**PARTITION AND ACCURATE AND ACCURATION** 

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



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### DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Circular

Date: 02/07/2020

All the Lab instructors are hereby informed that the EEE department is organizing a staff development program on "Basic Electrical and Electronics Lab" from 6<sup>th</sup>July to 10<sup>th</sup> July 2018. All the fLab instructors are encouraged to attend the program.

Head of the Department

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

#### ChiefPatron

Dr.A.C.Shanmugam.B.A.L.L.B.FIMSA,FRCPS(Glasgow,U.K)
Chairman,RajaRajeswariGroupofInstititions, Bengaluru

#### Patrons

Sri.A.C.S.ArunKumars.Tech(Hons).,LMISTE.,MIET.,(UK).,LMCSI., ViceChairman,RajaRajeswariGroupof Institutions Bengaluru

### Dr. Vijayanand S.

M.Tech,Ph.D

ExecutiveDirector, RajaRajeswariGroupof Institutions, Bengaluru

### Sri. S. Jayabalan

SpecialOfficer, RajaRajeswariGroupof Institutions, Bengaluru

#### Sri. .Seetharam(RetdIAS Officer)

CEO, Raja Rajeswari Group of Institutions, Bengaluru

### Dr. Gopalakrishna

NairRector, Raja Rajeswari Group of Institutions, Benga luru

#### Chairman

Dr. T. Chandrashekar

Principal, RRCE

Organizing Secretary

### Dr.Amuthan N.,

HeadoftheDepartment,

Dept.of Electrical and Electronics Engineering RRCE
ORGANIZINGCOMMITTEE

#### Coordinators

- Prof.Kiruthika K.
- Prof.Nandini N AllStaffmembersofEEEDept.

### Addressforcommunication

#### Coordinators

- 1. Prof. Kiruthika K. (797585376) kiruthik@gmail.com
- Prof. Nandini M.(7204501818)nandinirrce@gmail.com

### Five days SDPon "Basic Electrical and Electronics Lab"

DepartmentofElectricalandElectronics Engg. RajaRajeswariCollegeofEngineeringKumba lagodu, Mysore road, Bengaluru 560074

### Resource Persons

Prof.SincyElezebethKuruvila (Assistant Professor, EE department, RRCE)

### Prof.Bharathi V.

(Assistant Professor, EE department, RRCE)







Five days SDP on "Basic Electrical Electronics Lab"

> On 06"July-10<sup>th</sup>July,2020 (10.00 am to 4 pm)

Organizedby

DepartmentofElectrical&Electronics Engineering



### RAJARAJESWARICOLLEGEOI ENGINEERING (RRCE)

(ApprovedbyAlCTE,NewDelhi )
ACCREDITATED BY NAAC , 'A' Grade and NBA

(EEE,ECE,ME,CSE)
ISO9001:2008
#14, RAMOHALLI CROSS,
KUMBALAGODUMYSORE ROAD, BENGALURU-

560074KARNATAKA,INDIA, Fax:+91-80-28437373, Ph:080-28437124,080-28437375,080-6566

Website: www.rrce.org

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Affiliated to the Visvesvaraya Technological University, Belagavi





## DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING Staff Development program on "Basic Electrical and Electronics Engineering Lab" REPORT

Date:13/07/20

Duration:5 days

No. of Participants: 4

### Report:

The SDP aims at exposing the participants to get the basic knowledge on Electrical and Electronics Laboratories. Prof. SincyElezebethKuruvila and Prof. Bharathi V. were the resource persons. They were discussed the regarding the basic labs as well as conducted hands on training.

### Program objectives:

The objective of Basic electrical and electronics engineering laboratory is to learn the practical experience with operation and applications electromechanical energy conversion devices such as DC machines, transformers, three phase induction motors and alternators. It also aims to get the knowledge of the different electronic devices like diodes, rectifiers, transistors and how these devices are used in real time applications. It also makes to learn how to measure the electrical quantities with different measuring devices and with CRO. Hands on training on Electrical wringing, connections with bread board and spring board and electric machines also conducted.

### Program outcomes:

- 1. Understand the operation and applications of electromechanical energy conversion devices
- 2. Understand identification and selection of various electrical and electronic components.
- Analyze the characteristics of various electronics components.

Program coordinator

HOD

The St Liecture & Electromes Foggerajarajeswari College Of Engineering
Bengaluru-74

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

https://www.rrce.org

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## DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING Staff Development program on "Basic Electrical and Electronics Engineering Lab"

### Program schedule:

Date	10.00 AM to 1.00 AM	1.00 to 2.00PM	2.00 PM to 4.00 PM
06/07/20	Session 1: Inauguration and Keynote Address	Lunch	Session 2: DC machines ,AC machines understanding
07/07/20	Session 3: Electronic devices identification understanding	Lunch	Session 4: Basic circuits connections
08/07/20	Session 5: Connection with bread board ,string board	Lunch	Session 6: Hands on session on electric ciruits
09/07/20	Session 7: Hands on session on machine lab	Lunch	Session 8: Hands on session on bread board
10/07/20	Session 9: Hands on session on string board	Lunch	Session 10: Participant-Performance Evaluation, Feedback and Valedictory Function

Program coordinator

HOD

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

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Affiliated to the Visvesvaraya Technological University, Belagavi





## DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING Staff Development program on "Basic Electrical and Electronics Engineering Lab"

### Attendance Sheet

Sl.No.	Name of the Staff	Day1 06/07/20	Day 2 07/07/20	Day 3 08/07/20	Day 4 09/07/20	Day 5 10/07/20
1	Mr. Dhananjay Kumar H. U.	(Ju)	qu)	(A)	P	94
2	Mr. ArunRakshith	AS	M	N	RO	A
3	Mr. Ravikumar T.	Rouri.	Rome	Ravi .	Rouri.	Romi.
4	Mr. Narendra Babu K. A.	MAR	ANDE	NOW	ANTO	MB

Program coordinator

HOD M

Bengaluru-74

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riterion:SDPAcademic Year:2020-2021



## DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING Staff Development program on "Basic Electrical and Electronics Engineering Lab" Feedback form

- 1. The level of the SDP was.
  - a. Excellent
    - b. Very good
    - c. Good
    - d. Poor
    - e. Very poor
- 2. SDP 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

Affiliated to VTU, Belgana, Approved by AICET, New Della

@14,Ramohelii Cross, Knightag









Department of Electrical & Electronics Engineering

(06<sup>th</sup> - 10<sup>th</sup> JULY,2020)

This is to certify that Mr./Mrs./Ms.

\*\*Note that Mr./Mrs./Ms.

\*\*Successfully completed five days Staff Development program on \*\*\* \*\*Lectronics Lab" during of \*\* July to 10th July 2 2 3 \*\* Sociation \*\*\*

\*\*Lectronics Lab" during of \*\* Lectronics Engineering\*\*

\*\*Lectronics Engineering\*\*

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Dist.Cl



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

Criterion: 6.33 Academic Year: 2020-21



Date: 13.07.20

### Circular

All the faculty are hereby informed that the Mathematics department is organizing a faculty development program from 20.07.20 to 24.07.20. 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 & Com munications). 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 & 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 20/7/20-24/7/20 (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

Discrete Mathematical
Structure
On
20.07.20 – 24.07.20



# Organized By Department of Mathematics RAJARAJESWARI COLLEGE OF ENGINEERING

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

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

### **DEPARTMENT OF MATHEMATICS**

## Five Days Faculty Development Program Sampling Theory and its Application

Date	10.00am to 1.00pm	1.00pm to 2.00pm	2.00pm to 4.00pm
20.07.2020	Session1: Random Variables	Lunch	Session2: Sampling Space
21.07.2020	Session3: Distributions	Lunch	Session4: Students t Distributions
22.07.2020	Session5: Chy square Distributions	Lunch	Session6: Chy square Goodness of Fit
23.07.2020	Session7: Hypothesis	Lunch	Session8: Type 1 Error
24.07.2020	Session9: Type 2 Error	Lunch	Session10: Applications

Program Coordinator





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DEPARTMENT OF MATHEMATICS

### <u>CERTIFICATE</u>

This is to certify that Dr/ Prof. LOKANADHAM: M
of
from $20^{th}$ to $24^{th}$ July 2020.

Dr. A.S. Hariprasad

Professor & Head, Dept of Mathematics

J. day





#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. MATHSDept.
of	te Mathematical Structure"
from $20^{th}$ to $24^{th}$ July 2020.	

Dr. A.S. Hariprasad

Professor & Head, Dept of Mathematics

J. old





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DEPARTMENT OF MATHEMATICS

### <u>CERTIFICATE</u>

This is to certify that Dr/ Prof. RAVEENDR-N
of
from $20^{th}$ to $24^{th}$ July 2020.

Dr. A.S. Hariprasad

Professor & Head, Dept of Mathematics

J.ad





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DEPARTMENT OF MATHEMATICS

### <u>CERTIFICATE</u>

This is to certify that Dr/ Prof. ANITHA. B.S	of MATHS Dept.
ofR.C.E, has attended 5 Days FDP on "Discrete Math	ematical Structure"
from $20^{th}$ to $24^{th}$ July 2020.	

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

700





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### DEPARTMENT OF MATHEMATICS

### **CERTIFICATE**

This is to certify that	Dr/ ProfSA.V.I.T.HA:	3of. MATHS Dept.
ofR.R.C.E	, has attended 5 Days FDP on	"Discrete Mathematical Structure"
from $20^{th}$ to $24^{th}$ July 2020.		

Dr. A.S. Hariprasad

Professor & Head, Dept of Mathematics

J old





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### DEPARTMENT OF MATHEMATICS

### <u>CERTIFICATE</u>

This is to certify that Dr/ Prof. A.S. HARIPRASAD. of MATHS. D	ept.
ofk.k.c.E, has attended 5 Days FDP on "Discrete Mathematical Structu	ıre"
from $20^{th}$ to $24^{th}$ July 2020.	

Dr. A.S. Hariprasad

Professor & Head, Dept of Mathematics

J. O. d.

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

Criterion:FDP

Academic Year:2020-2021



## DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING Faculty Development program on "Applications of AI and ML in Power and Electronics" Program Report

Circular

Date: 01/08/2020

All the faculty are hereby informed that the EEE department is organizing a faculty development program on "Applications of AI and ML in Power and Electronics" from 02 <sup>nd</sup> August to 06<sup>th</sup> August 2020. All the faculty members are encouraged to attend the program.

Head of the Department

#### Chief Patron

Dr.A.C.Shanmugam.B.A.L.LB,FIMSA,FRCPS(Glasgow,U.K)
Chairman,RajaRajeswariGroupofInstititions, Bengaluru

#### **Patrons**

Sri.A.C.S.ArunKumar, B. Tech (Hons), LMISTE, MIET., (UK), LMCSI. ViceChairman, RajaRajeswari Group of Instituutions Bengaluru

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

ExecutiveDirector, RRGI

Sri. S. Jayabalan

SpecialOfficer, Raja Rajeswari Group of Institutions, Bengaluru

Sri.Seetharam(RetdIAS Officer)

CEO, Raja Rajeswari Group of Institutions, Bengaluru

Dr. Gopalakrishna

NairRector,RajaRajeswariGroupofInstitutions,Benga luru

Chairman

**Dr. Chandrasekhar T** Principal,RRCE

Co-Chairman

Dr, Balakrishna R Dean, RRCE

Organizing Secretary

Dr.SaravananN,

HeadoftheDepartment,

Dept.of Electrical and Electronics Engineering RRCE
ORGANIZING COMMUTEE

Coordinators

- 1. Prof.Avinash C M
- 2. Prof.Nandini N
  All Staff members of EEE Dept.

