will be permitted to attend the above  
FDP, if selected.  
Place: \_\_\_\_\_  
Date: \_\_\_\_\_

Signature of the sponsoring authority with seal

Professor & Head  
Dept. of Mechanical Engineering  
RAJARAJESWARI COLLEGE OF  
ENGINEERING  
Kumbalagodu, Mysore Road  
Bengaluru - 560074

## CHIEF PATRONS:

Sri. A. C. Shanmugham  
Chairman, RR Group of Institutions

Sri. A. C. S. Arun Kumar  
Vice-Chairman, RR Group of Institutions

## PATRONS:

Dr. S. Vijayanand  
Executive Director, RR Group of Institutions

Sri. S. Jayabalan  
Special Officer, RR Group of Institutions

Sri. C N Seetharam (Retd. IAS officer)  
Chief Executive Officer, RR Group of Institutions

Dr. T. R. Gopala Krishna Nair  
Rector, RR Group of Institutions

## ORGANIZING COMMITTEE:

CHAIRMAN:  
Dr. R. Balakrishna  
Principal, RRCE

CO-CHAIRMAN:  
Prof. Prabhakar M.  
Vice-Principal, RRCE

ORGANIZING SECRETARY:  
Dr. Yashovanth H. R.  
Professor and Head, Dept. of Mech. Engg.

## JOINT ORGANIZING SECRETARIES:

Dr. R. Shankara Reddy  
Professor, Dept. of Mech. Engg.  
Dr. M. N. Shankar  
Professor, Dept. of Mech. Engg.  
Dr. R. Mohan Raj  
Professor, Dept. of Mech. Engg.

## ADDRESS FOR CORRESPONDENCE:

### CONVENERS

Prof. Ramesh C.  
Associate Professor, Dept. of Mech. Engg.  
Mobile: 8884444065  
Prof. Mahendra H M.  
Asst. Professor, Dept. of Mech. Engg.  
Mobile: 7259389773 / 8217219330

### CO-CONVENERS:

Prof. B. D. Wadekar, - Asst. Prof, Dept. Mech. Engg.  
Prof. K.S.Madhu., - Asst. Prof, Dept. Mech. Engg.  
Prof. Radhakrishna.R.K., - Asst. Prof, Dept. Mech. Engg.  
Prof. Satheesha V., - Asst. Prof, Dept. Mech. Engg.

### EMAIL CORRESPONDENCE:

[fdptqmrce@gmail.com](mailto:fdptqmrce@gmail.com)

### WEBSITE VISIT:

[www.rrce.org](http://www.rrce.org)

### Note:

Registration fees include kit, snacks, tea and lunch.  
Registration fee should be paid in the form of crossed  
Demand Draft drawn in favour of "Principal,  
RajaRajeswari College of Engineering", payable at  
Bengaluru.

### CO-ORDINATORS:

Prof. Thanuj Kumar  
Prof. Pramod V. Koujalagi  
Prof. Srinivasalu Reddy N.  
Prof. Anand A.  
Prof. Praveen Kumar S. P.  
Prof. Dhananjay B. S.  
Prof. Ravi Kumar T.  
Prof. Shivalingaiah K.

Prof. Vishwanath K. C.  
Prof. Yellappa M.  
Prof. Ravikiran H. R.  
Prof. Deepthi H. M.  
Prof. Manju T.  
Prof. Palaksha.C.P  
Prof. Suresh.D  
Prof. Ningappa.K





# RAJARAJESWARI COLLEGE OF ENGINEERING

Ramohalli Cross, Kumbalagodu, Mysore Road,  
Bengaluru-560074. Phone: +91-80-28437124, +91-28437375, Fax: +91-80-2843 7373  
Website: [www.rrce.org](http://www.rrce.org)



## NAME OF THE DEPARTMENT


1. Title of FDP: Total Quality Management
2. Date of FDP: 29/01/2018 to 31/01/2018
3. Resource Person:  
**Prof. Dr. Narahari**  
Professor, Dept. of IEM  
RVCE, Bangalore.  
  
**Prof. Dr. A.K Moorthy**  
Dean, AMC Engineering College  
Bengaluru..  
  
**Prof. Dr. D.P Girish**  
Dept. Of Mechanical  
Govt College of Engg, Ramnagara.  
  
**Prof. Madhav Murthy,**  
Department of Mechanical Engineering,  
B.M.S. College of engineering,  
Bangalore.
4. Venue: Seminar Hall/ Mech, RRCE Campus, Bengaluru.
5. FDP objective: Define the concepts of Total quality management  
Ensure the awareness culture of total quality management  
Understand various approaches to TQM  
Understand the characteristics of quality leader and his role.  
Enhance the knowledge in Tools and Techniques of quality management
6. Photos of event: (10 maximum): Attached

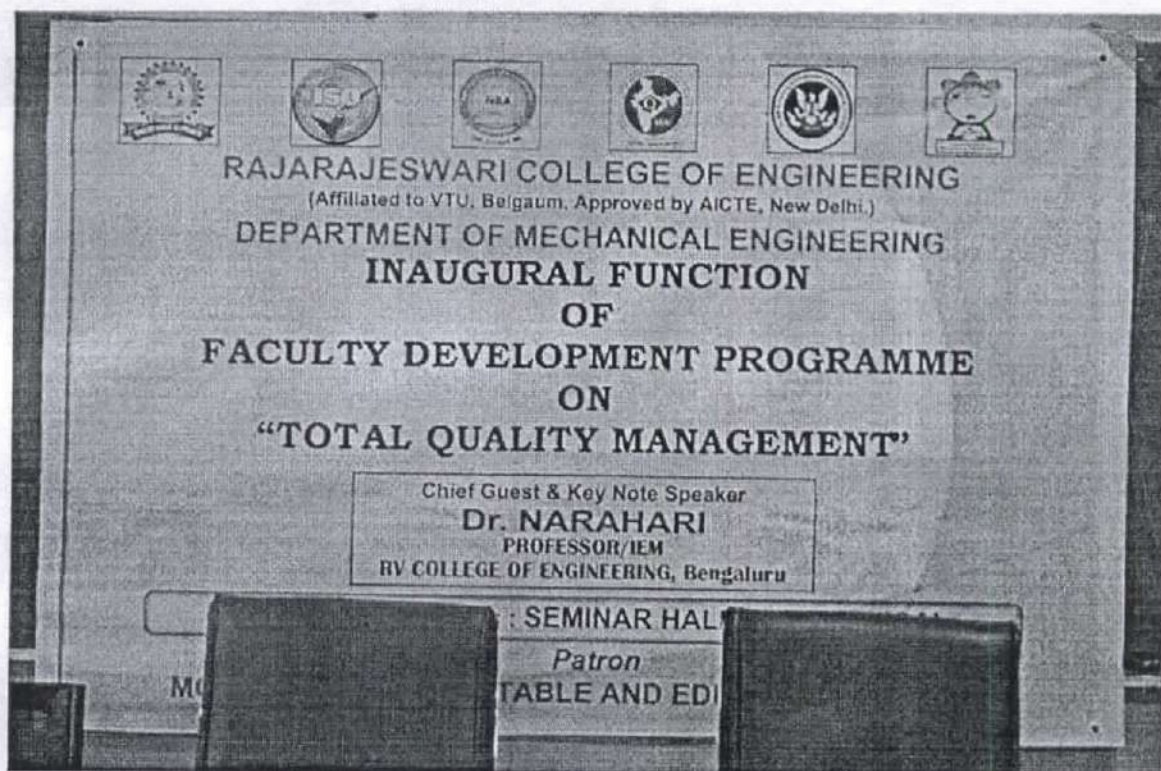
*[Signature]*  
Prof. Dr. D.P. Girish  
Dept. of Mechanical Engineering  
RAJARAJESWARI COLLEGE OF  
ENGINEERING  
Kumbalagodu, Mysore Road  
Bengaluru - 560074



The participants in overall enhanced their pedagogy skills in the subject, Total Quality Management.

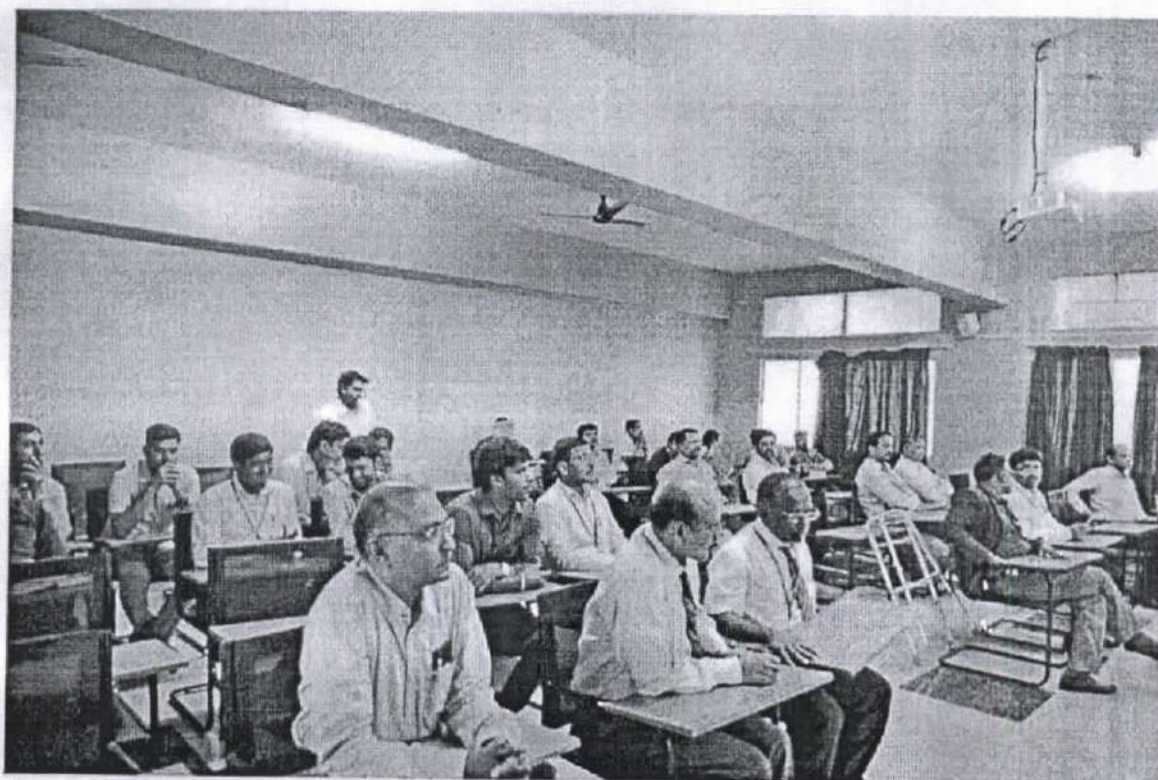
- By way of knowing the significance of the various definitions, concepts, principle, benefits and Quality Gurus of TQM
- Understanding the clarity of various approaches in case of implementing TQM in industries
- Interactions have been done over the Quality Management Systems such as benefits of ISO registration, ISO 9000 series standards and ISO9001 requirements.
- Detailed study has been experienced on the role of TQM leader, Characteristics of quality leaders, leadership concepts, ethics, etc.
- Discussion has been covered on customer perception of quality, customer complaints, customer retention and case studies
- Understanding the various tools used for statistical process control such as Pareto diagram, Flow diagram, cause and effect diagram, check list sheet, various control charts, etc
- Detailed study has been carried out on Bench marketing, QFD, Quality by Design, TDM.FMEA

  
Professor & Head  
Dept. of Mechanical Engineering  
RAJARAJESWARI COLLEGE OF  
ENGINEERING  
Kumbalagodu, Mysore Road  
Bengaluru - 560074



Professor & Head  
Dept. of Mechanical Engineering  
RAJARAJESWARI COLLEGE OF  
ENGINEERING  
Kumbalagodu, Mysore Road  
Bengaluru - 560074





7. Total number of participants: 30

8. FDP Outcome:

*Prof. [Signature]*  
 Dept. of Mechanical Engineering  
 RAJARAJESWARI COLLEGE OF  
 ENGINEERING  
 Kumbhalagodu, Mysore Road  
 Bengaluru - 560074



Moogambigai Charitable and Educational Trust

## **RAJARAJESWARI COLLEGE OF ENGINEERING**

#14, Ramohalli Cross, Kumbalgudu, Mysuru Road, Bengaluru - 560 074.

(Affiliated to VTU, Belagavi, Approved by AICTE, New Delhi.)

