



STTP- Sanction Letter

Ref. No. 34-65/123/RIFD/STTP/Policy-1/2018-19

Date _____

To

The Drawing and Disbursing Officer,
All India Council for Technical Education,
Nelson Mandela Marg,
Vasant Kunj, New Delhi – 110070

Sub: Release of grant for conduct of Short Term Training Programme (STTP) under AQIS 2018-19 during the financial year 2019-20- reg.

Sir,

This is to convey the sanction of the Council for payment of **Rs. 300000 /- (Rupees Three Lakh Only)** for conduct of Short Term Training Program as per details given below:-

| | | |
|----|---|--|
| 1. | Name and address of the beneficiary University / Institution | SRI VENKATESWARA COLLEGE OF ENGINEERING , POST BAG NO 3, PENNALUR, SRIPERUMBUDUR, TAMIL NADU PIN - 602 105 KANCHIPURAM-602105 Tamil Nadu |
| 2. | Permanent ID of Institute | 1-2492131 |
| 3. | Institute type | Unaided - Private |
| 4. | Name of Coordinator | Dr. JOTHILAKSHMI PARAMASIVAM |
| 5. | Amount sanctioned | Rs. 300000/- |
| 6. | Amount to be released | Rs.300000/- Full & final payment |
| 7. | Head of account | 601.15(a) Gen. Short Term Training Programme (Plan) |
| 8. | The authorized officer in whose favour Cheque/ Demand Draft/ RTGS is to be made | REGISTRAR / DIRECTOR / PRINCIPAL |
| 9. | Title of the programme | Recent Advancements of Computational Electromagnetics in Modern Microwave Antennas |

1. The amount of the grant shall be drawn by the Drawing and Disbursing Officer, All India Council for Technical Education on the grant-in-aid bill and shall be disbursed to and credited to the Registrar/ Director/Principal of the institute through RTGS.

2. This grant-in-aid is being released in conformity with the terms & conditions as well as norms of the scheme as already communicated, and also being communicated in this letter.
3. The Principal of the Institute and the Coordinator of the Program are requested to verify the correctness of the under-mentioned Bank Account / RTGS Details submitted by them alongwith the proposals, in which the grant is being released:-

| Institute PAN No. | Bank Name | Bank Branch Name | Bank Branch Address | Account Holder Name | Account Type | Account Number | IFSC Code |
|-------------------|--------------------|-------------------|----------------------------------|---|-------------------|----------------|-----------------|
| AAATS2327 L | INDIA N BANK | Sriperumbudu r | Gandhi road Sriperumbudu r | PRINCIPAL, SRI VENKATESWAR A COLLEGE OF ENGG | Saving Account | 46730233 1 | IDIB000S08 0 |

Instructions/Guidelines to be followed by the University/Institution

I. Disbursement of funds to University/Institutions

- a. The full amount of the grant sanctioned is being released as advance to the University/Institute.
- b. The amount spent by the institute on the conduct of STTP shall be adjusted on the basis of utilization certificate and detailed expenditure statement submitted by the University/Institution on the prescribed format along with other mandatory documents viz feedback form, copy of proceedings and completion report etc.
- c. The above said amount of grant shall be refunded back to AICTE if the Letter of Approval (LOA) / Extension of Approval (EOA) is not issued by AICTE to the institute for the academic year 2019-20.

II Maintenance of Accounts

- a. The Institute shall strictly follow the provisions laid down in the scheme document as available on the portal.
- b. Funds covered by this grant shall be kept separately and would not be mixed up with other funds so as to know the amount of interest accrued on the grant.
- c. The University/College/Institute shall maintain proper accounts of the expenditure out of the grants, which shall be utilized only on approved items of expenditure.
- d. The grant is intended to cover items of expenditure connected with the Short Term Training Programme such as Boarding & Lodging to the participants, TA to outstation participants, Honorarium to Course Coordinator, reading material to participants, Honorarium to resource persons, TA/DA to resource persons including two outstations resource persons & working expenses (reprographic services, postage, transport, daily wages, tea/coffee etc.

III. Conduct of test and issuance of certificate

A test shall be conducted by Program Evaluation Committee (PEC) at the end of the program and the certificates shall be issued to those participants who have attended the program and have qualified in the test.

IV. Submission of Documents by the University/Institutions to AICTE

a. The following mandatory relevant documents are required to be submitted by the University/Institution within one month of the completion of the program:-

(i) Original Statement of actual expenditure & Utilization Certificate in the prescribed proforma duly signed by the Head of the institution and countersigned by Registrar/Finance Officer/Govt. Auditor. In case of self-financing/private institutions, Statement of actual Expenditure & Utilization Certificate are required to be audited & signed and sealed by a Chartered Accountant endorsing the membership number and complete postal address. Format for the same is available on AICTE web portal.

The University/Institution is not required to submit bills/vouchers/invoices etc for the expenditure incurred out of recurring grants. However, such copies of bills/vouchers/invoices shall be digitized by respective institutions receiving grant and uploaded scanned copies of such bills/vouchers/invoices etc on the portal for availability and view at any point of time.