### **Address for communication**

#### Coordinators

- Prof. Avinash C M(9740369481)avinashcm@rrce.org
- 2. Prof. Nandini N (7204501818)nandinin@rrce.org

"Applications of AI and ML in Power and Electronics Engineering Challenges"

DepartmentofElectricalandElectronics
Engineering
RajaRajeswariCollegeofEngineeringKumba
lagodu, Mysore road, Bengaluru-560074

Resource Persons

Dr. I. Jeena Jacob,
Associate Professor, CSE Department
GITAM University, Bengaluru Campus

Dr. A. Vegi Fernando,

Associate Professor, CSE Department SCAD College of Engg& Tech., Tirunelveli







### Five Days FDP on "Application of AI and ML in Power Engineering &Challenges"

On

02 /08/2020 to 06 /08/2020 (10 am to 4 pm) Organized by

Department of Electrical & Electron Engineering



### RAJARAJESWARICOLLEGEOF ENGINEERING (RRCE)

(ApprovedbyA!CTE,NewDelhi )
ACCREDITATED BY NAAC . 'A' Grade and NBA

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#14, RAMOHALLI CROSS,
KUMBALAGODUMYSORE ROAD, BENGALURU560074KARNATAKA,INDIA,
Fax:+91-80-28437373,
Ph:080-28437124,080-28437375,080-65666769
Website:www.rrce.org

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Criterion:FDP

Academic Year: 2020-2021



## DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING Faculty Development program on "Applications of AI and ML in Power and Electronics" Program Report

### 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 2.00PM	2.00 PM to 4.00 PM
02/08/20	Session 1: Reg. & Inauguration	Tea	Session 2: Introduction AI &ML	Lunch	Session 3: Hands on session on Application of ML/RL in Power Systems Simulations
03/08/20	Session 4: Medical Image segmentation	Tea	Session 5: classification using deep learning	Lunch	Session 6: Hands on session on AI on Edge
04/08/20	Session 7: Prospects of AI/ML in Wireless Communication/ Green Communication	Tea	Session 8: Applications of Al and ML for power system protection	Lunch	Session 9: Applications of AI and ML in micro grid integrated with renewable energy systems
05/08/20	Session 10: NEP scheme	Tea	Session 11: NEP structure	Lunch	Session 12: Understanding AI data science and application in power system
06/08/20	Session 13: Prospects of AI/ML in signal processing	Tea	Session 14: Hands-on- session on Power Converters in AI & ML	Lunch	Session 15: Valedictory

Program coordinator

MOD

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Criterion:FDP

Academic Year:2020-2021



### DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

### Faculty Development program on "Applications of AI and ML in Power and Electronics"

### **Attendance Sheet**

Sl.No.	Name of the Faculty	Day1 02/08/20	Day 2 03/08/20	Day 3 04/08/20	Day 4 05/08/20	Day 5 06/08/20
1	Dr. Saravanan N	Samaran	Someras	\au_au_au	Sararan	06/08/20 Savarara
2	Prof. Shivalingaiah K L	aule	ail	air	we	Ev e
3	Prof.Pavan Kumar K R	R	2	R	R	R
4	Prof.Bharathi V	B.K.	TEXT:	JESTE	Bote	THE
5	Prof.Nandini.N	Al	AV	AN	AV/	Do
7	Prof.SincyElezebeth Kuruvilla	reso (h)	Leve III	See Chi	Tes GD	De Cho
8	Prof .Purtha G	The	Sh	Sh.	Ja	St.
10	Prof. Kiruthika K	- Comment	0=	Que o	00	Bo
11	Prof. Avinash C M	the	No.	A	A	A
12	Prof .Udhyami M B	Oaly.	odhy.	why.	celly	odly .

Program coordinator

girle-

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

Criterion: FDP

Academic Year:2020-2021



## DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING Faculty Development program on "Applications of AI and ML in Power and Electronics" Program Report

Date:09/08/20

**Duration:5 days** 

No. of Participants: 12

### Report:

The participants will be introduced to fundamentals of AI & ML. Power Systems is an emerging field for AI and ML. Because Power Systems are so complex and interconnected, virtually any method could find application.

Electronic device manufactures can use AI to create smarter devices and maximize their functionalities. For example, AI-powered TVs can help to automate on/off settings, volume, picture mode and several other key parameters to ensure that viewers can operate the TV easily.

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 explore the recent developments in the field of AI/ML.
- To enhance the knowledge of AI, ML and their applications to meet the challenges in Power and Electronics engineering.
- To integrate academic experts, researchers and industry leaders to share their expertise with the participants in respect of AI and ML.
- To provide practical exposure on AI and ML in power and Electronics engineering.

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Criterion:FDP

Academic Year:2020-2021



### Program outcomes:

- 1. Understand fundamentals of Al & ML 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.

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Criterion:FDP

Academic Year: 2020-2021



## DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING Feedback form-Faculty Development program on "Applications of AI and ML in Power and Electronics"

- 1. The level of the FDP was.
  - a. Excellent
  - も. 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 Excellent
  - a. Very good
  - b. Good
  - c. Poor
  - d. 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
  - 6. agree
  - c. disagree
  - d. Strongly disagree



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

(02<sup>nd</sup> - 06<sup>th</sup> August,2020)

This is to certify that Dr./Mr./Mrs./Ms.	PRUTHA G	of
EEE Dept.	has successfully com	pleted five
days workshop on "Applications of AI and ML	in Power Engineering and	d Challenges"
during 02ndAugust to 06th August 2020 in as	ssociation with the dep	partment of
Electrical & Electronics Engineering.		ad
		Co

Savaranan

Dr. N Saravanan

Principal Dr. T Chandrashekar



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

(02<sup>nd</sup> - 06<sup>th</sup> August,2020)

This	is	to	certify	that	Dr./Mr.	/Mrs./	VIs.
						I TAME COL T	TAUL

Vdhyani MB

of

EEE Dept.

has successfully completed five

days workshop on "Applications of AI and ML in Power Engineering and Challenges" during 02<sup>nd</sup>August to 06<sup>th</sup> August 2020 in association with the department of Electrical & Electronics Engineering.

Saravanar. HOD

Dr. N Saravanan

Principal

Dr. T Chandrashekar





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

### DEPARTMENT OF CIVIL ENGINEERING

### Circular

Date: 3/9/2020

All the faculty are hereby informed that the CIVIL ENGINEERING department is organizing a faculty development program on "Sustainable Development in Civil Engineering" from 7-9-2020 to 11-9-2020. All the faculty members are encouraged to attend the program.

Head of the Department

Department of Civil Engineering
RAJARAJESWARI COLLEGE OF ENGINEERICAL
Bengaluru-74

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

https://www.rrce.org

Ramohalli Cross, Kumbalgodu, Bangalore Department of Civil Engineering



### **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,RRGI

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

### Co Patrons

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

Dr. Chandrashekar T Principal,RRCE

Convener
Dr. V Ramesh
Professor and Head
Department of Civil Engineering

### INVITATION

FOR

Faculty Development Program

ON

"Sustainable Development in Civil Engineering"

### Inauguration

Date and Venue:

7/09/2020-11/9/2020 9.0 am – 10.0am Dr. Sir M Visvesvaraya Seminar hall

By

**Civil Engineering Department** 

Your's sincerely

Dr. V Ramesh Professor and Head Department of Civil Engineering

Department of Civil Engineering
RAJARAJESWARI COLLEGE OF ENGINGERING
Bengaluru-74

### 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.

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was established in the year 2006. It is an ISO 90002008 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 D i gitalElectronics & 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 CIVIL ENGINEERING

The Department of Civil Engineering was established in the academic year 2009-10 with an in take of 60. The intake has been raised to 120 from 2014. The Main Vision of the Department is to produce Civil Engineers with sound technical knowledge The Department has full-fledged, experienced and dedicated teaching faculty. The Department in having fully equipped laboratories with sophisticated instruments and offers consultancy and testing services in the field of Civil Engineering.

### FDP OBJECTIVES:

This FDP will help the faculty members to redefine their horizons in recent advancements in Civil Engineering which require sustainable infrastructure construction. It will also enhance better teaching ability with respect to sustainable development in Civil Engineering.

### DATE and VENUE

The FDP will be held on 7<sup>th</sup> Sep -11<sup>th</sup> Sep .

2020 (10:00am to 4:00 pm) at CVE Seminar hall,

RRCE, Bengaluru-560074.

### Participants:

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

### 5-DAY FDP ON

Sustainable Development in Civil Engineering

On 7th Sep -11th SEPTEMER2020



# 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.

Department of Carl Engineering

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#### DEPARTMENT OF CIVIL ENGINEERING

### 5 day Faculty Development program on "Sustainable Development in Civil Engineering"

### **Program Report**

Date:11/9/2020

**Duration: 5 Days** 

Target of participant: FACULTY

No. of Participants: 15

Program objectives: Faculty development program is planned with the following objectives.

To understand the problems associated with durability of special concrete and steel structures and discuss rehabilitation techniques

To enhance the serviceability and life of deteriorated structures with special reference to coastal areas.

To initiate linkages for strengthening research, awareness and provide experience to teaching and practicing engineers on producing sustainable structures.

### Program outcomes:

Examine the properties of common construction materials and understand the transition toward sustainable materials, along with their behaviors under different environments, short- or long-term.

Assess material properties, mechanical tests and quality control tests for, concrete, masonry, glass, plastics, iron and steel, paints and protective coatings, bituminous products, gypsum products, resilient flooring, and carpeting.

Appraise appropriateness and sustainability of materials for construction projects. Select the sustainable materials based on the international standard practices and certification. Explain about innovative sustainable construction materials and their uses in construction.

Head of the Department

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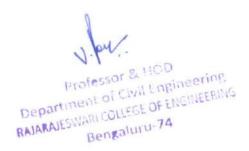


### DEPARTMENT OF CIVIL ENGINEERING

### 5 day Faculty Development program on "Sustainable Development in Civil Engineering"

### Event schedule

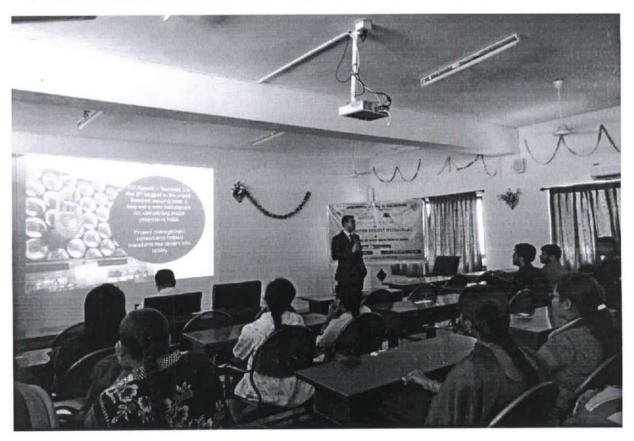
Date	10.00 AM to 1.00 AM	1.00 to 2.00PM	2.00 PM to 4.00 PM
07/09/2020	Session 1: Sustainable Practices in Infrastructure development Resource Person: Mr.Ajit Sabnis	Lunch	Session 2: Green buildings Resource Person: Mrs.anupama
08/09/2020	Session 3: Advances in Building Information Modelling Resource Person: Mrs.anupama	Lunch	Session 4: Operations and maintenance optimization Resource Person: Mr. SRIRAM
09/09/2020	Session 5: GIS in Civil Engineering Infrastructure Resource Person: Mr.Ajit Sabnis	Lunch	Session 6: Modeling and simulation of Transportation and Geotechnical systems Resource Person:Mr.ravikumar
10/09/2020	Session 7: Risk Analysis and Management of Hazards Resource Person:Mrs.babitha	Lunch	Session 8: Construction Safety and Quality Management Resource Person: Mr.Naveen
11/09/2020	Session 9: Sustainable construction materials Resource Person: Mr. SRIRAM	Lunch	Interactive session., Feedback and Valedictory Function





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Profession HOD

Department of Civil Engineering

RAJARAJESWARI COLLEGE OF ENGINEERING

Bengaluru-74

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

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### DEPARTMENT OF CIVIL ENGINEERING FEEDBACK FORM

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### DEPARTMENT OF CIVIL ENGINEERING

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Bengaluru-74



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### DEPARTMENT OF CIVIL ENGINEERING FEEDBACK FORM

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THANK YOU FOR YOUR FEEDBACK



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### DEPARTMENT OF CIVIL ENGINEERING FEEDBACK FORM

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THANK YOU FOR YOUR FEEDBACK Department of Civil Engine will

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

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RAJARAJESWARI COLLEGI, GREN SANG Bengaluru-7A



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### DEPARTMENT OF CIVIL ENGINEERING FEEDBACK FORM

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RAJA JESWAI COLLEGE

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## DEPARTMENT OF CIVIL ENGINEERING FEEDBACK FORM

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THANK YOU FOR YOUR FEEDBACK

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Department of CRUIT TO THE RAJARAJESWARI COLLEGE OF THE RAJAR

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



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K Professor & Se Department of July RAJARAJESVARI COLLEGI Bengaluru-74

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



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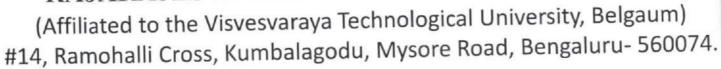
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#14, Ramohalli Cross, Kumbalgodu, Mysore Road, Bengaluru-74







# DEPARTMENT OF CIVIL ENGINEERING

# CERTIFICATE

This is to certify that	Mr/Ms/Dr/N	Irs	KA	MALA	KARA	G . G	₩ of
RRCE, B'lore has si	uccessfully	completed	the	5-DAY	FDP	ON	SUSTAINABLE
DEVELOPMENT IN CIVI	IL ENGINE	ERING from	7 <sup>th</sup> 7	TO 11 <sup>th</sup> S	EP 202	0.	