### **TWO DAYS FACULTY DEVELOPMENT PROGRAM ON "TOTAL QUALITY MANAGEMENT"**

#### **Certificate**

*This is to certify that Mr./Ms. THANU KUMAR M. participated in Two days Faculty Development Program held on 29<sup>th</sup> & 31<sup>st</sup> Jan 2018 Organized by Department of Mechanical Engineering, RajaRajeswari College of Engineering, Bengaluru, Karnataka.*

  
Name  
Coordinator

  
Name  
Organizing Secretary

  
Name  
Principal, RRCE





# RajaRajeswari College of Engineering

(Approved by AICTE, New Delhi, Govt. of Karnataka. Affiliated to Visvesvaraya Technological University, Belagavi)

#14, Ramohalli Cross, Kumbalgodu, Mysore Road, Bengaluru – 560074



## Department of Information Science and Engineering

### Circular

**Date: 29-12-2017**

All the faculties are hereby informed that the Information Science and Engineering department is organizing an “Android App Development” faculty development program from 01-01-2018 to 07-01-2018. All the faculty members are encouraged to attend the program.

**Head of the Department**

Professor & HOD

Dept. of Information Science & Engg.  
RajaRajeswari College of Engineering  
Bengaluru - 560074.



#### CHIEF PATRON

**Dr. A.C. Shanmugam**, B.A., LL.B., FIMSA, FRCPs (Glasgow, U.K.)  
Chairman, RRG, Bengaluru.

#### PATRONS

**Sri. A. C. S. ArunKumar**  
Vice-Chairman, RRG, Bengaluru.

**Dr. S. Vijayanand**  
Executive Director, RRG, Bengaluru.

**Dr. S. Jeyabalan**  
Special Officer, RRG, Bengaluru.

**Sri. C.N. Seetharaman (Retd IAS Officer)**  
CEO, RRG, Bengaluru.

#### COPATRONS

**Dr. T.R. Gopalakrishnan Nair**  
Rector, RRG, Bengaluru.

**Dr. R. Balakrishna**  
Principal, RRCE, Bengaluru.

**Dr. Amutharaj J**  
Professor & Head  
Dept of Information Science & Engineering  
Bengaluru-74.

Ph: 080-28437124-327

#### REGISTRATION

Registration to the FDP is open to personnel from Academia and Industry. The selection process is based on first come first serve basis.

Participants will be given the participation/ attendance certificates in the valedictory function.

Registration fee: Rs. 1000 (Thousand Rs Only) per participant.

#### IMPORTANT DATES

**Last Date for Registration: 31st December 2017**

#### VENUE

The FDP will be held at RajaRajeswari College of Engineering in APJ Abdul Kalam Conference Hall, 2<sup>nd</sup> Floor.

#### Resource Person

**Mrs. Vedha S**  
Associate Professor,  
Department of MCA,  
VVV College, Tamilnadu

**Prof. Mrs. Rajeshwari S**  
Assistant Professor, Dept. of ISE, RRCE.

**Prof. Ashwini R Mailpatil**  
Assistant Professor, Dept. of ISE, RRCE.



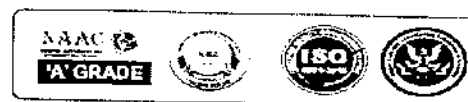
IEEE



**RAJARAJESWARI COLLEGE OF ENGINEERING**

Mysore Road, Bengaluru - 560 074

Ph: +91-80-28437373 Fax: +91-80-28437124  
Website: www.rrce.org



Seven Days

Faculty Development Program

**" Android App Development"**

01 st January to 07 th January 2018

Organized By

Department of  
Information Science & Engineering

**RAJARAJESWARI COLLEGE OF  
ENGINEERING**

(Approved by AICTE, New Delhi)  
ACCREDITED BY NAAC, 'A' Grade

**RajaRajeswari College of Engineering**  
 Department of  
**Information Science & Engineering**  
 Seven Days Faculty Development Programme  
 on  
**"Android App Development"**

**REGISTRATION FORM**

Name: \_\_\_\_\_  
 (IN CAPITAL LETTERS)  
 Designation: \_\_\_\_\_  
 Department: \_\_\_\_\_  
 College: \_\_\_\_\_  
 Address: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 Phone: \_\_\_\_\_ Mob: \_\_\_\_\_  
 Email: \_\_\_\_\_  
 Cheque / DD No: \_\_\_\_\_  
 Amount: \_\_\_\_\_  
 Date: \_\_\_\_\_

Registration fees can be paid in cash during the on-spot

\_\_\_\_\_  
 Principal /  
 Head of the Department

\_\_\_\_\_  
 Signature  
 (Participant)

**About the Institution**

Rajarajeswari College of Engineering (RRCE) was established in the year 2006 under the shelter of Moogambigai Charitable and Educational Trust (estd. 1992) with the sole object of establishing Institutions of higher education of exemplary stature in the state of Karnataka.

RRCE is approved by AICTE, New Delhi and is affiliated to Visvesvaraya Technological University (VTU), Belgaum, and Karnataka. The Institute offers six UG Engineering courses (Civil, Mechanical, Electrical & Electronics, Electronics & Communication, Computer Science & Engineering and Information Science & Engineering) and five PG courses Viz.

**About the ISE Department**

The Department of Information Science and Engineering aims at fostering excellence in academics & research. Over the years it has trained students to be globally competitive and to advance the intellectual capacity of the nation and the international community. We envision our students to be globally recognized as leaders, innovators and competent professionals.

The department has more than 12 teaching, non-teaching & supporting staffs). The current intake of the department for BE is 60. The department has a VTU recognized research center with full-time and part-time Ph.D. students pursuing research in areas like High Performance Computing, Data Mining, Cloud

Computing, Sensor Networks, Adhoc Networks and Machine Learning.

**Address for communication**

The Coordinator,

FDP on Android App Development  
 Department of Information Science & Engineering,  
 RRCE, Mysore Road, Bangalore – 560074.  
 Mobile: 9739078115/ 9611244447



## Department of Information Science and Engineering

### FDP: Android Application Development

01/01/2018 to 07/01/2018

#### Program Schedule

**Day 1:** (Time: 9:00 AM to 12:00 and 01:00 PM to 04:00 PM)

- Introduction to Android
- Learn about Android Development from basics

**Day 2:** (Time: 9:00 AM to 12:00 and 01:00 PM to 04:00 PM)

- Installation Of Android Studio
- Know about Android Studio, Creating "Hello World" app and much more

**Day 3:** (Time: 9:00 AM to 12:00 and 01:00 PM to 04:00 PM)

- Project Structure & View Groups
- Get insights on Android Manifest file & View Groups like, Linear, Relative

**Day 4:** (Time: 9:00 AM to 12:00 and 01:00 PM to 04:00 PM)

- Activity in Android
- Understand the concepts of Activity, Activity life cycle, Concept of Toast and more

**Day 5:** (Time: 9:00 AM to 12:00 and 01:00 PM to 04:00 PM)


- Accessing Res in Java
- Learn about the concept of On click Listeners

**Day 6:** (Time: 9:00 AM to 12:00 and 01:00 PM to 04:00 PM)

- Intents & Types of Intent
- Build project upon Login/Signup Form & know about Intents

**Day 7:** (Time: 9:00 AM to 12:00 and 01:00 PM to 04:00 PM)

- Data Storage
- Get to know about Shared Preference, Internal & External Storage

  
Professor & HOD  
Dept. of Information Science & Engg.  
Rajarajeswari College of Engineering  
Bengaluru - 560 074



## Department of Information Science and Engineering

### Faculty Development program on "Android App Development"

#### Program Report

Date:07/01/2018

Duration : 7 days

No. of Participants: 25

#### Program objectives:

To give knowledge and hands on experience on

To know about the Android application development and while providing them with an opportunity to improve their Knowledge in Future.

#### Program outcomes:

- Basics of Android.
- Android Layouts and Widgets.
- Communication and Media.
- Storage Techniques and Animation in Android.
- Web Services and Customizations of Widgets.
- Advanced Android Concepts.
- Publishing Android Apps on Google Play.

Photo:



*Ashwini*  
Co-ordinator

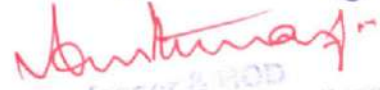
*[Signature]*  
Professor & HOD  
Dept. of Information Science & Engg  
Rajarajeswari College of Engineering  
Bengaluru - 560074  
Head of the Department



## Department of Information Science and Engineering

### FDP: "Android App Development" Attendance List

S.No	Name with Department	01-01-2018	02-01-2018	03-01-2018	04-01-2018
01	Dr. B. Anurag	Prof.	Prof.	Prof.	Prof.
2	Direkumar	AA	AA	AA	AA
3	Arijun	AA	AA	AA	AA
4	Rajkumar	Prof.	Prof.	Prof.	Prof.
5	Rohan Rai	Prof.	Prof.	Prof.	Prof.
6	Deekshitha .M	Deekshitha	Deekshitha	Deekshitha	Deekshitha
7	Deepa .K	Deepa .K	Deepa .K	Deepa .K	Deepa .K
8	Anisha	Anisha	Anisha	Anisha	Anisha
9	Sankarath .A	Sankarath .A	Sankarath .A	Sankarath .A	Sankarath .A
10	Shiva .Koddy .P	Shiva .Koddy .P	Shiva .Koddy .P	Shiva .Koddy .P	Shiva .Koddy .P
11	Kajal	Kajal	Kajal	Kajal	Kajal
12	Rashmi	Rashmi	Rashmi	Rashmi	Rashmi
13	Mamatha	AA	AA	AA	AA
14	Theerina .M	Theerina .M	Theerina .M	Theerina .M	Theerina .M
15	Sukli	Sukli	Sukli	Sukli	Sukli
16	Thanupriya	Thanupriya	Thanupriya	Thanupriya	Thanupriya
17	Shilpa .S. Burari	Shilpa .S. Burari	Shilpa .S. Burari	Shilpa .S. Burari	Shilpa .S. Burari
18	Vinitha	Vinitha	Vinitha	Vinitha	Vinitha
19	Sheela .K .H .A	Sheela .K .H .A	Sheela .K .H .A	Sheela .K .H .A	Sheela .K .H .A
20	Rakshitha .N	Rakshitha .N	Rakshitha .N	Rakshitha .N	Rakshitha .N
21	Soundarya .H .J	Soundarya .H .J	Soundarya .H .J	Soundarya .H .J	Soundarya .H .J

  
 Professor & HOD  
 Dept. of Information Science & Engg.  
 Jayaprakash College of Engineering  
 Bangalore - 560 074.



## Department of Information Science and Engineering

### FDP: "Android App Development"

#### Attendance List

S.No	Name with Department	05-01-2018	06-01-2018	07-01-2018	
01	Dr. J. Anandaraman	Roof..	Roof..	Roof..	
02	Minakum	AA	AA	AA	
03	Rajeshwari S	Raj	Raj	Raj	
04	Sankarath A	Sank	Sank	Sank	
05	Roopa	Roopa	Roopa	Roopa	
06	Arjun	AA	AA	AA	
07	Shiva Reddy P	Shiv	Shiv	Shiv	
08	Deekshitha M	Deekshitha	Deekshitha	Deekshitha	
09	Sumathi K Malt	S	S	S	
10	Anusha	Anea	Anea	Anea	1
11	Rajani	Raj	Raj	Raj	
12	Rashmi	Rash	Rash	Rash	
13	Mamatha	MA	MA	MA	
14	Theekhiram	Thee	Thee	Thee	
15	Suteli	S	S	S	
16	Thaneupriya R.M.	Thane	Thane	Thane	
17	Shilpa S. Ebnari	Shil	Shil	Shil	
18	Vinodh	Vinod	Vinod	Vinod	
19	Shree Lakshmi J. A	Shree	Shree	Shree	
20	Rakshitha N	Rakshitha	Rakshitha	Rakshitha	
21	Soundarya H. J	Soundarya	Soundarya	Soundarya	




**RAJARAJESWARI COLLEGE OF ENGINEERING**  
#14, Ramohalli Cross, Kumbalgodu Post, Mysore Road, Bangalore -74  
Affiliated to VTU, Belgavi, Approved by AICTE, New Delhi




Seven Days Faculty Development Program on  
**Android App Development**

Certificate of Participation

This is Certify that Dr/Mr/Ms. Sukhi M.S. of  
Information Science & Engineering has  
participate Seven Days Faculty Development Program on “**Android App Development**”  
Organized by the Department of Information Science and Engineering of RajaRajeswari College of  
Engineering, Bangalore on 01-01-2018 to 07-01-2018.