HOD Dr.V Ramesh J. old

Principal Dr. T.Chandrashekar





Approved by Aic en, new ment.
Affiliated to the Visvesvaraya Technological University, Belagavi Approved by AICTE, New Delhi.

# DEPARTMENT OF CIVIL ENGINEERING

## Circular

Date: 319/2020

All the Staff are hereby informed that the CIVIL ENGINEERING department is organizing a "Sustainable Development in Civil Engineering" from 12/10/2020 to 16/10/2020. All the Staff members are encouraged to attend the program. Staff development program on

> 祖籍虚拟研究 Doparis CONTRACTOR OF THE

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



Ramohalli Cross, Kumbalgodu, Bangalore Department of Civil Engineering



### 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,RRGI

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

#### Co Patrons

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

Dr. Chandrashekar T Principal,RRCE

Convener
Dr. V Ramesh
Professor and Head
Department of Civil Engineering

### INVITATION

FOR

Staff Development Program

ON

"Sustainable Development in Civil Engineering"

### Inauguration

Date and Venue:

12/10/2020-16/10/2020 9.0 am – 10.0am Dr. Sir M Visvesvaraya Seminar hall

Ву

**Civil Engineering Department** 

Your's sincerely

Dr. V Ramesh
Professor and Head
Department of Civil Engineering

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# OOGAMBIGAT CHARITABLE AND

Moogambiga Charitable and Educational Trust as established in the year 1992 with the sole pective of starting institutions of higher education of emplay stature in the state of Karnataka. In otherance of this objective the trust has been tablishing institutions of higher learning in the state esently the trust is fruming 07 institutions in arnataka and 192 inseparations in Tarul Nadu in the elds of Medical albertal Engineering and anagement Education.

## (ब),बर्ट्याइर्स्स्ट्रिस्ट्रिस्ट्रिस्<mark>स्ट्रिस्ट्रिस्ट्रिस्ट्रिस्ट्रिस्ट्रिस्ट्रिस्ट</mark>्रिस्ट्

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#### DEPARTMENT OF CIVIL ENGINEERING

The Department of Civil Engineering was established in the academic year 2009-10 with an intake of 60. The intake has been raised to 120 from 2014. The Main Vision of the Department is to produce Civil Engineers with sound technical knowledge. The Department has full-fleedged, experienced and dedicated Staff. The Department in having fully equipped laboratories with sonjusticated instruments, and coffers consultancy, and testing services in the field of Civil Engineering.

#### SDP OBJECTIVES:

This SDP will help the faculty members to receive their portions in precent advancements in CVIII.

For inserting which require sustainable intractions in CVIII.

For inserting if will have contained better reaching ability with respect to sustainable development in CVIII Engineering.

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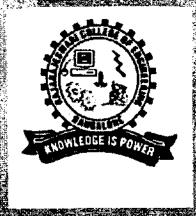
### Participants

Statt-syno are shandling (ervi) tenginesting subjects are invited to participate it the SDP.

#### 5-DAY SDP ON

Sustainable Development in Civil Engineering .

> On 12/10/2020 to 16/10/2020



Organized By

## Department of Civil Engineering

RAJARAJESWARI COLLEGE
OF ENGINEERING

(Affiliateour disvessorayas technological University, distribution of Coopuly 10 (whe distribution) (avec yellin)

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## REGISTRATION FORM 5-DAY FDP ON RECENT ADVANCES IN CIVIL ENGINEERING

. On 7th Sep-11 March , 2020

Designation \*\*\* Disalification:

Signature of the Participant

Registration fees: Nil

Limited seats are available. On first come first serve basis

All are cordially invited

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Registration is free

All communications may be made to

Dr. V Ramesh Organizing Secretary Head of the Department

Mobile : 9449995110

Department of Civil Engineering, RajaRajeswart College of Engineering, Kumbalgodu, Near Ramohelli Cross, Bangalore 560074. E-Mail: ersvinadan@gmail.com

Chief Patron

Institutions Bengaluru

Dr.A.C.Shanmugam.B.A.L.I.B.FIMSA,FRCP S(Glasgow, U.K) Chairman, RajaRajeswari Group of

Patrons \*\*

Sri A.C.S. Arun Kamar, B.Teta (Hons) IMISTE, MIET, UK) IMCSI. Vice Chairman, RajaRajeswark Group of Institutions, Bengaluru

Dr. Vilayanand S. M. Tech, Ph.D Executive Director, RajaRajeswari Groupof Institutions, Bengaluru

Sri.S. Jayabalan Special Officer, RajaRajeswart Group offissibitions, Bengaluru

Srl. Seetharam (Retd IAS Officer) CEO. RajaRajeswarr Group of institutions,

Chairman Dr. Chandrashekar. T

Principal, RRCE Co-Chairman

Dr. BalakrahanR is wie Dean RRCE

ORGANIZING COMMUNET

All Staff members of CVE Den



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#### DEPARTMENT OF CIVIL ENGINEERING

# 5 day Staff Development program on "Sustainable Development in Civil Engineering"

### Program Report

Date: 16/10/2020

**Duration: 5 Days** 

Target of participant: Staff

No. of Participants: 5

Program objectives: Staff development program is planned with the following objectives.

To understand the problems associated with durability of special concrete and steel structures and discuss rehabilitation techniques

To enhance the serviceability and life of deteriorated structures with special reference to coastal

To initiate linkages for strengthening research, awareness and provide experience to teaching and practicing engineers on producing sustainable structures.

### Program outcomes:

Examine the properties of common construction materials and understand the transition toward sustainable materials, along with their behaviors under different environments, short- or long-term.

Assess material properties, mechanical tests and quality control tests for, concrete, masonry, glass, plastics, iron and steel, paints and protective coatings, bituminous products, gypsum products, resilient flooring, and carpeting.

Appraise appropriateness and sustainability of materials for construction projects. Select the sustainable materials based on the international standard practices and certification. Explain about innovative sustainable construction materials and their uses in construction.

Head of the Department w

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



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Academic Year:

## DEPARTMENT OF CIVIL ENGINEERING

Staff Development program on "Sustainable Development in Civil Engineering"

### Attendance Sheet

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### FEEDBACK FORM -

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This survey enables you to provide feedback on the value and outcomes of the event you have just attended. [Insert appropriate questions relating to the event to inform your evaluation]

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
- 3. Resources provided at this event are relevant to you
- 4. You are likely to use these resources in the future
- 5. Presentations were interesting
- 6. You would recommend this event to others
- 7. There were opportunities to network with other stakeholders
- 8. Overall, the event was worthwhile
- 9. The venue was suitable
- 10. The venue was easy to get to
- 11. Refreshments were suitable
- 12. What are the two most useful things you got out of the event?
- 13. How could the event be improved?
- 14. Please identify any specific priority areas for you that could be the focus at future events.
- 15. Other comments

THANK YOU FOR YOUR FEEDBACK

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Excellent	Very good	Good	Satisfactory	Poor
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### FEEDBACK FORM -

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This survey enables you to provide feedback on	the value and	outcomes	of the e	vent you have	`
instantended. Hosert appropriate questions relating	to the event to	o inform :	your evai	uation	
Please indicate the extent to which you agree w	ith the followi	ng staten	nents		T 15
	Excellent	Very	Good	Satisfactory	Poor
1. Information provided at this event is	ļ	good			
relevant to you					<del>-</del>
2. You are likely to use this information in		<u></u>			<b></b>
the future		17	C	Satisfactory	Poor
	Excellent	Very good_	Good	Sanstactory	1 1001
3. Resources provided at this event are		good			† <u>-</u>
relevant to you		<del> </del>		<u></u>	- <del> </del>
4. You are likely to use these resources in	Name:		<u> </u>	<u>                                     </u>	
the future					
5. Presentations were interesting	Excellent	Very	Good	Satisfactory	Poor
6. You would recommend this event to		good			
others	V	1			
omers		~			<u> </u>
7. There were opportunities to network with	Excellent	Very	Good	Satisfactory	Poor
other stakeholders		good			. <b> </b>
	<u></u>		<u> </u>		
8. Overall, the event was worthwhile	Excellent	Very	Good	Satisfactory	Poor
		good			
9. The venue was suitable					
10. The venue was easy to get to		<u></u>			
11. Refreshments were suitable					
12. What are the two most useful things you got		\		· · · · · · · · · · · · · · · · · · ·	
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- 13. How could the event be improved?
- 14. Please identify any specific priority areas for you that could be the focus at future events.
- 15. Other comments

## THANK YOU FOR YOUR FEEDBACK



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



### DEPARTMENT OF CIVIL ENGINEERING

## 5 day Staff Development program on "Sustainable Development in Civil Engineering"

### Event schedule

Date	10.00 AM to 1.00 AM	1.00 to 2.00PM	2.00 PM to 4.00 PM
12/10/2020	Session 1:Sustainable Practices in Infrastructure development Resource Person: Mr.Ajit Sabnis	Lunch	Session 2: Green buildings Resource Person: Mrs.anupama
13/10/2020	Session 3: Advances in Building Information Modelling Resource Person: Mrs.anupama	Lunch	Session 4: Operations and maintenance optimization Resource Person Mr. SRIRAM
1-1-10-2020	Session 5: GIS in Civil Engineering Infrastructure Resource Person Mr.Ajit Sabnis	Lunch	Session 6: Modeling and simulation of Transportation and Geotechnical systems Resource Person:Mr.ravikumar
15/10/2020	Session 7: Risk Analysis and Management of Hazards Resource Person:Mrs.babitha	Lunch	Session 8: Construction Safety and Quality Management Resource Person: Mr. Naveen
16/10/2020	Session 9: Sustainable construction materials Resource Person: Mr. SRIRAM	Lunch	Interactive session., Feedback and Valedictory Function

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

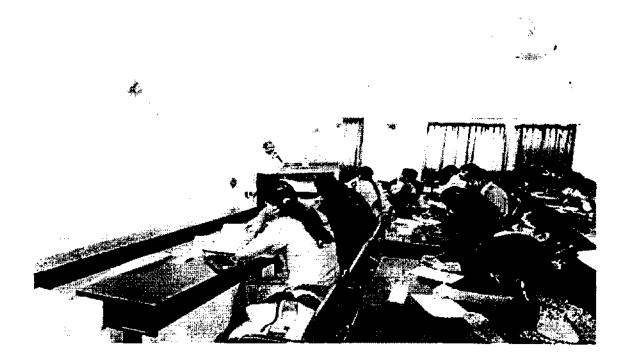
https://www.rrce.org

LOBBANCE CONTRACT



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https://www.rree.org

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(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 Mr/Ms/Dr/Mrs <u>HEMALATHA K P of RRCE BANGLORE</u> has successfully completed the 5-DAY SDP ON SUSTAINABLE DEVELOPMENT IN CIVIL ENGINEERING from 12/10/2020 to 16/10/2020.

HOD

Dr.V Ramesh

The second second

Principal Dr. T.Chandrashekar



Criterion: 6.3.3

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

Academic Year: 2020-21



Date: 20.10.20

#### Circular

All the faculty are hereby informed that the Mathematics department is organizing a faculty development program from 21.12.20 to 26.12.20. All the faculty members are encouraged to attend the program.

Head of the Department

# REGISTRATION FORM 5-DAY FDP ON

Numerical Method and its Applications

Oπ

21.12.20 to 26.12.20

1. Name
2. Designation
3. Department
4. Qualification
5. Institution
6Address
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

Mobile: 9880926382

#### Chief Patron

Institutions, Bengaluru

Dr.A.C.Shanmugam.B.A.L.L.B,FIMSA,FRCP S(Glasgow,U.K)
Chairman, RajaRajeswari Group of

**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 Groupof Institutions, Bengaluru

Sri. S. Jayabalan Special Officer, RajaRajeswari Group ofInstitutions, 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.

# 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 & Com m u n i c a t i o n s ). 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 & 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 21/12/20-26/12/20 (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
21.12.20 - 26.12.20



# Organized By Department of Mathematics RAJARAJESWARI COLLEGE OF ENGINEERING

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

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

## **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
21.12.2020	Session1: Finite Difference Methods	Lunch	Session2: Regula Falsi Method
22.12.2020	Session3: Newton Raphson Method	Lunch	Session4: Secant Method
23.12.2020	Session5: Bisection Method	Lunch	Session6: Newton's Forward and Backward Interpolation
24.12.2020	Session7: Lagranges's Interpolation	Lunch	Session8: Lagranges's Interpolation
26.12.2020	Session9: Newtons Divided Difference	Lunch	Session10: Newtons Divided Difference

Program Coordinator



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Criterion: 6.3.3

Academic Year: 2020-21

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

### **Attendance Sheet**

S.No.	Name of the Faculty	Day 1 21.12.20	Day 2 22.12.20	Day 3 23.12.20	Day 4 24.12.20	Day 5 26.12.20	Signature
1	Dr.A.S. Hariprasad	P	P	P	P	P	5
2	Dr. Savitha B	P	P	P	P	P	A
3	Dr. Anitha B.S.	P	P	P	P	P	A
4	Dr. Raveendra N	P	P	P	P	P	IPA
5	Shilpa R	P	P	P	P	P	9
6	Lokanadham	P	P	P	P	P	The .





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DEPARTMENT OF MATHEMATICS

## **CERTIFICATE**

This is to certify that Dr/ Prof. A. S. HARI PRASAD:
ofR.C.E, has attended 5 Days FDP on "Numerical Method and its
Applications" from 21st to 26 th December 2020

Dr. A.S. Hariprasad

Professor & Head, Dept of Mathematics

7.00





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DEPARTMENT OF MATHEMATICS

## **CERTIFICATE**

Dr. A.S. Hariprasad

Professor & Head, Dept of Mathematics

J. 04





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DEPARTMENT OF MATHEMATICS

## <u>CERTIFICATE</u>

Dr. A.S. Hariprasad

Professor & Head, Dept of Mathematics

J. 0d





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DEPARTMENT OF MATHEMATICS

## **CERTIFICATE**

Dr. A.S. Hariprasad

Professor & Head, Dept of Mathematics

J. old





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DEPARTMENT OF MATHEMATICS

## **CERTIFICATE**

Dr. A.S. Hariprasad

Professor & Head, Dept of Mathematics

J. od





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DEPARTMENT OF MATHEMATICS

## **CERTIFICATE**

This is to certify that Dr/ Prof. LOKANAD. HAM: M. of. MATHS Dept.
of
Applications" from 21st to 26 th December 2020

Dr. A.S. Hariprasad

Professor & Head, Dept of Mathematics

J. ad



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### Program Report

Date: 01-01-2021

Duration: 4 Hours/ Day

No. of Participants: 05

Faculty development program was organized for the faculty members of Chemistry on 28-12-2020 to 30-12-2020 at Aryabhata Seminar Hall, RRCE. The Programme was inaugurated by Dr. T Chandrashekar Principal, RRCE. Dr. Balakrishna R, Dean, RRCE and Dr. Sudhakara A, HOD of Chemistry presided over the Function. The Programme schedule is attached along with this report.

Head of the Department

Dept. of Chemistry
RAJARAJESWARI COLLEGE OF ENGINEERING
Bengaluru-74

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



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## PROGRAM SCHEDULE

DATE	SESSION	TOPICS	CHAIR
28-12-2020	Morning	Green Inhibitor Corrosion	Dr. Pruthviraj R D
	Afternoon	Green Chemistry- Synthesis	Dr. Sudhakara A

## PROGRAM SCHEDULE

DATE	SESSION	TOPICS	CHAIR
29-12-2020	Morning	Fuel - from WASTE MANGAEMNT	Mr. S. Ramesha
	Afternoon	Bio-Mass	Lakshmi Jala

## PROGRAM SCHEDULE

DATE	SESSION	TOPICS	CHAIR
30-12-2020	Morning	Sustainably – derived Electrode Materials for Battery & Super Capacitors	Dr. Sudhakara A
	Afternoon	Waste to Energy	Dr. Pruthviraj R D

Dept. of Chemistry RAJARAJESWARI COLLEGE OF ENGINEERING



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## DEPARTMENT OF CHEMISTRY

**Faculty Development Program** 

On

## GREEN CHEMISTRY TOWARDS SUSTAINABLE DEVELOPMENT

### ATTENDANCE SHEET

#### On 28-12-2020

S.No.	Name of the Faculty	Session 1	Session 2	Signature
1	Dr. Sudhakara. A	þ	P	8
2	Dr. Pruthviraj R D	Р	P	12
3	Mr. Ramesha .S	P -	Р	3
4	Mrs. Lakshmi Jala M M	Р	P	14
5	Mr.Santhosh Kumar A S	P	Ъ	50

### On 29-12-2020

S.No.	Name of the Faculty	Session 1	Session 2	Signature
ı	Dr. Sudhakara, A	P	Р	<b>8</b>
2	Dr. Pruthviraj R D	<u> </u>	Р	h
3	Mr., Ramesha ,S	P	P	
4	Mrs. Lakshmi Jala M M	P-	Р —	10
5	Mr.Santhosh Kumar A S	P	P	< 21

#### On 30-12-2020

S.No.	Name of the Faculty	Session 1	Session 2	Signature
1	Dr. Sudhakara. A	Р	P	. A
2	Dr. Pruthviraj R D	P	Р	h
3	Mr. Ramesha .S	Р	P	1
4	Mrs. Lakshmi Jala M M	p	P	24
5	Mr.Santhosh Kumar A S	Р	<del>-</del>	<del></del>

The



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## ATTENDANCE

Name	Designation	Signatu	28,29, 30/12/2020			
		28,29, 30/12/2020	28,29, 30/12/2020			
		М	AN			
Dr. Sudhakara	Professor & HOD	B - B	& B			
Dr. Pruthviraj R D	Assoc. Prof.	byly	1/2/1/2			
Mr. S. Ramesha	Assistant Prof.	2 1	- 1 2			
Mrs. Lakshmi Jala	Assistant Prof.	19-19	19 1g			
Mr.Santhosh Kumar A S	Assistant Prof	5pr. 59	- Sas .50			

Professor & HOD

Dept. of Chemistry

RAJARAJESWARI COLLEGE OF ENGINEERING

Bengaluru-74





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## **DEPARTMENT OF CHEMISTRY**

## CERTIFICATE

This is to certify that Prof. Sudhakara A., Chemistry Dept of RRCE, has attended Three Day FDP "Green CHEMISTRY TOWARDS SUSTAINABLE DEVELOPMENT" held on 28-30<sup>th</sup> Dec 2020.

Dr. Sudhakara A

Professor & Head, Dept of Chemistry

J. old

Dr. T. Chandrashekar

Principal, RRCE
Principal
RAJARAJESWARI

COLLEGE OF ENGINEERING

Ramohalli Cross, Bengaluru-77





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## **DEPARTMENT OF CHEMISTRY**

## CERTIFICATE

This is to certify that Dr. Pruthviraj R D ., Chemistry Dept of RRCE , has attended Three Day FDP "Green CHEMISTRY TOWARDS SUSTAINABLE DEVELOPMENT" held on 28-30<sup>th</sup> Dec 2020.

Dr. Sudhakara A

Professor & Head, Dept of Chemistry

J. ad

Dr. T. Chandrashekar

Principal, RRCE

Principal RAJARAJESWARI COLLEGE OF ENGINEERING

Ramohalli Cross, Bengaluru-7/





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## **DEPARTMENT OF CHEMISTRY**

## **CERTIFICATE**

This is to certify that Mrs. Lakshmi Jala., Chemistry Dept of RRCE, has attended Three Day FDP "GREEN CHEMISTRY TOWARDS SUSTAINABLE DEVELOPMENT" held on 28-30 Dec 2020.

Dr. Sudhakara A

Professor & Head, Dept of Chemistry

J. 01

Dr. T. Chandrashekar

Principal, RRCE

Principal

RAJARAJESWARI

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\*amohalli Cross, Pengaluru-71





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## **DEPARTMENT OF CHEMISTRY**

## **CERTIFICATE**

This is to certify that Mr. S. Ramesha., Chemistry Dept of RRCE, has attended Three Day FDP "Green CHEMISTRY TOWARDS SUSTAINABLE DEVELOPMENT" held on 28-30<sup>th</sup> Dec 2020.

Dr. Sudhakara A

Professor & Head, Dept of Chemistry

J. ad

Dr. T. Chandrashekar Principal, RRCE

Principal
RAJARAJESWARI
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Ramohalli Cross, Pongalung:





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## **DEPARTMENT OF CHEMISTRY**

## **CERTIFICATE**

This is to certify that Mr. Santhosh Kumar. A. S., Chemistry Dept of RRCE, has attended Three Day FDP "GREEN CHEMISTRY TOWARDS SUSTAINABLE DEVELOPMENT" held on 28-30<sup>th</sup> Dec 2020.

Dr. Sudhakara A

Professor & Head, Dept of Chemistry

J. 01

Dr. T. Chandrashekar Principal, RRCE

Principal

RAJARAJESWARI

COLLEGE OF ENGINEERING

Ramohalli Cross, Bengaluru-74









# Department of Information Science and Engineering

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

## Circular

Date: 02-01-2021

All the faculties are hereby informed that the Information Science and Engineering department is organizing a "Microcontroller and Embedded Systems" faculty development program from 04-01-2021 to 06-01-2021. All the faculty members are encouraged to attend the program.

> Dept. of Information Science & En Head of the Department



#### CHIEF PATRON

Dr. A.C. Shanmugam, B.A. L.L.R. FIMSA, FRCPS (Glasgew, U.K.) Chairman, RRGI, Bengaluru.

### PATRONS (1975)

Sri. A. C. S. ArunKumar Vice-Chairman, RRGI, Bengaluru.

Dr. S. Vijayanand

Executive Director, RRGI, Bengaluru.

Dr. S. Jeyabalan

Special Officer, RRGI, Bengaluru.

Sri. C.N. Seetharaman (Retd IAS Officer)

CEO, RRGI, Bengaluru.

### COPATRONS TO THE SECOND

Dr. T.R. Gopalakrishnan Nair Rector, RRGI, Bengaluru.

Dr. R. Balakrishna

Principal, RRCE, Bengaluru.

## ORGANIZING SELRETARY

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 (Rupees One Thousand Only) per participant.

### IMPORTANT DATES

Last Date for Registration: 3<sup>rd</sup> Jan 2021 Programme Dates: 4<sup>th</sup> - 6<sup>th</sup> January 2021

### YENUE共体 图像能量可能,

The FDP will be held at RajaRajeswari College of Engineering in CSE Seminar Hall, 5th Floor.

### RESOURCE DEBSONS NO. 1

Mr. Ganesh Babu M

Assistant Professor,

Department of Computer Science and Engineering, Kamarai College of Engineering, Tamilnadu.

### co-orbinatorse 建设。这里理论的

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

Prof. Ashwini R Mailpatil

Assistant Professor, Dept. of ISE, RRCE.



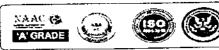
### **♦IEEE**



### RAJARAJESWARI COLLEGE OF ENGINEERING

Mysore Road, Bengaluru - 560 074

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



Three Days

**Faculty Development Program** 

"Microcontroller and Embedded

Systems"

4<sup>th</sup> January – 6<sup>th</sup> January 2021

Organized By

Department of Information Science & Engineering

RAJARAJESWARI COLLEGE OF ENGINEERING

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

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

3 Days Faculty Development Programme

Microcontroller and Embedded Systems

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REGISTRAT	TON FORM
Name:	
(IN CAPITAL	LÉTTERS)
Designation:	<del></del>
Department:	
College:	
Address:	
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Phone: Me	ob:
imail:	
heque / DD No:	<del>_</del>
amount:	
Pate:	<del>-</del>
egistration fees can be paid in	cash during the on-spot
egistration of the FDP on 4 <sup>th</sup> Jar	1 2021.
Principal /	Signature
Head of the Department	(Participant)

(Participant)

### About the Institution

RajaRajeswari College of Engineering (RRCE) 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 Microcontroller and Embedded Systems, Department of Information Science & Engineering, RRCE, Mysore Road, Bangalore - 560074.