  
**Dr. Amutharaj. J**  
HoD, Dept of ISE  
RRCE

  
**Dr. R. Balakrishna**  
Principal  
RRCE



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Seven Days Faculty Development Program on

## **Android App Development**

Certificate of Participation

This is Certify that Dr/Mr/Ms. Mrs. Rashmi . N of  
Tutor, Dept of ISE has  
participate Seven Days Faculty Development Program on “**Android App Development**”  
Organized by the Department of Information Science and Engineering of RajaRajeswari College of  
Engineering, Bangalore on 01-01-2018 to 07-01-2018.

  
**Dr. Amutharaj. J**  
HoD, Dept of ISE  
RRCE

  
**Dr. R. Balakrishna**  
Principal  
RRCE



# RajaRajeswari College of Engineering

No.14, Ramohalli Cross, Kumbalgodu, Mysore Road, Bengaluru-560 074  
(APPROVED BY AICTE, NEW DELHI & AFFILIATED TO VTU, BELAGAVI)

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING


## CIRCULAR

Date: 15/02/2018

To,

All the Faculty.

Hereby informed that, Department of ECE is organizing three days faculty development program on **Programming with ARM Cortex-M3 Microcontroller** on 05<sup>th</sup> to 07<sup>th</sup> March 2018. In this regards faculty of various departments are requested to register for this FDP on or before 01/03/2018 and make the event a grand success.

  
**HOD/ECE**  
**PROFESSOR & HEAD**  
DEPT. OF ELECTRONICS & COMMUNICATION ENG  
RAJARAJESWARI COLLEGE OF ENGG.  
BENGALURU - 560074



**Chief Patrons**

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Chairman, RajaRajeswari Group of Institutions

Sri. A. C. S. Arun Kumar

Vice-Chairman, RajaRajeswari Group of Institutions

**Patrons**

Sri. Vijayanand. S

Executive Director, RajaRajeswari Group of Institutions

Sri. S. Jeyabalan

Special Officer, RajaRajeswari Group of Institutions

**Co-Patron**

Dr. T R Gopalakrishnan Nair,

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**Principal**

Dr. R. Balakrishna

RajaRajeswari College of Engineering

**Organizing Secretary**

Dr. L. Swarna Jyothi

Head, Dept. of ECE

**Programme Committee**

Dr. L. Rangaiah, Dept of ECE, RRCE

Prof. S M Vijaya, Dept of ECE, RRCE

Prof. P. Bhuvaneswari, Dept of ECE, RRCE

Prof. Sumitha R, Dept of ECE, RRCE

Prof. B B S Kumar, Dept of ECE, RRCE

Prof. Saroja Maralabhavi, Dept of ECE, RRCE

Prof. Aruna S, Dept of ECE, RRCE

Prof. M. SatyaSrinivas, Dept of ECE, RRCE

About RRCE: RajaRajeswari College of Engineering (RRCE), established in the year 2006 under the shelter of Moogambigai Charitable and Educational Trust, estab-

**Organizing Committee**

Dr. P. V Rao, Dept of ECE, RRCE

Prof. V. Sreepathi, Dept of ECE, RRCE

Prof. Lokesh. K, Dept of ECE, RRCE

Prof. Sumitha Manoj, Dept of ECE, RRCE

Prof. Vani S B, Dept of ECE, RRCE

Prof. Santhosh. G, Dept of ECE, RRCE

Prof. Harish. N J, Dept of ECE, RRCE

Prof. Santosh Chavan, Dept of ECE, RRCE

Prof. Gireesh H.R, Dept of ECE, RRCE

Prof. Ajay M, Dept of ECE, RRCE

Prof. Darwin Britto, Dept of ECE, RRCE

Prof. Haritha K, Dept of ECE, RRCE

Prof. Pushpa M J, Dept of ECE, RRCE

Prof. Suresh M, Dept of ECE, RRCE

**Contact:**

Prof. Chaithanya. S

Mob: 9900403554

Email: rrcefdp@gmail.com

**Address for Communication**

Dept. of Electronics and Communication Engg.

RajaRajeswari College of Engineering,

Mysore road, Kumbalagodu,

Bengaluru - 560074

Phone : 080- 28437124, 28437375 Fax: 080- 28437373

**FACULTY DEVELOPMENT PROGRAMME**

ON

"Programming with ARM Cortex-M3 Microcontroller"

05<sup>th</sup> to 07<sup>th</sup> March 2018

**ORGANIZED BY**

Dept. of Electronics & Communication Engineering

RajaRajeswari College of Engineering (ISO 9001:2008)

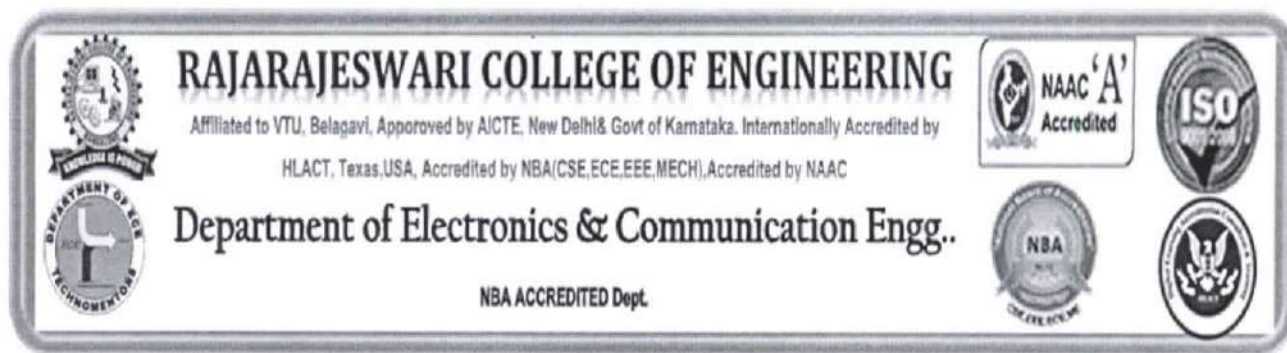
Mysore Road, Bengaluru - 560 074.

Ph: + 91-80-28437124

Fax: +91- 80-28437373

Website: [www.rrce.org](http://www.rrce.org)

*C. R. Sreedhar*  
**PROFESSOR & HEAD**  
 DEPT. OF ELECTRONICS & COMMUNICATION ENG  
 RAJARAJESWARII COLLEGE OF ENGG.  
 BENGALURU - 560 074



FDP

On

## **“Programming with ARM Cortex-M3 Microcontroller”**

- **Event Date:** 05<sup>th</sup> to 07<sup>th</sup> March 2018
- **Venue :** Sathyendra Nath Bose Seminar Hall and AM Lab, Department of ECE, RRCE, Bengaluru
- **Workshop Objective:** The faculty will gain knowledge on Embedded System and ARM-32 bit microcontrollers, Overview of ARM COTEX M3 Architecture, Hands on session with ARM Cortex M3 LPC1768 Evaluation board, Usage of ARM Kit, Installation of Kiel-4 Software. This will be an important inclusion in to make students to do project in embedded system domine
- **Resource Person:** Mr. Madan Kumar, Technical Engineer, Micolabs Pvt. Ltd. Bangalore.
- **Target Participants:** Academicians, Research Scholars, R & D personal of all related Engineering fields are invited to participate.
- **Number of faculty registered:** 25
- **Outcome of the workshop:**
  - Understand the architectural features and instructions of 32 bit microcontroller ARM Cortex M3.
  - Apply the knowledge gained for Programming ARM Cortex M3 for different applications.
  - Understand the basic hardware components and their selection method based on the characteristics and attributes of an embedded system.
  - Develop the hardware /software co-design and firmware design approaches.
  - Explain the need of real time operating system for embedded system application

*C. R. Sreedh*  
**PROFESSOR & HEAD**  
 DEPT. OF ELECTRONICS & COMMUNICATION ENG  
 RAJARAJESWARI COLLEGE OF ENGG.  
 BENGALURU - 560 074

Workshop  
On  
"Programming with ARM Cortex-M3 Microcontroller"



*L. Ramesh*  
**HOD/ECE**

**PROFESSOR & HEAD**  
DEPT. OF ELECTRONICS & COMMUNICATION ENG  
RAJARAJESWARI COLLEGE OF ENGG  
BENGALURU - 560 074



# RajaRajeswari College of Engineering

No.14, Ramohalli Cross, Kumbalagodu, Mysore Road, Bengaluru-560 074  
(APPROVED BY AICTE, NEWDELHI & AFFILIATED TO VTU, BELAGAVI)

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

FDP on "Programming with ARM Cortex-M3 Microcontroller"

05<sup>th</sup> to 07<sup>th</sup> March 2018

Attendance Sheet

S. NO	Name of the faculty	Day-1 05/03/2018	Day-2 06/03/2018	Day-3 07/03/2018
1	Santhosh .G	ghs	ghs	ghs
2	Tijothi . A . P	JL	JL	JL
3	Smitha	h	h	h
4	Dr. P. Bhargava	VB	VB	VB
5	P. S. Satya Prasad	SPS	SPS	SPS.
6	Sumithamani	S	S	S
7	Lokesh . k	L	L	L
8	P. S. S. M. R. Jay	P	P	P
9	Arune . f.	AS	AS	AS.
10	Vani . S. Brody	V	V	V
11	AJAY . N.	A	A	A
12	V. SREEDHAR	V	V	V
13	Seentosh chavan	SC	SC	SC
14	Chaitanya . S	CS	CS	CS



15	Haritha .k.	HR	HR	HR
16	VM. SARAVANA PERUMPA	VM	VM	VM
17	Srinivas K	SR	SR	SR
18	Darwin Britto	DBR	DBR	DBR.
19	L.N. Day	LND	LND	LND
20	Hari . N S	HNS	<del>C. HNS</del>	HNS
21	Saroja maddhuk	Sm	Sm	Sm
22	Deerice J	Dj	Dj	Dj
23	Puska MJ	PJ	PJ	PJ
24	Abhishe	Ab	Ab	Ab
25	Uthe.	U	U	U
26				
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35				



**Moogambigai Charitable And Educational Trust**  
**RAJARAJESWARI COLLEGE OF ENGINEERING**

#14, Ramohalli Cross, Kumbalagodu, Mysore Road, Bangalore-560074  
(Affiliated to the VTU, Belagavi & Approved by AICTE, New Delhi)

**ELECTRONICS & COMMUNICATION ENGINEERING**



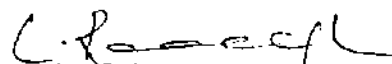
*A Three Day FDP*

On

*Programming with ARM Cortex-M3 Microcontroller*

**PARTICIPATION CERTIFICATE**

This is to certify that **Mr.B.B. S. Kumar** of **Rajarajeswari college of engineering** has participated in a three day FDP on “Programming with ARM Cortex-M3 Microcontroller”, organized by the Department of Electronics and Communication Engineering, from 05<sup>th</sup> to 07<sup>th</sup> March 2018.

  
Head of the Department  
**DR. L Rangaiah**

  
Principal  
**DR. R. BALAKRISHNA**



**Moogambigai Charitable And Educational Trust**



**RAJARAJESWARI COLLEGE OF ENGINEERING**

#14, Ramohalli Cross, Kumbalagodu, Mysore Road, Bangalore-560074  
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**ELECTRONICS & COMMUNICATION ENGINEERING**

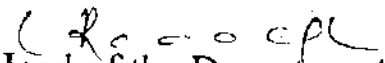
*A Three Day FDP*

On

*Programming with ARM Cortex-M3 Microcontroller*

**PARTICIPATION CERTIFICATE**

This is to certify that **Mr. Harish. N.J** of **Rajarajeswari college of engineering** has participated in a three day FDP on “Programming with ARM Cortex-M3 Microcontroller”, organized by the Department of Electronics and Communication Engineering, from 05<sup>th</sup> to 07<sup>th</sup> March 2018.

  
Head of the Department  
**DR. L Rangaiah**

  
Principal  
**DR. R. BALAKRISHNA**



# RajaRajeswari College of Engineering

No.14, Ramohalli Cross, Kumbalgodu, Mysore Road, Bengaluru-560 074  
(APPROVED BY AICTE, NEW DELHI & AFFILIATED TO VTU, BELAGAVI)

## DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Faculty Development Programme on  
"Programming with ARM Cortex-M3 Microcontroller"  
05<sup>th</sup> to 07<sup>th</sup> March 2018

### FEEDBACK ON FDP

Please tick the appropriate option.