Mobile: 9739078115/ 9611244447



## RajaRajeswari College of Engineering









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### Department of Information Science and Engineering FDP: Microcontroller and Embedded Systems 04/01/2021 to 06/01/2021 Program Schedule

Day 1:

Time: 9:00 AM to 12:00

Application of microcontroller Present trends in embedded system and its future scope Introduction of microcontroller 8051 Designing, Relays

Time 01:00 PM to 04:00 PM

Software section-This section includes 8051 microcontroller programming, debugging

Day 2:

Time: 9:00 AM to 12:00

Hardware section - This section includes Transferring of programs from system to microcontroller, testing with special trainer kit, interfacing with LEDs

Time: 01:00 PM to 04:00 PM

Seven segment display, stepper motored gear motor, LCD display and sensors, Practical implementation of software in various hardware.

Day 3:

Time: 9:00 AM to 12:00

Introduction to Embedded System Starting with embedded systems

Time: 01:00 PM to 04:00 PM

Introduction to Embedded C Difference between C and Embedded C Introduction to C programming for 8051

> Professor & HOD Dept. of Information Science & Enga. Rajarajeswari College of Engineering Bangalore - 660 074.



## RajaRajeswari College of Engineering 🐑 😉 MAAG 'A'









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## Department of Information Science and Engineering

Faculty Development program on "Microcontroller and Embedded Systems"

Program Report

Duration: 3 days

Date:06/01/2021

No. of Participants: 20

### Program objectives:

To give knowledge and hands on experience on

To know about the Microcontroller and Embedded systems a while providing them with an opportunity to improve their Knowledge in Future.

### Program outcomes:

- Understand the concept of embedded system, microcontroller, different components of
- Get familiarized with programming environment to develop embedded solutions
- Program ARM microcontroller to perform various tasks.
- Understand the key concepts of embedded systems such as I/O, timers, interrupts and



## 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



Co-ordinator

Head of the Department

Kajarajeswari College of Englacering Bangalers - 680 674.

## Department of Information Science and Engineering

## FDP: "Microcontroller and Embedded Systems" <u>Attendance List</u>

S.No	Name	04-01-2021	05-01-2021	1000
0	Dr. J. Amother m	Durteeva	05-01-2021	06-01-2021
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#14, Ramohalli Cross, Kumbalgodu Post, Mysore Road, Bangalore -74 Affilliated to VTU, Belgavi, Approved by AICTE, New Delhi



Three Days Faculty Development Program on

## Microcontroller and Embedded Systems

Certificate of Participation

This is Certify that Mr/Ms.

Reference of Light Marker of Microcontroller and Embedded Systems" Organized by the Department of Information Science and Engineering of RajaRajeswari College of Engineering , Bangalore on 04-01-2021 to 06-01-2021.

Dr. Amutharaj. J

HoD, Dept of ISE

RRCE

Dr. T. Chandrashekar

Principal

**RRCE** 



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



Academic Year: 2020-21

Circular

Date:10/2/2021

All the faculty are hereby informed that the CSE department is organizing a faculty development program from 15-2-2021 to 19-2-2021. 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, BALLB, FIMSA, FRCPS (Glasgow, UK) Chairman, RajaRajeswari Group of Institutions

Sri. A C S Arun Kumar

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

Vice-Chairman, RajaRajes wari Group of Institutions

#### Patrons

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> Sri C N SeetharamIAS (Retd) Chief Executive officer, RRGI

> > Dr. S Jeyabalan Special Officer, RRGI

Co-Patrons Dr. T Chandrashekar

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

Dr. R. Rajkumar
SRM Institute of Science and Technology,
Chennai.

Mr. Aditya S K Tequed labs, Bangalore

**Association Coordinator** 

Dr. KamalRaj Associate Professor/CSE

Organizing Members
All staffs of CSE department

Date and Venue

15th – 19th February, 2021

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,

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









5 Days Faculty Development
Program on
"Augmented Reality/
Virtual Reality and its Application"

15th - 19th February, 2021



Organized

By

Department of Computer Science & Engineering

Professor & Head, Computer Science (Accredited by NBA)

RAJARA JESWARI COLLEGE OF ENGINEERING

BENGALURU - 560 074



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Criterion: 6

Academic Year: 2020-21



### DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Faculty Development program on "Augmented Reality/Virtual Reality"
Attendance Sheet

Sl.No.	Name of the Faculty	Day 1 15-2-2021	Day 2 16-2-2021	Day 3 17-2-2021	Day 4 18-2-2021	Day 5 19-2-2021
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13	YashaswiniPR	yashite	yasino	yashul	year	L. ages
4	Dr. D. SMARUMAR	4	D: Like	\$ dil	\$ - alily	Doston
15	Suma CC	Ces	cis	Ces	Cer	cer
16	Ambika L	A	A	A	1	A
17	Dinesh	B	10	B	8	13
18	Veda	AA	44	H	X	A

Professor & Head, Computer Science & Engineering RAJARAJESWARI COLLEGE OF ENGINEERING

BENGALURU - 560 074

https://www.rrce.org



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Criterion: Academic Year: 2020-21



### DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Faculty Development program on "Augmented Reality/Virtual Reality"

### **Program Report**

Date:19/2/2021

**Duration: 5 days** 

No. of Participants:10

### Program objectives:

The workshop has been designed with the following objective:

- Discuss on types of VR, Sickness caused by VR, VR in games, Google VR setup and Demo of project.
- · Explain the concepts regarding VR.
- · Work on demo project and produce an output using Google VR.
- Explain about various applications of AR

### Program outcomes:

- Hands-on on AR and VR.
- Use Vuforia to make an AR scene.
- Understand the practical challenges in the VR and AR game-making industry.







Criterion:

Academic Year: 2020-21

Event Photo:



Co-ordinator

Head of the Department

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 Dr/	ProfSh	in	i.v.as.o	R.		of	
of, has	attended	5	Days	FDP	on	"Augmented	Reality/Virtua
Reality" from 15th to 19th February	y 2021.						

Dr.S. Úsha

Professor & Head, Dept of CSE

Professor & Head, Computer Science & Engineering
RAJARAJESWARI COLLEGE OF ENGINEERING

BENGALURU - 560 074

J. Odl

Dr. T Chandrashekar Principal, RRCE



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### DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Faculty Development program on "Augmented Reality/Virtual Reality"

### Feedback Form

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



### 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: 12/03/2021

To,

All the Faculty.

Hereby informed that, Department of ECE is organizing five days faculty development program on LaTex for Professionals on 22<sup>th</sup> to 26<sup>th</sup> March 2021. In this regards faculty of various departments are requested to register for this FDP on or before 18/03/2021 and make the event a grand success.

HOD/ECE

**Chief Patrons** 

Sri. A. C. Shanmugam

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

Rector, RajaRajeswari Group of Institutions

Principal

Dr. T. Chandrashekar

RajaRajeswari College of Engineering

**Organizing Secretary** 

Dr. L Rangaiah, Professor & Head, Dept. of ECE

**Faculty Advisors** 

Dr. Muruganandham A

Dr. Vijaya S M

Dr. Bhuvaneswari P

Dr. R Gangadhar Reddy

Dr. SumithaManoj

Dr. Sobya D

Dr. S R AarthiAvanthiga

Prof. Sreepathi V

Prof. Chaitanya S

Prof. Vani S Badiger

Prof. Ajay M

Prof. Haritha K S

Prof. Santosh Chavan

Prof. Santosh G

Prof. Pushpa M J

Prof. Namitha S

Prof. Deepika J

Prof. Gireesh H R

Prof. Ojaswini

Prof. Karthikeyan R

Prof. Suresh M

Prof. Abhilasha C P

Prof. Meghana H N

Prof.Vinodha.G

Prof Karthik Nagarjun

Prof.Anudeep K

Prof.Abubakkarsithik M

Prof .Vignesh Mani

Prof.Gopinathan.T

Contact:

Dr. P.Bhuvaneswari, Assoc. Prof. Dept of ECE, RRCE

Contact No: 9448394177

Address for Communication:

DEPT. OF ELECTRONICS & COMMUNICATION ENGG.

RajaRajeswari College of Engineering,

Mysore road, Kumbalagodu,

Bengaluru -560074.

Phone: +91-8028437124 DEPPROFESS

DEPROFESSOR & HEADONE

ANGALOS S PONTA

### RajaRajeswari College of Engineering

Approved by AICTE, New Delhi & Govt. of Karnataka, Affiliated to VTU, Belagavi.

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

> A FIVE DAY WORKSHOP ON

LaTex for Professionals

22th to 26th March 2021

Organized by Department of

ELECTRONICS & COMMUNICATION ENGG.

RajaRajeswari College of Engineering,

Mysore road, Kumbalagodu,

Bengaluru - 560074

Ph: +91-80-28437373, 28437375

Fax: +91-80-28437124

Prof. Lokesha K Prof. Sunitha R

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 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: 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 organized many International/National Conferences, FDPs, Workshops in the past. The Department is well equipped with laboratories and has highly qualified and dedicated faculty members with vast experience and expertise in their respective domains. Department has a Research center approved by VTU.

Workshop Objectives: Students, faculty, and researchers often need to write a technical document. LaTex is a high-quality typesetting system; it includes features designed for the production of technical and scientific documentation. It is the de facto standard for the communication and

The broad objectives of the course are:

- 1. To understand LaTex, a document preparation system for high-quality typesetting.
- 2. To understand features of LaTex.
- To have hands on experience to become a user of LaTex

COURSE CONTENTS: This course will be addressing following together with hands on each.

- 1. Introduction to LaTex
- 2. Mathematical environment
- 3. Tables, figures and tikz pictures for vector graphics
- 4. Referencing in the report (BibTex)
- 5. IEEE paper format, Report

Date and Venue:

The FDP will be held during 22 to 26 March 2021 at Seminar Hall. Department of ECE, RRCE, Bengaluru - 560074.

#### Resource Person:

 Dr. R Gangadhar Reddy, Associate Professor, Department of ECE, Rajarajeswari College of Engineering.

### Targeted Participants:

Faculty of various colleges

Registration Fee: Rs. 500/-

Registration fee to be paid to the following account.

Account Name: Rajarajeswari College of Engg.

Account No: 263701000032

IFSC: ICIC0002637

Scanned copy of registration form along with transaction

details to rgangadharreddy@rrce.org

## A THREE DAY WORKSHOP ON

### LaTex for Professionals

22 to 26 March 2021

Organized by Department of

**ELECTRONICS & COMMUNICATION ENGG.** 

RajaRajeswari College of Engineering,

Mysore road, Kumbalagodu,

Bengaluru - 560074

Ph: +91-80-28437373, 28437375

Fax: +91-80-28437124

### REGISTRATION FORM

Name

Department:

Institution :

Phone

:

E-mail

:

### DECLARATION

I hereby declare that the above details are true to the best of my knowledge

Signature of Participant

Signature of HoD/

ipant Dean with seal

Date:



Ramohalli Cross, Kumbalagodu, Mysore Road, Bengaluru-560074.
DEPT. OF ELECTRNICS AND COMMUNICATION ENGINEERING

Workshop on "LaTex for Professionals "

Date of FDP: 22 to 26 March 2021

Venue: Seminar Hall, Dept of ECE

Session	Topics covered	Resource Person
	Inaugural Function	
DAY-1 22.03.2021	Introduction to LaTex	
22.03.2021	Installation of Latex tool	
DAY-2 23.03.2021	Mathematical environment	Dr. R Gangadhar Reddy, Assoc. Prof.
DAY-3 24.03.2021	Tables, figures and tikz pictures for vector graphics	Dept. of ECE, RRCE
DAY-4	Referencing in the report	1
25.03.2021	(BibTex)	
DAY-5	IEEE paper format, Report	
26.03.2021	Valedictory Function	

**Workshop objective:** Students, faculty, and researchers often need to write a technical document. LaTex is a high-quality typesetting system; it includes features designed for the production of technical and scientific documentation. It is the de facto standard for the communication and publication of scientific documents.

The broad objectives of the course are:

- 1. To understand LaTex, a document preparation system for high-quality typesetting.
- 2. To understand features of LaTex.
- 3. To have hands on experience to become a user of LaTex
- Total number of participants: 30

### COURSE CONTENTS:

This course will be addressing following together with hands on each.

- 1. Introduction to LaTex
- 2. Mathematical environment
- 3. Tables, figures and tikz pictures for vector graphics
- 4. Referencing in the report (BibTex)
- 5. IEEE paper format, Report

PROFESSOR & HEAD

DEPT, OF ELECTRONICS & COLAMBRICAMISM ENG

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## 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 Five Day Workshop
On
LaTex for Professionals

### PARTICIPATION CERTIFICATE

This is to certify that Mr. Santosh G of Rajarajeswari college of engineering has participated in a Five Day workshop on "LaTex for Professionals", organized by the Department of Electronics and Communication Engineering, from 22<sup>nd</sup> to 26<sup>th</sup> March 2021.

Coordinator

Dr. P.Bhuvaneswari

Head of the Department

Dr. Rangaiah L

Principal

Dr. T. Chandrashekar



# 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 Five Day Workshop on "LaTex for Professionals"

22th to 26th March 2021

### **FEEDBACK ON FDP**

Please tick	the	appro	priate	option.
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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)
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-Satisfacory, 3-Good, 4-Very good, 5-Excellent)
Information content Understandability Relevance of the topic to you Communication of the presenter Level of interaction Hands on training  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
******** Thank you for your valuable feedback ********

## RajaRajeswari College of Engineering

No.14, Ramoha!li Cross, Kumbalgodu, Mysore Road,Bengaluru-560 074
(APPROVED BY AICTE, NEW DELHI & AFFILIATED TO VTU, BELAGAVI)
DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

### FDP ON "LaTex for Professionals"

22th to 26th March 2021

### **Attendance Sheet**

S. NO	Name of the Faculty	Day-1 22-03-2021	Day-2 23-03-2021	Day-3 24-03-2021	Day-4 25-03-2021	Day-5 26-03-2021
1	Dr. A. Hangan Shom	4m	14.	40	20)	10)
2	Dr. P. Pohurahran	18	R	VI	VS.	W
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18	Vishogith, V. Pai	Vishogith	Vishwajith	Vishogith	Vishwajith	Vishvajith
19	Dr. D. Smakemar	D. Lik	D. Later	D. Like	D. Lill	D. Silv
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21	VM. SARAVANA PERMAL	NAU	de	An	She	de
22	Dr. Sumithemanos	J.M	ST		Sin	

. 23	SUSHMA RAMESH	Sula	Sushin	Sushu	Sushins	Suchilla
24	YASHASWINI S		YAS	YAS	YASI	YAR
25	Vidya . C. N.	andy	Quely	asly	ady	andy
26	Dr. D. SOBYA	£25	Light	Deput	(589) J	( Stepes
27	Sunithank	la	1/2			
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PROFESSOR & HEAD
DEPT, OF ELECTRORICS & COLLEGE OF ENGG.
RAJARAJESWARI COLLEGE OF ENGG.
BENGALURU - 590 074



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

Academic Year: 2020-21



### Circular

Date:1/4/2021

All the faculty are hereby informed that the CSE department is organizing a faculty development program from 5-4-2021 to 9-4-2021. 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



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Criterion: 6

Academic Year: 2020-21



### DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

## Faculty Development program on "Mobile Application Development for Innovation" Attendance Sheet

SI.No.	Name of the Faculty	Day 1 5-04-2021	Day 2 6-04-2021	Day 3 7-04-2021	Day 4 8-04-2021	Day 5 9-04-2021
1	T. Devi	Ø	Ø	R	Ø	B
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8	KAMAZ RAY	14	V	L	K	K
9	or. Reject les	( <u>L</u> )	(D)	0	P	0
10	Masasa G. V. Kunor	maran	maiasa	Manasa	Marasa	Marada
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12	Megha. L	2 moghs	2 hogh	1. aghs	2. (maghs	(Noghe
13	Yashashini PR	Jastin	yearn	Joela	youth	Joshil
14	Dr. M. selin	Milli	y.w	Milli	y.d.	Md
15	Dr. D. SWAKUNAR	D-Fir	D'Aile	D. Liles	Didle	Dalik
16	T. Anntin Jose	The	The	Th	Th	The
17	Voda	A	A	A	4	A
18	Nandini G	HA	AA	A	A	M

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, RajaRajes wari Group of Institutions

#### Patrons

Dr. S Vijayanand Executive Director, RajaRajes wari Group of Institutions

> Sri C N SeetharamIAS (Retd) Chief Executive officer, RRGI

> > Dr. S Jeyabalan Special Officer, RRGI

Co-Patrons Dr. T Chandrashekar

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. Sridhar Raghu, Associate Engineer, Pseudo code, Bengaluru

Association Coordinator

Mr. Saravana Perumal Assistant Professor/CSE

Organizing Members
All staffs of CSE department

Date and Venue

5<sup>th</sup> - 9<sup>th</sup> April, 2021

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









5 Days Faculty Development
Program on
"Mobile Application Development
for Innovation"

5th - 9th April, 2021

Organized

Department of Computer Science & Engineering
(Accredited by NBA)

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



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

Criterion:

Academic Year: 2020-21



#### DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Faculty Development program on "Mobile Application Development for Innovation"

#### **Program Report**

Date:09/04/2021

Duration: 5 days

No. of Participants:20

### Program objectives:

To give knowledge and hands on experience on

Learn and acquire the art of Android Programming.

Configure Android studio to run the applications.

Understand and implement Android's User interface functions.

Create, modify and query on SQLite database.

Developing Innovative Mobile App Solutions for Societal and Industrial problems

### Program outcomes:

Create, test and debug Android application by setting up Android development environment. Implement adaptive, responsive user interfaces that work across a wide range of devices. Infer long running tasks and background work in Android applications. Demonstrate methods in storing, sharing and retrieving data in Android applications. Infer the role of permissions and security for Android applications. Projects and Assignment given to Develop Innovative Mobile App Solutions for the Industrial and Societal Problems.



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

Criterion:

Academic Year: 2020-21



Event Photo:



Co-ordinator

Head of the Department

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 Dr/ Prof Dr. M. Selvi	ofCSEDept.
of R.R.C.E, has attended 5 Days FDP on	"Mobile Application Development
for Innovation" from 5th to 9th April 2021.	

Professor & Head, Computer Science OF ENGINEERING

RAJARAJESWARI COLLEGE OF ENGINEERING RENGALURU - 560 074

Dr. T Chandrashekar Principal, RRCE



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





### DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Faculty Development program on "Mobile Application Development for Innovation"

### Feedback Form

Questionnarie	Below Avarege	Avarege	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?			<b>/</b>		
4. Are you satisfied with the outcome of this FDP?					



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





### Circular

Date:2.5.2021

All the faculty are hereby informed that the CSE department is organizing a Staff development program from 4-5-2021 to 8-5-2021. All the Non-Teaching members are encouraged to attend the program.

Head of the Department

Ssor & Head, Computer Science & Engineering

MARAJESWARI COLLEGE OF ENGINEERING

BENGALURU - 560 074

### Chief Patron

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

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Sri. A & S Arun Kumar

B.Tech (Hons)., LMISTE,MIET.,(UK).. LMCSI. Vice-Chairman, RajaRajeswari Group of Institutions

Patrons

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> Sri C N SeetharamIAS (Retd) Chief Executive officer, RRGI

> > Dr. S Jeyabalan Special Officer, RRGI

Co-Patrons

Dr. T Chandrashekar

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. Sridhar, SudoCode, Bangalore

Organizing Members

All staffs of CSE department

Date and Venue

4th - 8th May, 2021

09:30AM - 04:00PM

CSE Seminar Hall,

Department of CSE, RRCE

Address for Communication

Dept. of Computer Science & Engg.

RajaRajes wari 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









5 Days Faculty Development Program on

"Mobile Application Development &

Python Programming"

 $\begin{array}{l} \text{(As per VTU CBCS Scheme)} \\ 4^{th} - 8^{th} \ May, \ 2021 \end{array}$ 



Organized

Department of Computer Science & Engineering

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

Mont 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 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 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

"Mobile Application Development & Python Programming"
(As per VIU CBCS Seteme)

(As per VI C CHCS Science)

 $4^{th} - 8^{th}$  May, 2021

### REGISTRATION FORM

Name:
Designation:
Department:
College:
Address:
<del></del>
Phone: Mob:
Email:
Date:



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



### Academic Year: 2020-21

### DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Staff Development program on "Mobile Application Development & Python Programming"
Attendance Sheet

Sl.No.	Name of the Non- Teaching	Day 1 4-5-2021	Day 2 5-5-2021	Day 3 6 -5-2021	Day 4 7-5-2021	Day 5 8-5-2021
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HOD, CSE

Professor & Head, Computer Science & Engineering
MARAJESWARI 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/MrsAryaliS
of
from $4^{th}$ to $8^{th}$ MAY 2021.

Dr.S .Usha

Professor & Head, Dept of CSE

J.ad

Dr. T.Chandrashekar 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: 01/05/2021

To,

All the Faculty.

Hereby informed that, Department of ECE is organizing five days faculty development program on IOT - An Enabling Wireless Sensor Networks on 10<sup>th</sup> to 14<sup>th</sup> May 2021. In this regards faculty of various departments are requested to register for this FDP on or before 25/04/2021 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

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,

Rector, RajaRajeswari Group of Institutions

Principal

Dr. R. Balakrishna

RajaRajeswari College of Engineering

Organizing Secretary

Dr. L Rangaiah, Professor & Head, Dept. of ECE

Faculty Advisors

Dr. Muruganandham A

Dr. Vijaya S M

Dr. Bhuvaneswari P

Dr. R Gangadhar Reddy

Dr. SumithaManoj

Dr. Sobya D

Dr. S R AarthiAvanthiga

Prof. Sreepathi V

Prof. Lokesha K

Prof. Sunitha R

Prof. Chaitanya S Prof. Vani S Badiger

Prof. Aiav M

Prof. Haritha K S

Prof. Santosh Chavan

Prof. Santosh G

Prof. Pushpa M J

Prof. Namitha S

Prof. Deepika J

Prof. Gireesh H R

Prof. Ojaswini

Prof. Karthikeyan R

Prof. Suresh M.

Prof. Abbilasha C P

Prof. Meshana II N

Prof.Vinodha.G

Prof Karthik Nagarjun

Prof.Anudeep K

Prof.Abubakkarsithik M

Prof .Vignesh Mani

Prof.Gopinathan.T

Contact:

Dr. P.Bhuvaneswari, Assoc. Prof. Dept of ECE, RRCE

Contact No: 9448394177

Dr. R Gangadhar Reddy, Assoc. Prof. Dept of ECE, RRCE

Contact No: 9492993588

Address for Communication:

DEPT. OF ELECTRONICS & COMMUNICATION ENGG. RajaRajeswari College of Engineering,

Mysore road, Kumbalagodu,

Bengaluru -560074.

Phone: +91-8028437124



#### RajaRajeswari College of Engineering

Approved by AICTE, New Delhi & Govt. of Karnataka, Affiliated to VTU, Belagavi.

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

A FIVE DAY FDP

ON

IOT - An Enabling Wireless Sensor Networks

10th to 14th May 2021

Organized by Department of ELECTRONICS & COMMUNICATION ENGG. RajaRajeswari College of Engineering, Mysore road, Kumbalagodu, Bengaluru - 560074 Ph: + 91-80-28437373, 28437375 Fax: +91-80-28437124



About RRCE: RajaRajeswari College of Engineering (RRCE), established in the year 2006 under the shelter of Moogambigal 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, RRCF is recognized by AICTE, New Delhi Technological University (VTU), and is affiliated to Visvesvaraya Belagavi, Karnataka. The Institute offers six UG courses (Electronics er Science, Information Science, Mechanical, Electrical & Electronics Engineering and seven PG cours-

es, Master of Technology in Digital Electronics & Communication, Communication Systems, Computer Science & Engineering, Computer Network Engineering, Thermat 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: 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 organized many International/National Conferences, FDPs, Workshops in the past. The Department is well equipped with laboratories and has highly qualified and dedicated faculty members with vast experience and expertise in their respective domains. Department has a Research center approved by VTU.