1. How did you get to know about the FDP? Through:

(a) Friends (b) Brochure (c) College website (d) e-mail (e) Any other (mention) C

2. Was the information in the FDP useful? ✓ Yes /No

3. Rate the following on a scale of 1 to 5

(1-Not satisfactory, 2-Satisfactory, 3-Good, 4-Very good, 5-Excellent)

Information content

4

Understandability

3

Relevance of the topic to you

4

Communication of the presenter

3

Level of interaction

4

Hands on training

2

4. Quality of Equipment/Ambience etc. : good

5. Do you want some more of such FDPs? Yes/No

If yes, suggest topics

very nice

6. Suggestions/comments if any

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\*\*\*\*\* Thank you for your valuable feedback \*\*\*\*\*





## RAJARAJESWARI COLLEGE OF ENGINEERING

Approved by AICTE, New Delhi.  
Affiliated to the Visvesvaraya Technological University, Belagavi  
Academic Year:



### DEPARTMENT OF CIVIL ENGINEERING

#### Circular

Date: 2/3/2018

All the faculty are hereby informed that the CIVIL ENGINEERING department is organizing a faculty development program on **"Evaluation of Strength of Concrete Structures using Non Destructive Testing Materials"** from 5-3-2018 to 9-3-2018. All the faculty members are encouraged to attend the program.

  
Head of the Department

Professor & HOD  
Department of Civil Engineering  
RAJARAJESWARI COLLEGE OF ENGINEERING  
Bengaluru-74



# RAJARAJESWARI COLLEGE OF ENGINEERING

Ramohalli Cross, Kumbalgodu, Bangalore  
Department of Civil Engineering



**'A' GRADE**

## Chief Patron:

Sri A.C. Shanmugham  
Chairman, RR Group of Institutions

Sri A.C.S. ArunKumar  
Vice-Chairman, RR Group of  
Institutions

## Patrons:

Sri Vijayanand S.  
Executive Director, RR Group of  
Institutions

Sri, C.N.Seetharam  
Chief Executive officer, RRG

Sri, S.Jayabalan  
Special officer, RR Group of  
Institutions

## Co Patrons

Dr.T.R.Gopalkrishnan Nair  
Rector, RR Group of Institutions

Dr.R.Balakrishna  
Principal, RRCE

Convener  
Dr. H S Govardhana Swamy  
Professor and Head  
Department of Civil Engineering

## INVITATION

FOR

Faculty Development Program

ON

**“Evaluation of Strength of Concrete  
Structures using Non Destructive Testing  
Materials”**

## Inauguration

Date and Venue:

5/03/2018-9/3/2018

9.0 am – 10.0am

Dr. Sir M Visvesvaraya Seminar hall

By

Civil Engineering Department

Your's sincerely

Dr. H S Govardhana Swamy  
Professor and Head  
Department of Civil Engineering

  
Professor and Head  
Department of Civil Engineering  
RAJARAJESWARI COLLEGE OF ENGINEERING  
Bangalore-74

## REGISTRATION FORM

5-DAY FDP ON

### Evaluation of Strength of Concrete Structures using Non Destructive Testing Materials

On

5/3/2018 to 9/3/2018

Registration fees: Nil

Limited seats are available. On first come first serve basis.

1. Name \_\_\_\_\_
2. Designation \_\_\_\_\_
3. Department \_\_\_\_\_
4. Qualification \_\_\_\_\_
5. Institution \_\_\_\_\_
6. Address \_\_\_\_\_
7. Email \_\_\_\_\_
8. Tel: \_\_\_\_\_

*All are cordially invited*

Note: Interested faculty members of RRCE may please contact Prof Shalini G V for registration

Registration is free

All communications may be made to:

**Dr. H S Govardhana Swamy**

Organizing Secretary

Head of the Department

Department of Civil Engineering, RajaRajeswari  
College of Engineering, Kumbalgodu,  
Near Ramohalli Cross, Bangalore - 560074. E-Mail :  
aravinadan@gmail.com  
Mobile : 9449995110

Signature of the Participant

5-DAY FDP ON

### Evaluation of Strength of Concrete Structures using Non Destructive Testing Materials

On

5/3/2018 to 9/3/2018



Organized By

**Department of Civil Engineering**

**RAJARAJESWARI COLLEGE**

**OF ENGINEERING**

(Affiliated to Visvesvaraya Technological University, Belgaum & Recognized by the AICTE, New Delhi)

#14, Ramohalli Cross, Kumbalgodu,  
Mysore Road, Bengaluru - 560074.

Professor & HOD

Department of Civil Engineering  
RAJARAJESWARI COLLEGE OF ENGINEERING  
Bengaluru-74



**DEPARTMENT OF CIVIL ENGINEERING**

**5 day Faculty Development program on “Evaluation of Strength of Concrete Structures using Non Destructive Testing Materials”**

**Program Report**

**Date: 9/3/2018**

**Duration : 5 Days**

**Target of participant : FACULTY**

**No. of Participants: 15**

**Program objectives:** The main objective of this programme is to provide insights and technical knowledge about Non-Destructive Testing and Material. This Faculty Development Programme is intended to provide opportunities for faculties employed to get practical hands on training on how materials can be tested by the recent trends on Non-Destructive testing method

**Program outcomes:** This program will be helpful for the faculty to enhance their teaching and other skills

- make them aware about modern teaching tools and methodologies
- acquire knowledge about current technological developments in relevant fields.
- impart professional practices relevant to technical education
- achieve competitive teaching and learning environment


**Head of the Department**

*[Signature]*  
Professor & HOD  
Department of Civil Engineering  
RAJARAJESWARI COLLEGE OF ENGINEERING  
Bengaluru-74



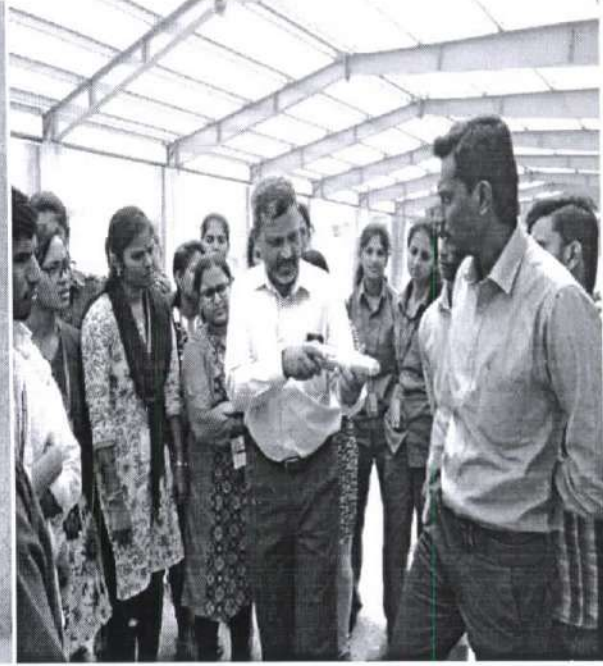
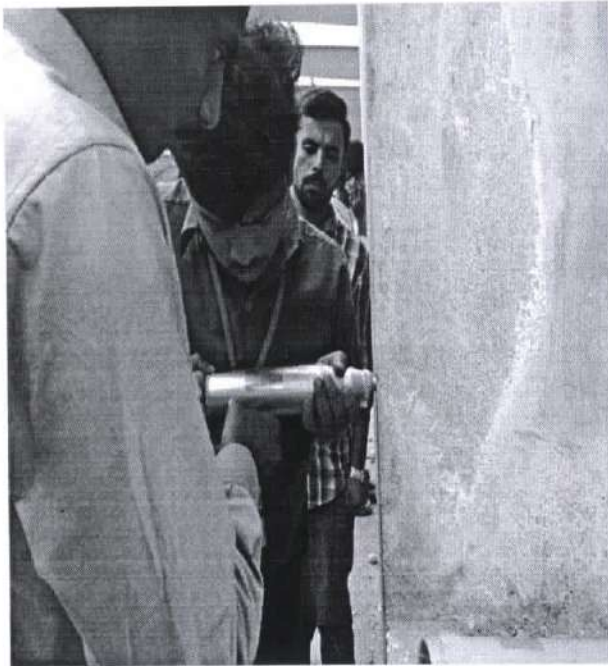
**DEPARTMENT OF CIVIL ENGINEERING****5 day Faculty Development program on “Evaluation of Strength of Concrete Structures using Non Destructive Testing Materials”****Event schedule**

Date	10.00 AM to 1.00 AM	1.00 to 2.00PM	2.00 PM to 4.00 PM
05/03/2018	Session 1: non-destructive examination Resource Person: Mr.Sudarsha S Iyengar	Lunch	Session 2: rebound hammer test Resource Person: Dr.Bhavanishankar S
06/03/2018	Session 3: ultrasonic pulse velocity test Resource Person: Mr.Ajit Sabnis	Lunch	Session 4: identify and quantify potential defects Resource Person: Mr.Naveen
07/03/2018	Session 5: liquid penetrant testing Resource Person: Mrs.Veena	Lunch	Session 6: compressive strength Resource Person: Mr.Rajaram B N
08/03/2018	Session 7: : identify and quantify potential defects  Resource Person: Mrs.Ramys	Lunch	Session 8: ultrasonic pulse velocity test Resource Person: Mr.Naveen
09/03/2018	Session 9: liquid penetrant testing Resource Person:Mr.Ragav	Lunch	Interactive session., Feedback and Valedictory Function

  
Professor & HOD  
Department of Civil Engineering  
RAJARAJESWARI COLLEGE OF ENGINEERING  
Bengaluru-74

# RAJARAJESWARI COLLEGE OF ENGINEERING

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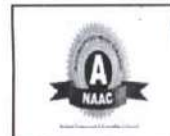


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<https://www.rrce.org>

Professor & HOD  
Department of Civil Engineering  
RAJARAJESWARI COLLEGE OF ENGINEERING  
Bengaluru-74





DEPARTMENT OF CIVIL ENGINEERING

Faculty Development program on “Evaluation of Strength of Concrete Structures using Non Destructive Testing Materials “

Attendance Sheet

Sl.No.	Name of the Faculty	Day 1 5/3/2018	Day 2 6/3/2018	Day 3 7/3/2018	Day 4 8/3/2018	Day 5 9/3/2018
1	Heman					
2	Abhishek					
3	Dr. DCSKhan					
4	Dr. K. Aravind					
5	M. C. Malaresh					
6	P. S. Koran					
7	Ashtwini. L. H.					
8	Shanmugan					
9	Shalini. G. V.					
10	Venu. A. N.					
11	KANU. A. M. M.					
12	M. SARAVAN					
13	M. ANAND					
14	Arinach					
15	Chetan					

Professor & HOD  
Department of Civil Engineering  
RAJARAJESWARI COLLEGE OF ENGINEERING  
Bengaluru-74

# RAJARAJESWARI COLLEGE OF ENGINEERING

Approved by AICTE, New Delhi.  
Affiliated to the Visvesvaraya Technological University, Belagavi



## DEPARTMENT OF CIVIL ENGINEERING FEEDBACK FORM

Date: 9-3-19

Event Name Evaluation of Strength of Concrete Structures using NDT

Please indicate the extent to which you agree with the following statements

1. Information provided at this event is relevant to you
2. You are likely to use this information in the future

Excellent	Very good	Good	Satisfactory	Poor
<input checked="" type="checkbox"/>				
	<input checked="" type="checkbox"/>			

3. Resources provided at this event are relevant to you
4. You are likely to use these resources in the future

Excellent	Very good	Good	Satisfactory	Poor
	<input checked="" type="checkbox"/>			
<input checked="" type="checkbox"/>				

5. Presentations were interesting
6. You would recommend this event to others

Excellent	Very good	Good	Satisfactory	Poor
	<input checked="" type="checkbox"/>			
	<input checked="" type="checkbox"/>			

7. There were opportunities to network with other stakeholders

Excellent	Very good	Good	Satisfactory	Poor
<input checked="" type="checkbox"/>				

8. Overall, the event was worthwhile

Excellent	Very good	Good	Satisfactory	Poor
		<input checked="" type="checkbox"/>		
		<input checked="" type="checkbox"/>		
			<input checked="" type="checkbox"/>	

9. The venue was suitable
10. The venue was easy to get to
11. Refreshments were suitable
12. Other comments

THANK YOU FOR YOUR FEEDBACK

DEPARTMENT OF CIVIL ENGINEERING  
RAJARAJESWARI COLLEGE OF ENGINEERING  
Bengaluru-74



# RAJARAJESWARI COLLEGE OF ENGINEERING

Approved by AICTE, New Delhi.

Affiliated to the Visvesvaraya Technological University, Belagavi



## DEPARTMENT OF CIVIL ENGINEERING FEEDBACK FORM

Date: 9/3/2018 Event Name: Evaluation of strength of concrete structure using NDT

Please indicate the extent to which you agree with the following statements

1. Information provided at this event is relevant to you

Excellent	Very good	Good	Satisfactory	Poor
	✓			
✓				

2. You are likely to use this information in the future

Excellent	Very good	Good	Satisfactory	Poor
✓				
	✓			

3. Resources provided at this event are relevant to you

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	✓			
✓				

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Excellent	Very good	Good	Satisfactory	Poor

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Excellent	Very good	Good	Satisfactory	Poor
		✓		
			✓	
			✓	

9. The venue was suitable

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12. Other comments

THANK YOU FOR YOUR FEEDBACK

Prof. Dr. M. S. S. S. S.  
Department of Civil Engineering  
RAJARAJESWARI COLLEGE OF ENGINEERING  
Bengaluru-74

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## DEPARTMENT OF CIVIL ENGINEERING FEEDBACK FORM

Date: 9/3/18

Event Name Evolution of strength of Concrete  
Structure using NDT

Please indicate the extent to which you agree with the following statements

1. Information provided at this event is relevant to you

Excellent	Very good	Good	Satisfactory	Poor
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

2. You are likely to use this information in the future

Excellent	Very good	Good	Satisfactory	Poor
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Excellent	Very good	Good	Satisfactory	Poor
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Professor  
Department of Civil Engineering  
RAJARAJESWARI COLLEGE OF ENGINEERING  
Bengaluru-74

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## DEPARTMENT OF CIVIL ENGINEERING FEEDBACK FORM

Date: 09/03/2018 Event Name Evaluation of strength of concrete structure using NDT

Please indicate the extent to which you agree with the following statements

1. Information provided at this event is relevant to you

Excellent	Very good	Good	Satisfactory	Poor
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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THANK YOU FOR YOUR FEEDBACK

  
Professor & HOD  
Department of Civil Engineering  
RAJARAJESWARI COLLEGE OF ENGINEERING  
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Date: 09/03/2018 Event Name: Evaluation of strength of concrete structure using NDT

Please indicate the extent to which you agree with the following statements

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Excellent	Very good	Good	Satisfactory	Poor
✓				
	✓			

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	✓			

3. Resources provided at this event are relevant to you

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	✓			

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Excellent	Very good	Good	Satisfactory	Poor
✓				
✓				
✓				
NIL				

9. The venue was suitable

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THANK YOU FOR YOUR FEEDBACK

Professor A. H. ...  
Department of Civil Engineering  
RAJARAJESWARI COLLEGE OF ENGINEERING  
Bengaluru-74



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## DEPARTMENT OF CIVIL ENGINEERING FEEDBACK FORM

Date: 09/03/2018 Event Name: Evaluation OF Strength of concrete structures Using NDT.

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Excellent	Very good	Good	Satisfactory	Poor
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	✓			
✓				
		✓		
✓	Nil			

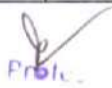
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THANK YOU FOR YOUR FEEDBACK

Prof.   
Department of Civil Engineering  
RAJARAJESWARI COLLEGE OF ENGINEERING  
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Professor S. HOD  
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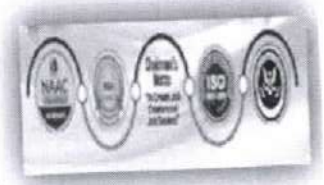
THANK YOU FOR YOUR FEEDBACK

*Dr. S. S. S. S.*  
Professor & Head  
Department of Civil Engineering  
RAJARAJESWARI COLLEGE OF ENGINEERING  
Bengaluru-74





**RAJARAJESWARI COLLEGE OF ENGINEERING**  
(Affiliated to the Visvesvaraya Technological University, Belgaum)  
#14, Ramohalli Cross, Kumbalagodu, Mysore Road, Bengaluru- 560074.




**DEPARTMENT OF CIVIL ENGINEERING**  
**CERTIFICATE**

This is to certify that <sup>✓</sup>Mr/Ms/Dr/Mrs GANGADHARA. N of  
RRCE, B'lore has successfully completed the 5-DAY FDP ON Evaluation of Strength of  
Concrete Structures using Non Destructive Testing Materials from 5<sup>th</sup> to 9<sup>th</sup> MARCH 2018

  
HOD

Dr. H.S Govardhanaswamy

  
Principal  
Dr. R. Balakrishna





# RajaRajeswari College of Engineering



(Approved by AICTE, New Delhi, Govt. of Karnataka, Affiliated to Visvesvaraya Technological University, Belagavi)

#14, Ramohalli Cross, Kumbalgodu, Mysore Road, Bengaluru - 560074

## Department of Information Science and Engineering

### Circular

**Date: 07-04-2018**

All the faculties are hereby informed that the Information Science and Engineering department is organizing a "Cyber Security on Networks" faculty development program from 09-04-2018 to 15-04-2018. All the faculty members are encouraged to attend the program.

**Head of the Department**

Professor & HOD

Dept. of Information Science & Engg.  
RajaRajeswari College of Engineering  
Bengaluru - 560 074.

#### CHIEF PATRON

**Dr. A.C. Shanmugam**, B.A., L.L.B., FIMSA, FRCPs (Glasgow, U.K.)  
Chairman, RRG, Bengaluru.

#### PATRONS

**Sri. A. C. S. ArunKumar**  
Vice-Chairman, RRG, Bengaluru.

**Dr. S. Vijayanand**  
Executive Director, RRG, Bengaluru.

**Dr. S. Jeyabalan**  
Special Officer, RRG, Bengaluru.

**Sri. C.N. Seetharaman (Retd IAS Officer)**  
CEO, RRG, Bengaluru.

#### COPATRONS

**Dr. T.R. Gopalakrishnan Nair**  
Rector, RRG, Bengaluru.

**Dr. R. Balakrishna**  
Principal, RRCE, Bengaluru.

**Dr. Amutharaj J**  
Professor & Head  
Dept of Information Science & Engineering  
Bengaluru-74.

**Ph: 080-28437124-327**

#### REGISTRATION

Registration to the FDP is open to personnel from Academia and Industry. The selection process is based on first come first serve basis.

Participants will be given the participation/ attendance certificates in the valedictory function.

Registration fee: Rs. 1000 (Thousand Rs Only) per participant.

#### IMPORTANT DATES

**Last Date for Registration: 1st April 2018**

#### VENUE

The FDP will be held at RajaRajeswari College of Engineering in APJ Abdul Kalam Conference Hall, 2<sup>nd</sup> Floor.

#### REGULATING PATRON

**Dr. Vecto S**  
Professor,  
Department of CSE,  
MGR University.

**Prof. Mrs. Rajeshwari S**  
Assistant Professor, Dept. of ISE, RRCE.

**Prof. Ashwini R Mailpatil**  
Assistant Professor, Dept. of ISE, RRCE.



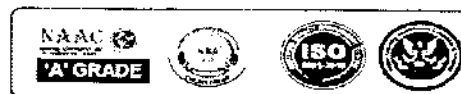
IEEE



**RAJARAJESWARI COLLEGE OF ENGINEERING**

Mysore Road, Bengaluru - 560 074

Ph: + 91-80-28437373 Fax: +91- 80-28437124  
Website: [www.rrce.org](http://www.rrce.org)



**Seven Days**

**Faculty Development Program**

**"Cyber Security on Networks"**

**09 th to 15 th April 2018**

Organized By

Department of  
**Information Science & Engineering**

**RAJARAJESWARI COLLEGE OF ENGINEERING**

(Approved by AICTE, New Delhi)  
ACCREDITED BY NAAC, 'A' Grade

**RajaRajeswari College of Engineering**  
Department of  
**Information Science & Engineering**

Seven Days Faculty Development Programme  
on

**"Cyber Security on Networks"**

**REGISTRATION FORM**

Name: \_\_\_\_\_  
(IN CAPITAL LETTERS)

Designation: \_\_\_\_\_

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

College: \_\_\_\_\_

Address: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Phone: \_\_\_\_\_ Mob: \_\_\_\_\_

Email: \_\_\_\_\_

Cheque / DD No: \_\_\_\_\_

Amount: \_\_\_\_\_

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

Registration fees can be paid in cash during the on-spot

\_\_\_\_\_  
Principal /  
Head of the Department

\_\_\_\_\_  
Signature  
(Participant)

**About the Institution**

Rajarajeswari College of Engineering (RRCE) was established in the year 2006 under the shelter of Moogambigai Charitable and Educational Trust (estd. 1992) with the sole object of establishing Institutions of higher education of exemplary stature in the state of Karnataka.

RRCE is approved by AICTE, New Delhi and is affiliated to Visvesvaraya Technological University (VTU), Belgaum, and Karnataka. The Institute offers six UG Engineering courses (Civil, Mechanical, Electrical & Electronics, Electronics & Communication, Computer Science & Engineering and Information Science & Engineering) and five PG courses Viz.

**About the ISE Department**

The Department of Information Science and Engineering aims at fostering excellence in academics & research. Over the years it has trained students to be globally competitive and to advance the intellectual capacity of the nation and the international community. We envision our students to be globally recognized as leaders, innovators and competent professionals.

The department has more than 12 teaching, non-teaching & supporting staffs). The current intake of the department for BE is 60. The department has a VTU recognized research center with full-time and part-time Ph.D. students pursuing research in areas like High Performance Computing, Data Mining, Cloud

Computing, Sensor Networks, Adhoc Networks and Machine Learning.

**Address for communication**

The Coordinator,

FDP on Cyber Security on Networks  
Department of Information Science & Engineering,  
RRCE, Mysore Road, Bangalore – 560074.  
Mobile: 9739078115/ 9611244447



## Department of Information Science and Engineering

### Faculty Development program on “Cyber Security on Networks”

#### Program Report

Date:15/04/2018

Duration : 7 days

No. of Participants: 25

#### Program objectives:

To give knowledge and hands on experience on

To know about the Cyber security a while providing them with an opportunity to improve their

Knowledge for future works.

#### Program outcomes:

- Analyze and resolve security issues in networks and computer systems to secure an IT infrastructure.
- Design, develop, test and evaluate secure software.
- Develop policies and procedures to manage enterprise security risks.
- Evaluate and communicate the human role in security systems with an emphasis on ethics, social engineering vulnerabilities and training.
- Interpret and forensically investigate security incidents.





# RajaRajeswari College of Engineering

(Approved by AICTE, New Delhi, Govt. of Karnataka, Affiliated to Visvesvaraya Technological University, Belagavi)

#14, Ramohalli Cross, Kumbalgodu, Mysore Road, Bengaluru - 560074



Photo:



*Ashmini*

Co-ordinator

*[Signature]*  
Head of the Department  
Professor  
Dept. of Information Science & Engg.  
RajaRajeswari College of Engineering  
Bengaluru - 560074.



## Department of Information Science and Engineering

### FDP: Cyber Security on Networks

09/04/2018 to 15/04/2018

#### Program Schedule

**Day 1:** (Time: 9:00 AM to 12:00 and 01:00 PM to 04:00 PM)

- Introduction to Cyber security
- Network Security
- VPN

**Day 2:** (Time: 9:00 AM to 12:00 and 01:00 PM to 04:00 PM)

- Access Control -MAC DAC UNIX
- Honey Pot
- Web security
- Application Security

**Day 3:** (Time: 9:00 AM to 12:00 and 01:00 PM to 04:00 PM)

- Malware Analysis
- Intruder Detection
- Hands on training

**Day 4:** (Time: 9:00 AM to 12:00 and 01:00 PM to 04:00 PM)

- Network Traffic Analysis

**Day 5:** (Time: 9:00 AM to 12:00 and 01:00 PM to 04:00 PM)

- Android Security

**Day 6:** (Time: 9:00 AM to 12:00 and 01:00 PM to 04:00 PM)

- Secure Development - Secure Coding DevSecOp
- Memory Forensic

**Day 7:** (Time: 9:00 AM to 12:00 and 01:00 PM to 04:00 PM)

- Host-based Intrusion Detection System (HIDS)

*[Signature]*  
Professor & HOD  
Dept. of Information Science & Engg.  
Rajarajeswari College of Engineering  
Bangalore - 560 074.