Workshop Objectives: An IoT (Internet of Things) Wireless Sensor Network (WSN) refers to a group of spatially dispersed and dedicated sensors for monitoring, and recording the physical conditions of the environment, and collectively pass on such data through a wireless network to a internet-based location.

WSNs measures the environmental conditions like temperature, sound, pollution levels, humidity, wind speed and direction, pressure, etc.

This FDP gives the knowledge on recent advancements in the field of wireless sensor networks with IoT.

The FOP will be held during 10" - 14" September 2021 at Seminar Hall. Department of ECE, RRCE, Bengaluru - 560074.

#### Resource Person:

- Dr. I. Rangajah, Prof. & HoD, ECE, RRCE.
- 2. Prof. Chaitanya S. Assistant Professor, ECE, RRCE
- 3. Prof. Vani 5 B. Assistant Professor, ECE, RRCF
- 4. Prof. Haritha K S. Assistant Professor, ECE, RRCE
- 5. Prof. Santhosh Chavan, Assistant Professor, ECE, RRCE

#### Targeted Participants:

Faculty of various colleges

Registration Fee: Rs. 600/-

Registration fee to be paid to the following account.

Account Name: Rajarajeswari College of Engg.

Account No: 263701000032

IESC: ICIC0002637

Scanned copy of registration form along with transaction

details to rgangadharreddy@rrce.org

### A FIVE DAY FDP ON

### IOT - An Enabling Wireless Sensor Networks

10th to 14th May 2021

Organized by Department of ELECTRONICS & COMMUNICATION ENGIG. RajaRajeswart College of Engineering. Mysure road, Kumbalagodu, Bengaluru - 560074 Ph: + 91-80-28437373, 28437375 Fax: +91- 80-28437124

#### REGISTRATION FORM

Name Department : Institution Phone E-mail

#### DECLARATION

I hereby declare that the above details are true to the best of my knowledge

Signature of **Participant** 

Signature of HoD/ Dean with seal

Date: Place:



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

DEPT. OF ELECTRNICS AND COMMUNICATION ENGINEERING

### FACULTY DEVELOPMENT PROGRAMME ON "IOT - An Enabling Wireless Sensor Networks "

Date of FDP: 10<sup>th</sup> to 14<sup>th</sup> May 2021

• Venue: Seminar Hall, Dept of ECE

Session	Topics covered	Resource Person
	Inaugural Function	
DAY-1 06.09.2021	Recent trends in communication with IoT	Dr. Rangaiah L, Prof & Head ECE, RRCE
06.09.2021	Funding agencies	Dr. Kangalan E, Fron & Head EEE, KNEE
DAY-2 07.09.2021	Cyber Security	Prof. Chaitanya S
DAY-3 08.09.2021	Communication for IoT application	Prof. Vani S B
DAY-4 09.09.2021	New ideas & innovations in the technologies	Prof. Haritha K S
DAY-5	Next generation wireless communication	Prof. Santhosh Chavan
10.09.2021	Valedictory Function	

FDP objective: An IoT (Internet of Things) Wireless Sensor Network (WSN) refers to a
group of spatially dispersed and dedicated sensors for monitoring, and recording the
physical conditions of the environment, and collectively pass on such data through a
wireless network to a internet-based location. WSNs measures the environmental
conditions like temperature, sound, pollution levels, humidity, wind speed and direction,
pressure, etc.

 This FDP gives the knowledge on recent advancements in the field of wireless sensor networks with IoT.

Total number of participants: 24

FDP Outcomes:

> 24 faculty members of different disciplines have registered and taken benefit

Participants have gained the knowledge on writing a good technical//research paper.

> Participants have sufficient knowledge about different topics in wireless sensor network

Sessions on patentable research guided the participants to recognized and work towards patentable research.

Awareness on different skill, tools and methodologies have helped the participants to further their research



## 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 Five Day FDP

IOT - An Enabling Wireless Sensor Networks

## PARTICIPATION CERTIFICATE

This is to certify that Mr. Santhosh G of Rajarajeswari college of engineering has participated in a Five Day FDP on "IOT - An Enabling Wireless Sensor Networks", organized by the Department of Electronics and Communication Engineering, from 10<sup>th</sup> to 14<sup>th</sup> May 2021.

R. Gugadhar feld

Dr. R Gangadhar Reddy

Head of the Department

Dr. Rangaiah L

Principal

Dr. T. Chandrashekar



# 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 Five Day FDP
On

IOT - An Enabling Wireless Sensor Networks

## PARTICIPATION CERTIFICATE

This is to certify that Mr. Suresh M. of Rajarajeswari college of engineering has participated in a Five Day FDP on "IOT - An Enabling Wireless Sensor Networks", organized by the Department of Electronics and Communication Engineering, from 10<sup>th</sup> to 14<sup>th</sup> May 2021.

R. Gogadher helle

Coordinator

Dr. R Gangadhar Reddy

Head of the Department

Dr. Rangaiah L

Principal

Dr. T. Chandrashekar

## 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 "IOT - An Enabling Wireless Sensor Networks"

10<sup>th</sup> to 14<sup>th</sup> May 2021

### Attendance Sheet

S. NO	Name of the Faculty	Day-1 10-05-2021	Day-2 11-05-2021	Day-3 12-05-2021	Day-4 13-05-2021	Day-5 14-05-2021
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3	Dr. Aarthi Avanthiga	A	<u>Au</u>	Aas	Au	Aw
4	Vani. S. Badiger	Z	P	9	8	R
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10	Dr. R. Bhaserwan	V8	V8_	¥£	W	18
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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 DELIII & AFFILIATED TO VTU, BELAGAVI)

## DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

### A Five Day FDP

IOT - An Enabling Wireless Sensor Networks

10th to 14th May 2021

### FEEDBACK ON FDP

Piease	tick the	appropriate	option.
--------	----------	-------------	---------

1. How did you get to know about the FDP? Through:
(a) Friends (b) Brockure (c) College website (d) e-mail (e) Any other (mention)
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-Satisfacory, 3-Good, 4-Very good, 5-Excellent)
Information content  Understandability  Relevance of the topic to you  Communication of the presenter  Level of interaction  Hands on training
4. Quality of Equipment/Ambience etc. : Grand .  5. Do you want some more of such FDPs? Yes/No
If yes, suggest topics
6. Suggestions/comments if any
No comments
******* Thank you for your valuable feedback ********





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

### DEPARTMENT OF CIVIL ENGINEERING

### Circular

Date: 12/5/2021

All the faculty are hereby informed that the CIVIL ENGINEERING department is organizing a faculty development program on "SUSTAINABLE CONSTRUCTION MATERIALS AND RECENT INNOVATIONS IN CIVIL ENGINEERING" from 17-5-2021 to 21-5-2021. All the faculty members are encouraged to attend the program.

Head of the Department

RAJARAJESVIARI COLLECE OF ENGINEERING

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

Ramohalli Cross, Kumbalgodu, Bangalore Department of Civil Engineering



### **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,RRGI

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

### Co Patrons

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

Dr. Chandrashekar T Principal,RRCE

Convener
Dr. V Ramesh
Professor and Head
Department of Civil Engineering

### INVITATION

FOR

**Faculty Development Program** 

ON

"SUSTAINABLE CONSTRUCTION
MATERIALS AND RECENT
INNOVATIONS IN CIVIL
ENGINEERING"

### Inauguration

Date and Venue:

17/05/2021-21/5/2021 9.0 am – 10.0am Dr. Sir M Visvesvaraya Seminar hall

By

**Civil Engineering Department** 

Your's sincerely

Dr. V Ramesh Professor and Head Department of Civil Engineering

Professor & HOD

Profes

### REGISTRATION FORM 5-DAY FDP ON

SUSTAINABLE CONSTRUCTION MATERIALS AND RECENT INNOVATIONS IN CIVIL ENGINEERING

> On 17th May -21th May , 2021

1. Name 2. Designation 3. Department 4. Qualification 5. Institution 6Address 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 Prof Shalini G V MP for registration

Registration is free

All communications may be made to:

### Dr. V Ramesh

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

### 5-DAY FDP ON

SUSTAINABLE CONSTRUCTION MATERIALS AND RECENT INNOVATIONS IN CIVIL ENGINEERING

On 17th May -21th May , 2021



### 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.

> Department of Civil Engineering RAJARAJESWAIII 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 "SUSTAINABLE CONSTRUCTION MATERIALS AND RECENTINNOVATIONS IN CIVILENGINEERING"

### **Program Report**

Date: 21/5/2021

**Duration: 5 Days** 

Target of participant: FACULTY

No. of Participants: 15

**Program objectives:** The FDP is being organized for faculty to get acquainted with new materials and construction technologies to incorporate cutting-edge and economically viable, sustainable solutions, thereby increasing profitability, decreasing construction time and overall impact on the built environment

### Program outcomes:

Examine the properties of common construction materials and understand the transition toward sustainable materials, along with their behaviors under different environments, short- or long term. Assess material properties, mechanical tests and quality control tests for, concrete, masonry, glass, plastics, iron and steel, paints and protective coatings, bituminous products, gypsum products, resilient flooring, and carpeting. Appraise appropriateness and sustainability of materials for construction projects. Select the sustainable materials based on the international standard practices and certification. Explain about innovative sustainable construction materials and their uses in construction.

Head of the Department

Professor & HOD

Professor & HOD

Professor & HOD

Professor & Engineering

Department of Civil Engineering

RNARA/ESWARI COLLEGE OF ENGINEERING

Benealuru-74

Benealuru-74

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



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



### DEPARTMENT OF CIVIL ENGINEERING

## 5 day Faculty Development program on "SUSTAINABLE CONSTRUCTION MATERIALS AND RECENT INNOVATIONS IN CIVIL ENGINEERING" Event schedule

Date	10.00 AM to 1.00 AM	1.00 to 2.00PM	2.00 PM to 4.00 PM
17/05/2021	Session 1: Concepts of Water Proofing. Resource Person: Mr.Chaitanya	Lunch	Session 2: Self-healing Concrete. Resource Person: Mr.Naveen
18/05/2021	Session 3: Recycled Plastic. Resource Person: Ms.ramya	Lunch	Session 4: Modular Construction Resource Person:
19/05/2021	Session 5: identify potential safety hazards, Resource Person: Mrs.babitha	Lunch	Session 6: Reclaimed Bricks Resource Person: Mr.bhaskar
20/05/2021	Session 7: smart buildings with embedded sensors Resource Person: Mr.Ajit Sabnis	Lunch	Session 8: wind induced vibration & control, Resource Person: Mr.Chaitanya
21/05/2021	Session 9: smart dynamic concrete Resource Person:Mr.govardhan	Lunch	Interactive session., Feedback and Valedictory Function





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## DEPARTMENT OF CIVIL ENGINEERING FEEDBACK FORM

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Department of Civil Europeaning RAJARAJESWARI COLLEGE OF E. C. M. CENTING Bengaluru-74

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



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https://www.rrce.org

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Department of Civil Engineering

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



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Department of Civil Engineering
RAJARAJUSMARI COLLEGE OF EMUNICERING
Bengalurus 24

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



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Affiliated to the Visvesvaraya Technological University, Belagavi



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

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Professor & HOD

Department of Civil Engineeri-RAJARA, ESWARI COLLEGE OF ENGINEERING Bengaluru-74

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



(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	Mr/Ms/Dr/N	Mrs	K	AVYA.	M. P	. 14.	of
					the	5-DAY	FDP	ON	SUSTAINABLE
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from 17 <sup>t</sup>	h to 21st N	Aay 20	021.						

HOD Dr.V Ramesh

Principal Dr. T.Chandrashekar



## 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: 01/06/2021

To,

All the staff.

Hereby informed that, Department of ECE is organizing two day professional development program on Advanced Communication Lab Experiments on 02<sup>nd</sup> to 03<sup>rd</sup> June 2021. In this regards all the staff faculty are requested to attend for this professional development program.