## Department of Information Science and Engineering

### FDP: "Cyber Security on Networks"

#### Attendance List

S.No	Name with Department	09-04-2018	10-04-2018	11-04-2018	12-04-2018
01	Dr. J. Anuradha	Prof.	Prof.	Prof.	Prof.
2	Dinehkumar	Prof.	Prof.	Prof.	Prof.
3	S. Ganesh Aravhu	Ganesh	Ganesh	Ganesh	Ganesh
4	S. Rithish	S. Rithish	S. Rithish	S. Rithish	S. Rithish
5	M. Shridhar	M. Shridhar	M. Shridhar	M. Shridhar	M. Shridhar
6	Symukh K. Muthy	Symukh	Symukh	Symukh	Symukh
7	Shobitha G.K	Shobitha	Shobitha	Shobitha	Shobitha
8	Mamatha	MA	MA	MA	MA
9	Mamatha CN	MA	MA	MA	MA
10	Anusha	Aceea	Aceea	Aceea	Aceea
11	Sushrutha	Sere	Sere	Sere	Sere
12	Arjun	AA	AA	AA	AA
13	Vinutha. V	Vinutha	Vinutha	Vinutha	Vinutha
14	Sukhi	S	S	S	S
15	Threshina. M	Threshina	Threshina	Threshina	Threshina
16	Deekshitha. M	Deekshitha	Deekshitha	Deekshitha	Deekshitha
17	Rajeshwari. S	Rajeshwari	Rajeshwari	Rajeshwari	Rajeshwari
18	Fajana	Fajana	Fajana	Fajana	Fajana
19	Rohith	Rohith	Rohith	Rohith	Rohith
20	Pooja. J	Pooja. J	Pooja. J	Pooja. J	Pooja. J
21	Shanthi. R	Shanthi. R	Shanthi. R	Shanthi. R	Shanthi. R

Anuradha

Professor & HOD  
Dept. of Information Science & Engg.  
Rajajeswari College of Engineering  
Bangalore - 560 076

## Department of Information Science and Engineering

**FDP: "Cyber Security on Networks"**

### Attendance List

S.No	Name with Department	13-04-2018	14-04-2018	15-04-2018	
01	Dr. B. B. B. B. B. B.	Prof.	Prof.	Prof.	
02	Dineshkumar	Prof.	Prof.	Prof.	
03	Sukli	Prof.	Prof.	Prof.	
04	Yashwanth S	Yashwanth S	Yashwanth S	Yashwanth S	
05	S. Ganesan Prabhu	Ganesan	Ganesan	Ganesan	
06	Deekshitha M	Deekshitha	Deekshitha	Deekshitha	
07	Rishish	Rishish	Rishish	Rishish	
08	M. Shridhar	M. Shridhar	M. Shridhar	M. Shridhar	
09	Sumith K. Muthy	Sumith K. Muthy	Sumith K. Muthy	Sumith K. Muthy	
10	Anusha	Anusha	Anusha	Anusha	
11	Thiruvina M	Thiruvina M	Thiruvina M	Thiruvina M	
12	P. J. J.	P. J. J.	P. J. J.	P. J. J.	
13	R. J. J.	R. J. J.	R. J. J.	R. J. J.	
14	Pooja J	Pooja J	Pooja J	Pooja J	
15	Sushmitha	Sushmitha	Sushmitha	Sushmitha	
16	Vinutha K	Vinutha K	Vinutha K	Vinutha K	
17	Mamatha	Mamatha	Mamatha	Mamatha	
18	Shobitha G. K	Shobitha G. K	Shobitha G. K	Shobitha G. K	
19	Arjun	Arjun	Arjun	Arjun	
20	Shanthi R	Shanthi R	Shanthi R	Shanthi R	
21	Rohith	Rohith	Rohith	Rohith	





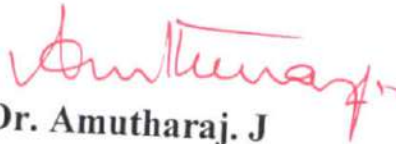
**RAJARAJESWARI COLLEGE OF ENGINEERING**  
#14, Ramohalli Cross, Kumbalgodu Post, Mysore Road, Bangalore -74  
Affiliated to VTU, Belgavi, Approved by AICTE, New Delhi




Seven Days Faculty Development Program on  
**Cyber Security on Networks**

Certificate of Participation

This is Certify that Dr/Mr/Ms. Abhinav R of  
Information science & engineering has  
participate Seven Days Faculty Development Program on “Cyber Security on Networks”  
Organized by the Department of Information Science and Engineering of RajaRajeswari College of  
Engineering, Bangalore on 09-04-2018 to 15-04-2018.

  
**Dr. Amutharaj. J**  
HoD, Dept of ISE  
RRCE

  
**Dr. R. Balakrishna**  
Principal  
RRCE




**RAJARAJESWARI COLLEGE OF ENGINEERING**  
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Affiliated to VTU, Belgavi, Approved by AICTE, New Delhi




Seven Days Faculty Development Program on  
**Cyber Security on Networks**

Certificate of Participation

This is Certify that Dr/Mr/Ms. Ms. Sowmya B. R of  
Tutor, Dept of ISE has  
participate Seven Days Faculty Development Program on “**Cyber Security on Networks**”  
Organized by the Department of Information Science and Engineering of RajaRajeswari College of  
Engineering, Bangalore on 09-04-2018 to 15-04-2018.

  
**Dr. Amutharaj. J**  
HoD, Dept of ISE  
RRCE

  
**Dr. R. Balakrishna**  
Principal  
RRCE




## Department of Information Science and Engineering

### Circular

Date: 02-05-2018

All the faculties are hereby informed that the Information Science and Engineering department is organizing a “Big data Analytics” faculty development program from 04-05-2018 to 05-05-2018. All the faculty members are encouraged to attend the program.

  
Professor & HOD  
Dept. of Information Science & Engg  
RajaRajeswari College of Engineering  
Bengaluru

**Head of the Department**

#### CHIEF PATRON

Dr. A.C. Shanmugam, B.A. LL.B, FMSA, FRCPs (Glasgow, U.K.)  
Chairman, RRG, Bengaluru.

#### PATRONS

Sri. A. C. S. ArunKumar  
Vice-Chairman, RRG, Bengaluru.

Dr. S. Vijayanand  
Executive Director, RRG, Bengaluru.

Dr. S. Jeyabalan  
Special Officer, RRG, Bengaluru.

Sri. C.N. Seetharaman (Retd IAS Officer)  
CEO, RRG, Bengaluru.

#### COPATRONS

Dr. T.R. Gopalakrishnan Nair  
Rector, RRG, Bengaluru.

Dr. R. Balakrishna  
Principal, RRCE, Bengaluru.

#### ORGANIZING SECRETARY

Dr. Amutharaj J  
Professor & Head  
Dept of Information Science & Engineering  
Bengaluru-74.

Ph: 080-28437124-327

#### REGISTRATION

Registration to the FDP is open to personnel from Academia and Industry. The selection process is based on first come first serve basis.

Participants will be given the participation/ attendance certificates in the valedictory function.

Registration fee: Rs. 500 (Five hundred Only) per participant.

#### IMPORTANT DATES

Last Date for Registration: 30<sup>th</sup> April 2018

#### VENUE

The FDP will be held at RajaRajeswari College of Engineering in CSE Seminar Hall, 5th Floor.

#### Resource Person

Dr. Jyothi .D. R  
PG Coordinator, Dept. of CSE,  
Bangalore Institute of Technology.

#### Co-ordinators

Prof. Mrs. Rajeshwari S  
Associate Professor, Dept. of ISE, RRCE.  
Prof. Mr. Dineshkumar M  
Assistant Professor, Dept. of ISE, RRCE.



**RAJARAJESWARI COLLEGE OF ENGINEERING**  
Mysore Road, Bengaluru - 560 074

Ph: + 91-80-28437373 Fax: +91- 80-28437124  
Website: www.rrce.org



## Two Days Faculty Development Program " Big Data Analytics"

04<sup>th</sup> May – 05<sup>th</sup> May 2018

Organized By

Department of  
Information Science & Engineering

RAJARAJESWARI COLLEGE OF ENGINEERING  
(Approved by AICTE, New Delhi)  
ACCREDITED BY NAAC, 'A' Grade



**RajaRajeswari College of Engineering**  
Department of  
**Information Science & Engineering**

Two Days Faculty Development Programme  
On

**“Big Data Analytics”**

04<sup>th</sup> to 05<sup>th</sup> May 2018

**REGISTRATION FORM**

Name: \_\_\_\_\_  
(IN CAPITAL LETTERS)

Designation: \_\_\_\_\_

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

College: \_\_\_\_\_

Address: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Phone: \_\_\_\_\_ Mob: \_\_\_\_\_

Email: \_\_\_\_\_

Cheque / DD No: \_\_\_\_\_

Amount: \_\_\_\_\_

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

Registration fees can be paid in cash during the on-spot registration of the FDP on 04<sup>th</sup> May 2018.

\_\_\_\_\_  
Principal /  
Head of the Department

\_\_\_\_\_  
Signature  
(Participant)

**About the Institution**

Rajarajeswari College of Engineering (RRCE) was established in the year 2006 under the shelter of Moogambigai Charitable and Educational Trust (estd. 1992) with the sole object of establishing Institutions of higher education of exemplary stature in the state of Karnataka.

RRCE is approved by AICTE, New Delhi and is affiliated to Visvesvaraya Technological University (VTU), Belgaum, and Karnataka. The Institute offers six UG Engineering courses (Civil, Mechanical, Electrical & Electronics, Electronics & Communication, Computer Science & Engineering and Information Science & Engineering) and five PG courses Viz.

**About the ISE Department**

The Department of Information Science and Engineering aims at fostering excellence in academics & research. Over the years it has trained students to be globally competitive and to advance the intellectual capacity of the nation and the international community. We envision our students to be globally recognized as leaders, innovators and competent professionals.

The department has more than 12 teaching, non-teaching & supporting staffs. The current intake of the department for BE is 60. The department has a VTU recognized research center with full-time and part-time Ph.D. students pursuing research in areas like High Performance Computing, Data Mining, Cloud Computing, Sensor Networks, Adhoc Networks and Machine Learning.

**Address for communication**

**The Coordinator,  
FDP on Big Data Analytics ,  
Department of Information Science &  
Engineering,  
RRCE, Mysore Road, Bangalore – 560074.  
Mobile: 9739078115/ 9611244447**



## Department of Information Science and Engineering FDP: Big Data Analytics 04/05/2018 to 05/05/2018 Program Schedule

### Day 1:

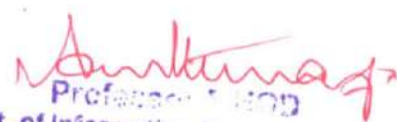
(Time: 9:00 AM to 12:00 and 01:00 PM to 04:00 PM)

- Introduction to Bigdata
- Data and Algorithms
- Health care analysis
- Big data Problem panels

### Day 2:

(Time: 9:00 AM to 12:00 and 01:00 PM to 04:00 PM)

- Data Analytics
- Data Analytics with excel
- Data Science
- Deep learning

  
Professor  
Dept. of Information Science & Engg.  
Rajareswari College of Engineering  
Bangalore - 560 074.



## **Department of Information Science and Engineering**

### **Faculty Development program on “Big data Analytics“**

#### **Program Report**

**Date: 05/05/2018**

**Duration: 2 days**

**No. of Participants: 20**

#### **Program objectives:**

To give knowledge and hands on experience on

To know about the Big data analytics awhile providing them with an opportunity to improve their Knowledge for projects

#### **Program outcomes:**

- Staffs have developed relevant **programming** abilities.
- Staffs demonstrated proficiency with statistical **analysis of data**.
- Staffs develop the ability to build and assess **data-based models**.
- Staffs execute statistical analyses with professional statistical **software**.
- Staffs demonstrate skill in **data management**.

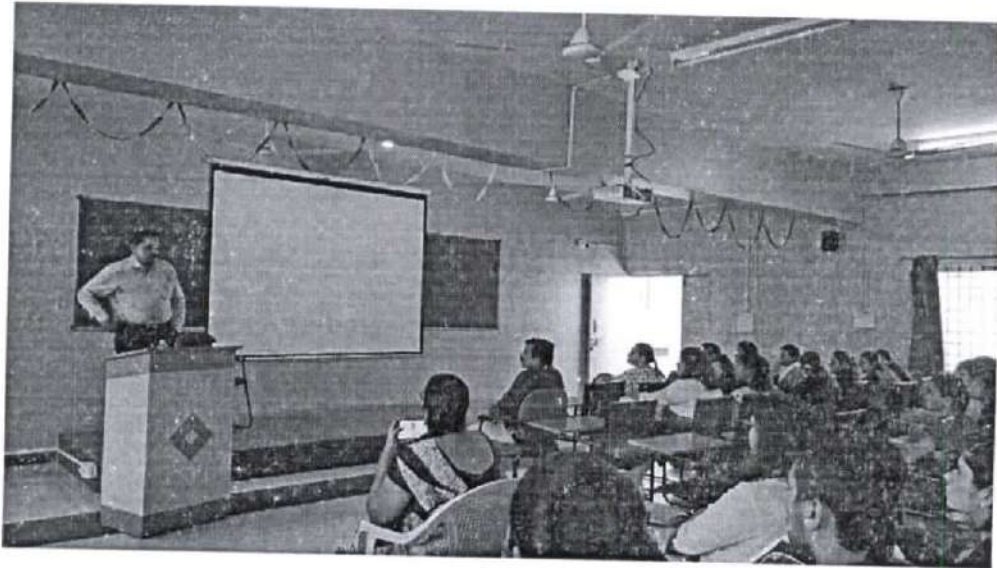


# RajaRajeswari College of Engineering

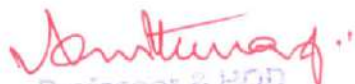
(Approved by AICTE, New Delhi, Govt. of Karnataka, Affiliated to Visvesvaraya Technological University, Belagavi)  
#14, Ramohalli Cross, Kumbalgodu, Mysore Road, Bengaluru - 560074



Photo:



  
Co-ordinator

  
Professor & HOD  
Dept. of Information Science & Engg.  
RajaRajeswari College of Engineering  
Head of the Department



## Department of Information Science and Engineering

### FDP: "Big Data Analytics"

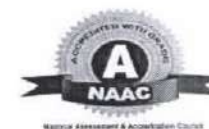
#### Attendance List

S.No	Name with Department	04-05-2018	05-05-2018
1	Dr. Amutharaj. J	<i>Amutharaj</i>	<i>Amutharaj</i>
2	Mr. Ananda kumar K.S	<i>AK</i>	<i>AK</i>
3	Mrs. Vinutha H	<i>VH</i>	<i>VH</i>
4	Mrs. Neha Singhal	<i>Neha</i>	<i>Neha</i>
5	Mr. Dineshumar M	<i>Dinesh</i>	<i>Dinesh</i>
6	Mrs. Rajeshwari S	<i>Rajeshwari S.</i>	<i>Rajeshwari S.</i>
7	Mrs. Veda D	<i>Veda D</i>	<i>Veda D</i>
8	Mrs. Chaitra S	<i>Chaitra S</i>	<i>Chaitra S</i>
9	Mrs. Ashwini M Pathil	<i>Ashwini</i>	<i>Ashwini</i>
10	Mr. Saravana Perumal V. M	<i>Saravana</i>	<i>Saravana</i>
11	Dr. Usha S	<i>Usha</i>	<i>Usha</i>
12	Dr. D. Soby	<i>Soby</i>	<i>Soby</i>
13	Dr. D. Sivakumar	<i>D. Sivakumar</i>	<i>D. Sivakumar</i>

*Amutharaj*  
 Professor & HOD  
 Dept. of Information Science & Engg.  
 Rajarajeswari College of Engineering  
 Bangalore - 560 074.



**RAJARAJESWARI COLLEGE OF ENGINEERING**  
#14, Ramohalli Cross, Kumbalgodu Post, Mysore Road, Bangalore -74  
Affiliated to VTU, Belgavi, Approved by AICTE, New Delhi



Two Days Faculty Development Program on

## **Big Data Analytics**

Certificate of Participation

This is Certify that Mr/Ms. Neha Singhal. of  
Department of ISE has  
participate Two Days Faculty Development Program on “**Big Data Analytics**” Organized by the  
Department of Information Science and Engineering of RajaRajeswari College of Engineering,  
Bangalore on 04-05-2018 to 05-05-2018.

**Dr. Amutharaj. J**

HoD, Dept of ISE  
RRCE

**Dr. R. Balakrishna**  
Principal  
RRCE



## RAJARAJESWARI COLLEGE OF ENGINEERING

(Under the auspices of the Moogambigai Charitable and Educational Trust)

(Affiliated to the Visvesvaraya Technological University, Belgaum)

(Recognized by the AICTE, New Delhi)

#14, Ramohalli Cross, Kumbalagodu, Mysore Road, Bengaluru-560074.

Phone: +91-80-28437124, +91-28437375, Fax: +91-80-2843 7373, [www.rrce.org](http://www.rrce.org)



### DEPARTMENT OF MECHANICAL ENGINEERING

---

Date: 04/05/2018

#### Circular

It is hereby informed to all the staff members that the department is organizing 03 days SDP on the topic “**Computer Aided Engineering Drawing**” from 16<sup>th</sup> to 18<sup>th</sup> May 2018. All are requested to attend the SDP and make better utilization of the recourse person and opportunity.

  
Coordinators

  
HoD - ME  
Professor & Head  
Dept. of Mechanical Engineering  
RAJARAJESWARI COLLEGE OF  
ENGINEERING  
Kumbalagodu, Mysore Road  
Bengaluru - 560074

### **ABOUTMCET:**

Moogambigai Charitable and Educational Trust, Bengaluru was established in the year 1992 with the sole objective for starting Institutions of higher education of exemplary stature in the state of Karnataka. In furtherance of this objective, the trust has been establishing institutions of higher learning in the state. Presently the trust is running 07 institutions in Karnataka and 19 institutions in Tamil Nadu in the field of Medical, Dental, Engineering and Management.

### **ABOUTRRCE:**

RajaRajeswari College of Engineering (RRCE) was established in the year 2006. The Institution is recognized by AICTE, New Delhi, approved by Govt. of Karnataka & is affiliated to Visvesvaraya Technological University (VTU), Belgaum. **The Institution is accredited by NBA (ME, CSE, ECE & EE), NAAC 'A' Grade, HACT and ISO 9001-2008 Certified.** Institution offers UG courses in the disciplines of ME, EEE, CIVIL, ECE, CSE, ISE, TCE & Post Graduation courses in M. Tech (Digital Electronics & Communication, Communication Systems, Thermal Power Engineering, Computer Science & Engineering, Computer Network and Engineering), MBA, MCA & Research Programs in the Department of Mechanical Engineering, Computer Science & Engineering, Management Studies & Mathematics, Physics, Chemistry, Electronics and Communication Engineering leading to MSc (Engg.) by Research & PhD programs of VTU. The resource persons at RRCE are highly qualified & experienced. The campus is Wi-Fi enabled with well-equipped state of the art laboratories, computing facilities, library, sports and hostel facilities for boys and girls. The college is located at a distance of 18kms from Bengaluru City Railway Station on Mysore road.

### **ABOUT THE DEPARTMENT:**

The Department of Mechanical Engineering was started in the year 2006. The department has highly qualified faculty with good blend of experience from

both Academics and Industry. The department has well equipped laboratories with advanced software's. Within a span of 10 years the department has excelled in academics, research, curricular & co-curricular activities. **"Computer Aided Engineering Drawing"**. Department is continuously organizing - seminars, conferences, workshops, SDPs, Industry-Institute Interactions at State & National levels. Currently the Department offers **PhD Program & M.Sc. (Engg.) by Research** in addition to UG & PG (M.Tech in Thermal Power Engineering) program affiliated to Visvesvaraya Technological University (VTU) Belgaum, Karnataka.

### **SDP OBJECTIVES:**

The objective of this SDP is to enhance knowledge on latest inventions, strategies and systems that are influencing manufacturing.

### **DATE AND VENUE:**

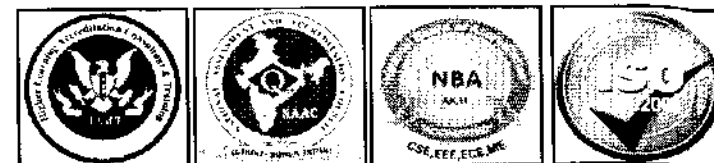
The SDP will be held on 16<sup>th</sup> to 17<sup>th</sup> May 2018 at Mechanical Seminar Hall, RRCE Campus, Bengaluru.

### **PARTICIPANTS:**

Foreman, Instructors, Non Technician can take the benefits of SDP.

### **REGISTRATION FEES:**

SDP is free and any faculty from AICTE affiliated engineering colleges can participate. FDP is open to all branches.



## **THREE DAYS STAFF DEVELOPMENT PROGRAM ON**

**"Computer Aided Engineering  
Drawing"**

**On**

**16<sup>th</sup> to 18<sup>th</sup> May 2018**

**Organized**

**By**

**DEPARTMENT OF MECHANICAL  
ENGINEERING**



## **RAJARAJESWARI COLLEGE OF ENGINEERING**

(NBA, NAAC 'A' Grade, HACT-Accredited)

ISO 9001-2008 Certified Institution)

#14, Ramohalli, Mysore Road,

Kumbalagodu, Bengaluru-560074.

Phone: +91-80-28437512, +91-80-28437375

Fax: + 91-80-28437373, [www.rrce.org](http://www.rrce.org)



## **REGISTRATION FORM**

Name: \_\_\_\_\_

Designation: \_\_\_\_\_

Organization: \_\_\_\_\_

Address: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

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

E-mail: \_\_\_\_\_

I interested to participate ☐ please (✓)

## **ADDRESS FOR CORRESPONDENCE:**

Dr. Yeshowath  
Professor, Dept. of Mech. Engg.

### **MAIN COORDINATORS:**

Mrs. Pushpa C  
Instructor, Dept. of Mech. Engg.

Ms. Sahana M  
Instructor Dept. of Mech. Engg.

### **EMAIL CORRESPONDENCE:**

[mehrrce@gmail.com](mailto:mehrrce@gmail.com)

### **WEBSITE VISIT:**

[www.rrce.org](http://www.rrce.org)

Association of  
Mechanical Engineering

## **PATRONS:**

Dr. T. R. Gopala Krishna Nair  
Rector, RR Group of Institutions

## **ORGANIZING COMMITTEE:**

### **CHAIRMAN:**

Dr. Balakrishna  
Principal, RRCE

### **ORGANIZING SECRETARY:**

Dr. Yeshowath  
Head, Dept. of Mech. Engg.

### **CO-ORDINATORS:**

Mr. Raghunath K L  
Mr. Krishnamurthy M  
Mr. Ravi K  
Mr. Sathishkumar G  
Mrs. Pushpa C  
Mr. Shashikiran S  
Ms. Sahana M T  
Mr. Arjun H S  
Mr. Abhishekgoeda S D

## **CHIEF PATRONS:**

Dr. A. C. Shanmugham  
Chairman, RR Group of Institutions

Sri. A. C. S. Arun Kumar  
Vice-Chairman, RR Group of Institutions

Date:

Place:

Signature of the Participant



**RAJARAJESWARI COLLEGE OF ENGINEERING**  
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#14, Ramohalli Cross, Kumbalagodu, Mysore Road, Bengaluru-560074.  
Phone: +91-80-28437124, +91-28437375, Fax: +91-80-2843 7373, [www.rrce.org](http://www.rrce.org)

## **DEPARTMENT OF MECHANICAL ENGINEERING**


### **3 Days Staff Development Program on “Computer Aided Engineering Drawing” 16<sup>th</sup> to 18<sup>th</sup> May 2018**

#### Program Report

On day 1 Significance of Engineering drawing, BIS Conventions of Engineering Drawing, Free hand sketching of engineering drawing, Scales. Introduction to Computer Aided Drafting software, Co-ordinate system and reference planes HP, VP, RPP & LPP of 2D/3D environment. Selection of drawing sheet size and scale. Commands and creation of Lines, coordinate points, axes, polylines, square, rectangle, polygons, splines, circles, ellipse, text, move, copy, off-set, mirror, rotate, trim, extend, break, chamfer, fillet and curves.

On day 2 Introduction to Orthographic projections, Orthographic projections of points in all the quadrants. Orthographic projections of lines. (Placed in First quadrant only) Orthographic projections of planes viz triangle, square, rectangle, pentagon, hexagon and circular laminae.

On day 3 Development of lateral surfaces of right regular prisms, cylinders, pyramids, and cones resting with base on HP only. Development of their frustums and truncations. Problems on applications of development of lateral surfaces like, funnels and trays.