HOD/ECE

PROFESSOR & HEAD

DEPT. OF ELECTRONICS & COMMUNICATION ENG
RAJARAJESWARI COLLEGE OF ENGG.
BENGALURU - 550 074



Ramohalli Cross, Kumbalagodu, Mysore Road, Bengaluru-560074.
DEPT. OF ELECTRNICS AND COMMUNICATION ENGINEERING

Professional Development Programme on "Advanced Communication Lab Experiments"

Date of FDP: 02<sup>nd</sup> to 03<sup>rd</sup> June 2021

· Venue: VLSI Lab, Dept. of ECE

Resource Person:

Mr. Ravi Kumar T, Technilab Pvt. Ltd. Bangalore

o Dr. Bhuvaneswari P, Associate Professor, ECE Dept., RRCE

FDP objective: To make the faculty proficient in lab experiments

Total number of participants: 10

FDP Outcomes:

- Participants came to know how to determine the characteristics and response of microwave waveguide, microstrip antennas and devices and compute the parameters associated with it.
- Participants came to know how to design and test the digital and analog modulation circuits and display the waveforms and Simulate the digital modulation systems and compare the error performance of basic digital modulation schemes.
- Participants leant about the characteristics of optical fiber and the various losses

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Market Market Called

## 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

### **Advanced Communication Lab Experiments**

02<sup>nd</sup> to 03<sup>rd</sup> July 2021

### **Attendance Sheet**

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PROFESSOR & HEAD

DEPT, OF ELECTRONICS & COMMUNICATION ENG

RAJARAJESWARI COLLEGE OF ENGG.

BENGALURU - 560 074





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Affiliated to the Visvesvaraya Technological University, Belagavi
Academic Year:

### DEPARTMENT OF CIVIL ENGINEERING

### Circular

Date: 1/6/2021

All the Staff are hereby informed that the CIVIL ENGINEERING department is organizing a Staff development program on "SUSTAINABLE CONSTRUCTION MATERIALS AND RECENT INNOVATIONS IN CIVIL ENGINEERING" from 7/6/2021to 11/6/2021. All the Staff members are encouraged to attend the program.

Head of the Departmen

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Ramohalli Cross, Kumbalgodu, Bangalore Department of Civil Engineering



### **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.Scetharam Chief Executive officer, RRGI

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

### Co Patrons

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

Dr. Chandrashekar T Principal,RRCE

Convener
Dr. V Ramesh
Professor and Head
Department of Civil Engineering

### INVITATION

FOR

Staff Development Program

ON

"SUSTAINABLE CONSTRUCTION
MATERIALS AND RECENT
INNOVATIONS IN CIVIL
ENGINEERING"

### Inauguration

Date and Venue:

7/6/2021-11/6/2021 9.0 am – 10.0am Dr. Sir M Visvesvaraya Seminar hall

By

**Civil Engineering Department** 

Your's sincerely

Dr. V Ramesh
Professor and Head
Department of Civil Engineering
Protest of A 18-18
Department of Civil Engineering
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Bengasera 74

### Registration fees: Nil RECEISTRATELONGORM 5-DAY SDP ON SUSTAINABLE CONSTRUCTION MATERIALS AND RECENT INNOVATIONS IN CIVIL ENGINEERING I imited seats are available. On On l first come first serve basis. 7/6/2021 to 11/6/2021 All are cordially invited Designation Department. magna, galeren (kailantas kailattarik Ora Incilion grave entre definicade en a substituto Buring. o vinces Registration is free All communications may be made to: Dr. V Ramesh Committing Secretary Signature of the Participant Head of the Department Department of Civil Engineering, RajaRajaswari College of Engineering Kumbalgoda New Remobilit Cross, Bangalors # 560 eravinadani*di* pinail com Mobiles 94499951103

5-DAY SDP ON

SUSTAINABLE CONSTRUCTION MATERIALS AND RECENT INNOVATIONS IN CIVIL ENGINEERING

7/6/1021 to 11/6/2021



### Organized By

Department of Givil Engineering

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### 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.

RRCs is improved by AlcTrainew Delhi and is allilisted story isvesvarava Technological University (VTI). Belgaum: and Karnataka: The Institute offere six HC Digmeering Churses (Civil Wechanica) Pleonical Confidentialities afficient income Communication: Computer Science & Lengtheering and Information Science & (Engineering) same sings (Reserving SEAV) se Meican segendale edicational stanc (enniquine dide: Bremon Sinon-enno imi Competition stands of Christian and State Nation MOATERROSS BEFOR RED SENIES All the Departments have could be start and well could be a with state of the ar equipment The college has allowing and information a center with wery good collection, acompilier centers and sports Caculines calonic with other amenities. The Cillered Street Carry the suite of Rengilland Mysone road and its Blood from Burisdicte (effy.RailiyayeStationa

### Dazarasadzieoj:(Ovrbez(Gradinikir)(G

on a fac Department of Civil Engineering was stablished untile academic year 2009-10 with an in-late of our fac intakering been raised to 120 from 2014. The Wain Vision of the Department is to produce Civil Engineers with sound technical knowledge The Department has full-fledged experienced and dedicated teaching faculty. The Department in having fully equipped laboratories with sophisticated instruments and offers consultancy and lesting services in the field of Civil Engineering.

### SDEORIECTIVES:

This SDP swill help the faculty members to redefine their horizons in recent advancements in Civil Engineering which require sustainable infrastructure constructions [[Ewill also senhance better reaching ability with respect to instrumble development in Civil Engineering

### DATE and VENUE

The SDP will be held on a 7/6/2021 in 31/6/2021.

(10:00am in 4:00 pm) at CYE-Semmar hall RREE
Bengalure-560074

### Participants:

Stat) who are thandling Civit tengineering subjects to are invited to participate in the SDP: 18-11-18-22

### Chief Patron

Dr.A.C.Shaumugam.B.A.L.I.B.FIMSA.FRCP S(Glasgow.U.K) Chairman, RajaRajeswari Group of Institutions, Bengaluru

#### Patrons --

Srr: A.C.S. Artir Kumar, B.Tech (Hose).

I MISTIP MIET. (UK), LMCSL.

Vice-Chanman, RajaRajeswari Group of Jostifotions Bengaluru

Dr. Vijayanand, S. M. Tech, Ph.D. Executive Director, RajaRajeswari Groupof Institutions, Bengaluru:

Sri, S. Jayabalan Special Officer: RajaRajeswari Group officentificus, Bengaluru

Sri Seetharum Retd IAS Officer) CEO Kajukajeswari Group of Institutions Bengaluro

Principal RRCie Co-chairman Dr-Balakröbne Re Dear, RRCi

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### DEPARTMENT OF CIVIL ENGINEERING

## 5 day Staff Development program on "SUSTAINABLE CONSTRUCTION MATERIALS AND RECENTINNOVATIONS IN CIVILENGINEERING"

### Program Report

Date: 11/6/2021

**Duration: 5 Days** 

Target of participant: Staff

No. of Participants: 5

Program objectives: The SDP is being organized for Staff to get acquainted with new materials and construction technologies to incorporate cutting-edge and economically viable, sustainable solutions, thereby increasing profitability, decreasing construction time and overall impact on the built environment

### Program outcomes:

Examine the properties of common construction materials and understand the transition toward sustainable materials, along with their behaviors under different environments, short- or long term. Assess material properties, mechanical tests and quality control tests for, concrete, masonry, glass, plastics, iron and steel, paints and protective coatings, bituminous products, gypsum products, resilient flooring, and carpeting. Appraise appropriateness and sustainability of materials for construction projects. Select the sustainable materials based on the international standard practices and certification. Explain about innovative sustainable construction materials and their uses in construction.

Head of the Department

Department of Lock Control (1888)

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





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Academic Year:

### DEPARTMENT OF CIVIL ENGINEERING

Staff Development program on "sustainable construction materials and recent innovations in civil

### Attendance Sheet

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14. Please identify any specific priority ar	reas for you that cou	ld be the fe	ocus at fu	ture events.	
15. Other comments THANK YO	U FOR YOUR FEE	DBACK			

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### FEEDBACK FORM -

	CK FORM -					
Date: 4 6 2 1 Ex	vent Name <u>Serg</u> )	ta î	valle	court i	nnovation	alocia n Civi
This survey enables you to provide feedback just attended. [Insert appropriate questions rel Please indicate the extent to which you agree	on the value and	luo ti ol	icomes ( nform ye	or the eve our evalu	ation)	·····
	Excellent		ery ood	Good	Satisfactory	Poor
Information provided at this event is relevant to you						
2. You are likely to use this information in						Poor
the future	Excellent		Very good	Good	Satisfactory	roor
3. Resources provided at this event are relevant to you						<u> </u> 
4. You are likely to use these resources in the future						<u> </u>
	Excellen	. 1	Very	Good	Satisfactory	Poor
<ul><li>5. Presentations were interesting</li><li>6. You would recommend this event to</li></ul>			good			
others						
7. There were opportunities to network with	Exceller	)t	Very good	Good	Satisfactory	Poor
other stakeholders						
8. Overall, the event was worthwhile	Excellen	1	Very good	Good	Satisfactory	Poor
9. The venue was suitable		1				
10. The venue was easy to get to						
11. Refreshments were suitable						
12. What are the two most useful things you out of the event?	ou got					
13. How could the event be improved?						

- 14. Please identify any specific priority areas for you that could be the focus at future events.
- 15. Other comments

THANK YOU FOR YOUR FEEDBACK



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### DEPARTMENT OF CIVIL ENGINEERING

## 5 day Staff Development program on "SUSTAINABLE CONSTRUCTION MATERIALS AND RECENT INNOVATIONS IN CIVIL ENGINEERING" Event schedule

Date	10.00 AM to 1.00 AM	1.00 to 2.00PM	2.00 PM to 4.00 PM
7/6/2021	Session E:Concepts of Water Proofing Resource Person: Mr.Chaitanya	Lunch	Session 2: Self-healing Concrete Resource Person: Mr.Naveen
8/6/2021	Session 3: Recycled Plastic Resource Person: Ms.ramya	Lunch	Session 4: Modular Construction Resource Person:
9/6/2021	Session 5: identify potential safety hazards. Resource Person: Mrs.babitha	Lunch	Session 6: Reclaimed Bricks Resource Person: Mr.bhaskar
10/6/2021	Session 7: smart buildings with embedded sensors Resource Person: Mr.Ajit Sabnis	Lunch	Session 8; wind induced vibration & control.  Resource Person: Mr. Chaitanya
11/6/2021	Session 9: smart dynamic concrete Resource Person:Mr.govardhan	Lunch	Interactive session., Feedback and Valedictory Function

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

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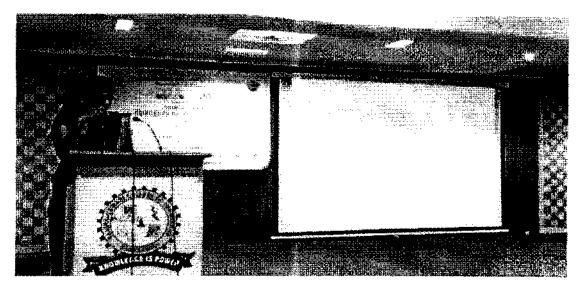
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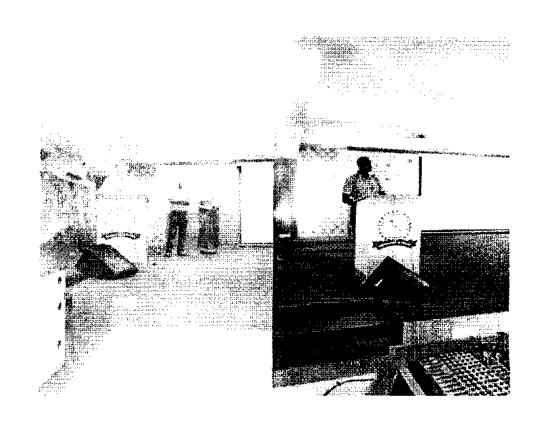
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(Affiliated to the Visvesvaraya Technological University, Belgaum) #14, Ramohalli Cross, Kumbalagodu, Mysore Road, Bengaluru- 560074.



# DEPARTMENT OF CIVIL ENGINEERING CERTIFICATE

This is to certify that Mr/Ms/Dr/Mrs SHARADAS of RRCE BANGLORE has successfully completed the 5-DAY SDP ON SUSTAINABLE CONSTRUCTION MATERIALS AND RECENT INNOVATIONS IN CIVIL ENGINEERING from 7/6/2021 to 11/6/2021.

HOD

Dr.V Ramesh

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Principal Dr. T.Chandrashekar