  
Professor & Head  
Dept. of Mechanical Engineering  
RAJARAJESWARI COLLEGE OF  
ENGINEERING  
Kumbalagodu, Mysore Road  
Bengaluru - 560074



## **RAJARAJESWARI COLLEGE OF ENGINEERING**

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### **DEPARTMENT OF MECHANICAL ENGINEERING**

**3 Days Staff Development Program on**  
**“Computer Aided Engineering Drawing”**  
**16<sup>th</sup> to 18<sup>th</sup> May 2018**

Sl. No.	Topic	Resource Person	Date & Time
	Inauguration and Welcome 9:00 to 10:15 AM		
1	Introduction	Dr. R. Shankara Reddy HoD – ME, RRCE.	16 <sup>th</sup> may 2018 10:30 to 12:30
2	Projections of Points & lines		16 <sup>th</sup> may 2018 2:00 to 3:30
3	Projections of planes & Hands on session		17 <sup>th</sup> may 2018 9:30 to 11:30
4	Projections of solids & Hands on session		17 may 2018 1:00 to 4:00
5	Isometric & Development & Hands on session		18 <sup>th</sup> may 2018 9:30 to 12:00
	Valedictory and feedback session 3:00 to 3:30		



# RAJARAJESWARI COLLEGE OF ENGINEERING

Under the auspices of the Moogambigai Charitable and Educational Trust

(Affiliated to the Visvesvaraya Technological University, Belgaum)

(Recognized by the AICTE, New Delhi)

#14, Ramohalli Cross, Kumbalagodu, Mysore Road, Bengaluru-560074.

Phone: +91-80-28437124, +91-28437375, Fax: +91-80-2843 7373, [www.rrce.org](http://www.rrce.org)



## DEPARTMENT OF MECHANICAL ENGINEERING

### 3 Days Staff Development Program on

### “Computer Aided Engineering Drawing”

16<sup>th</sup> to 18<sup>th</sup> May 2018

#### Attendance

Sl. No.	Name	Day 1	Day 2	Day 3
1	Mr. Raghunath K L	R	R	R
2	Mr. Ravi K	R	R	R
3	Mr. Krishnamurthy M	K	K	K
4	Mr. Sathishkumar G	S	S	S
5	Ms. Pushpa C	P	P	P
6	Mrs. Sahana MT	S	S	S
7	Mr. Shashikiran S	S	S	S
8	Mr. Arjun H S	A	A	A
9	Mr. Abhishek gowda D	A	A	A

HoD- ME





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## DEPARTMENT OF MECHANICAL ENGINEERING

### 3 Days Staff Development Program on

### "Computer Aided Engineering Drawing"

#### Feedback

Sl. No.	Question	5	4	3	2	1
1	How do you rate the quality of objectives that were defined in the SDP	✓	✓			
2	Rate the sessions in SDP that met your expectations		✓	✓		
3	Rate the content relevance that were delivered	✓	✓			
4	Rate the understanding of the topics by the speaker		✓	✓		
5	Rate the stay during SDP at RRCE		✓			

Any Suggestions:

SDP was a Good program i have learnt so many  
useful things it was Good program it useful to learn  
some extra knowledge and i have learnt new things  
from SDP program totally SDP program was Good

# RAJARAJESWARI COLLEGE OF ENGINEERING

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Criterion:FDP

Academic Year:2017-2018

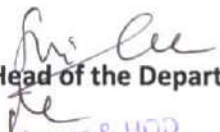


## DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Circular

Date: 01/06/2018

All the faculty are hereby informed that the EEE department is organizing a faculty development program on **“Microcontroller and Embedded Systems”** from 4<sup>th</sup> June to 8<sup>th</sup> June 2018. All the faculty members are encouraged to attend the program.

  
**Head of the Department**  
Professor & HOD  
Dept. of Electrical & Electronics Engg.  
Rajarajeswari College Of Engineering  
Bengaluru-74

**Chief Patron**

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Executive Director, RajaRajeswari Group  
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Special Officer ,RajaRajeswari Group of Institutions,  
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CEO,RajaRajeswari Group of Institutions, Bengaluru

**Dr. Gopalakrishna Nair** Rector,RajaRajeswari  
Group of Institutions,Bengaluru

**Chairman**

**Dr. Balakrishna R**  
Principal,RRCE

**Co Chairman**

**Prof.Prabhakar.M**

First Year Coordinator, RRCE

**Organizing Secretary**

**Dr.Arunachalam M,**

Head of the Department,

Dept.of Electrical and Electronics Engineering RRCE

**ORGANIZINGCOMMITTEE****Coordinators**

1. Prof.Sincy Elizabeth kuruvila
  2. Prof.Nandini N
- All Staff members of EEE Dept.

**Address for communication****Coordinators**

1. Prof. Sincy Elizabeth Kuruvila  
(9886246348)sincyirce@gmail.com
2. Prof. Nandini M  
(7204501818)nandinirce@gmail.com

### Five days FDP on "Micro controller and Embedded Systems"

Department of Electrical and Electronics Engg.  
RajaRajeswari College of Engineering  
Kumbalagodu, Mysore road, Bengaluru  
560074

**Resource Persons**

**Prof. Arul Jose**

(Associate Professor SCADE college of  
Engineering and Technology)

**Prof. Pavan Kumar**

(Assistant Professor, EE department, RRCE)



### Five Days FDP on "Micro Controller and Embedded Systems"

**On**

**04<sup>th</sup> June-08<sup>th</sup> June,2018**  
(10.00 am to 4 pm)

**Organized by**

**Department of Electrical & Electronics  
Engineering**



**RAJARAJESWARI COLLEGE OF  
ENGINEERING (RRCE)**

(Approved by AICTE, New Delhi)

ACCREDITED BY NAAC, 'A' Grade and NBA

(EEE,ECE,ME,CSE)

ISO9001:2008

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560074 KARNATAKA, INDIA,

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Academic Year: 2017-2018




## DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING Faculty Development program on "Microcontroller and Embedded Systems"

### Program schedule:

Date	10.00 AM to 1.00 AM	1.00 to 2.00PM	2.00 PM to 4.00 PM
04/06/18	Session 1: Inauguration and Keynote Address	Lunch	Session 2: Introduction to ARM Architecture and Instruction Set
05/06/18	Session 3: Assembly programming using Keil	Lunch	Session 4: Introduction to LPC21xx microcontrollers
06/06/18	Session 5: Programming with Keil and Proteus peripheral and interfaces ( LED, LCD, 7-Segment, UART, Timer, ADC, DAC)	Lunch	Session 6: Programming with Keil and Proteus for interfaces –contd
07/06/18	Session 7: program using ARM7TDMI/LPC2148	Lunch	Session 8: Laboratory hands on
08/06/18	Session 9: Laboratory hands on	Lunch	Session 10: Participant-Performance Evaluation, Feedback and Valedictory Function

  
Program coordinator

  
HOD  
Professor of EEE  
Rajarajeswari College of Engineering  
Bengaluru-74

#14, Ramohalli Cross, Kumbalodu, Mysore Road, Bengaluru-74

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Criterion: FDP

Academic Year: 2017-2018



## DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING Faculty Development program on "Microcontroller and Embedded Systems"

### Attendance Sheet

Sl.No.	Name of the Faculty	Day1 04/06/18	Day 2 05/06/18	Day 3 06/06/18	Day 4 07/06/18	Day 5 08/06/18
1	Dr. M. Arunachalam	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
2	Prof. Praveen A Patil	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
3	Prof. Avinash C M	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
4	Prof Vidyashree	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
5	Prof. Shivalingaiah K L	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
6	Dr. Saravanan N	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
7	Prof. Bharathi V	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
8	Prof. Nandini. N	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
9	Prof. Rashmi J V	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
10	Prof. Sincy Elezebeth Kuruvilla	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
11	Prof Chandrasekar	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
12	Prof Das	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>

*[Signature]*  
Program coordinator

*[Signature]*  
HOD

Dept. of Electrical and Electronic Engrg.  
Rajarajeswari College Of Engineering  
Bengaluru-74



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**DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING**  
**Faculty Development program on "Microcontroller and Embedded Systems"**  
**Program Report**

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**Date: 12/06/18**

**Duration: 5 days**

**No. of Participants: 12**

**Report:**

The FDP aims at exposing the participants to an advanced world of microcontrollers. This will help them correlate with the advances in the embedded systems. Earlier embedded systems were based on 8 bit microcontrollers but currently embedded designs have become very complex. Therefore there is a need to learn the advanced microcontrollers and their applications. The FDP is also intended in developing basic programming skills for building microcontroller applications. The FDP will cover Microcontrollers from Intel, Texas Instruments, Microchip, ARM, DSP and many more.

**Program objectives:**

This FDP (18CSL48) will enable us to:

- Develop and test Program using ARM7TDMI/LPC2148
- Conduct the experiments on an ARM7TDMI/LPC2148 evaluation board using evaluation version of Embedded 'C' & Keil Uvision-4 tool/compiler.
- To gain experience in programming languages that are used in current industrial practice.
- To promote innovative projects and patent them for commercialization.

**Laboratory hands-on Outcomes:**

Should be able to:

- Develop and test program using ARM7TDMI/LPC2148
- Conduct the various experiments on ARM7TDMI/LPC2148 evaluation board using evaluation version of Embedded 'C' & Keil Uvision-4 tool/compiler

**Program outcomes:**

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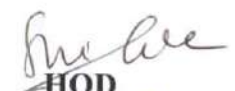
Academic Year: 2017-2018



After attending this FDP faculties will be able to:

- Review the basic concepts of various Microcontroller
- Design embedded system applications using advanced microcontrollers.
- Practice the Compilers, debuggers, simulators & IDE.
- Apply Software and Hardware concepts of Microcontroller Interfacing and PORT Programming.
- Practical sessions.

  
**Program coordinator**

  
**HOD**  
Professor & HOD  
Dept. of Electrical & Electronics Engg.  
Rajarajeswari College Of Engineering  
Bengaluru-74



DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING  
Faculty Development program on "Microcontroller and Embedded Systems"  
Feedback form

1. The level of the FDP was.

- ☒ a. Excellent
- b. Very good
- c. Good
- d. Poor
- e. Very poor

2. FDP for the current scenario is it useful.

- ☒ a. strongly agree
- ☒ b. agree
- c. disagree
- d. Strongly disagree

3. The course content met with your expectations

- ☒ a. Excellent
- b. Very good
- c. Good
- d. Poor
- e. Very poor

4. The level of the course was

- a. High
- ☒ b. Too high
- c. Low
- d. Too low

5. The teaching aids were effectively used

- ☒ a. strongly agree
- b. agree
- c. disagree
- d. Strongly disagree





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## Department of Electrical & Electronics Engineering Certificate

(04<sup>th</sup> – 08<sup>th</sup> JUNE, 2018)

This is to certify that Dr./Mr./Mrs./Ms BHARATHI V of EEE Dept has successfully completed five days training program on "Micro controller and Embedded Systems" during 04<sup>th</sup> June to 08<sup>th</sup> June 2018 in association with the department of Electrical & Electronics Engineering.

HOD

Dr. M Arunachalam

Principal

Dr. R Balakrishna



Moogambigai Charitable and Educational Trust

# RajaRajeswari College of Engineering

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## Department of Electrical & Electronics Engineering Certificate

(04<sup>th</sup> – 08<sup>th</sup> JUNE, 2018)

This is to certify that Dr./Mr./Mrs./Ms NANDINI N of EEE Dept. has successfully completed five days training program on “Micro controller and Embedded Systems” during 04<sup>th</sup> June to 08<sup>th</sup> June 2018 in association with the department of Electrical & Electronics Engineering.

HOD

Dr. M Arunachalam

Principal

Dr. R Balakrishna





Moogambigai Charitable and Educational Trust

# RajaRajeswari College of Engineering

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## Department of Electrical & Electronics Engineering Certificate

(04<sup>th</sup> – 08<sup>th</sup> JUNE, 2018)

This is to certify that Dr./Mr./Mrs./Ms Pavan Kumar. K.R. of RRIE has successfully completed five days training program on “Micro controller and Embedded Systems” during 04<sup>th</sup> June to 08<sup>th</sup> June 2018 in association with the department of Electrical & Electronics Engineering.

  
HOD

Dr. M Arunachalam

  
Principal

Dr. R Balakrishna



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**RajaRajeswari College of Engineering**

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**Department of Electrical & Electronics Engineering**  
**Certificate**

**(04<sup>th</sup> – 08<sup>th</sup> JUNE, 2018)**



This is to certify that Dr./Mr./Mrs./Ms Bharathi V of RRCE has successfully completed five days training program on “Micro controller and Embedded Systems” during 04<sup>th</sup> June to 08<sup>th</sup> June 2018 in association with the department of Electrical & Electronics Engineering.

HOD

Dr. M Arunachalam

Principal

Dr. R Balakrishna