(ii) Feedback form in the prescribed proforma.

(iii) Copy of the proceedings and completion report.

(iv) List of candidates who have successfully completed the program on the basis of the test conducted by Program Evaluation Committee (PEC).

(v) Report submitted by Program Evaluation Committee (PEC).

b. The amount of the grant shall be adjusted on submission of utilization certificate & detailed expenditure statement by University/Institution. On receipt of these documents, the total amount of financial assistance, admissible as per the norms, shall be worked out and grant-in-aid adjusted.

V. General instructions

a. **Preferably 10% of the participants may be industry professionals deputed by industry. Further, not more than 2 participants shall be from the host institution/group of institutions.**

b. **Money to be reimbursed on the grant (for any reasons to include unspent amount, interest , penalty if imposed) shall be refunded back to AICTE in the form of Demand Draft payable to Member Secretary, AICTE, New Delhi.**

c. **As AICTE needs adequate time for depositing the Demand Draft in the bank, the same be immediately dispatched to avoid any lapse of the validity period.**

d. **The STTP is a residential program of a duration of six days with minimum 40 participants.** The approved STTP shall be conducted within three months from the date of release of funds.

e. **If programme is not conducted in the period of three months of the issuance of this Sanction Order, the released amount, alongwith interest accrued thereon, has to be necessarily returned back to AICTE within a month.**

f. The expenditure under the Heads '**Honorarium to Course Coordinator**' and '**Honorarium to Resource Persons**' shall not exceed **1% & 20% respectively** of

the total sanctioned grant for the Programme. However, overall expenditure shall not exceed the funds sanctioned for the Programme.

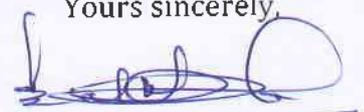
- g. Any extra money required to complete the programme must be borne by the institute from their own resources. But the quality of the activities should not be compromised.
- h. Any unavoidable circumstantial change in the program with respect to name of Project Coordinator, Venue and date for organizing STTP would mandatorily require prior approval of the Council. All such requests should be addressed to AICTE, in advance, recording the specific reasons for proposed changes, failing which the offer for the grant already issued would be treated as automatically withdrawn and the financial assistance released in favour of the beneficiary institution shall be refunded immediately to the Council. Kindly mention the File No. 34-65/123/RIFD/STTP/Policy-1/2018-19 in your future correspondence.
- i. **Program Evaluation Committee (PEC)** is required to be constituted at institutional level. The constitution of the PEC shall be as under:
- (i) Principal/Director/Registrar of the institution (Chairperson).
 - (ii) Coordinator of the program (Member Secretary).
 - (iii) Two HoDs and one subject expert (members).

The members of the said PEC shall not be below the rank of Associate Professor. A test shall be conducted by Program Evaluation Committee (PEC) at the end of the program and the certificates shall be issued to those participants who have attended the program and have qualified in the test. The minutes of the meetings, along with PEC report, are to be submitted to the Council at end of the program along with other mandatory documents.

- j. **GoI GFR rules** (@<https://doe.gov.in/order-circular/general-financial-rules2017-0>) should be followed during utilization of grant.
- k. This Sanction Order may be treated as Offer Letter for all purposes.

NOTE:- Any deviation from the above will invoke serious action against the Institute.

Yours sincerely,



(Dileep N Malkhede)
Advisor-I (RIFD)

12 DEC 2019

Copy forwarded for information and necessary action to: -

1. Name and Address of the Coordinator

Dr. JOTHILAKSHMI PARAMASIVAM
SRI VENKATESWARA COLLEGE OF ENGINEERING
POST BAG NO 3, PENNALUR, SRIPERUMBUDUR, TAMIL NADU PIN - 602 105
CHENNAI 602105 Tamil Nadu

2. The Registrar / Director / Principal

SRI VENKATESWARA COLLEGE OF ENGINEERING
POST BAG NO 3, PENNALUR, SRIPERUMBUDUR, TAMIL NADU PIN - 602 105
CHENNAI 602105 Tamil Nadu

3. Guard File

Programme Brochure-Phase II

REGISTRATION FORM

Six Days Online Short Term Training Programme (STTP)
On

**"Recent Advancements of
Computational Electromagnetics in
Modern Microwave Antennas"**

Name : _____

Designation : _____

Department : _____

Institute/Organization : _____

Qualification : _____

Experience in years : _____

Teaching : _____ Research : _____

Industry : _____

Aadhaar No: _____

Address : _____

Whatsapp Number : _____

E-Mail Address : _____

Signature of the participant
Participants need to fill this registration form and upload the scanned copy in PDF format in the below registration link.

Registration Link

<https://forms.gle/eQhQ9LCNk9gLPFyn6>

Last date for Registration: **09 October 2020**

Address for Communication:

Dr.P.Jothilakshmi
Professor-Department of ECE,
Sri Venkateswara College of Engineering,
Sriperumbudur Tk. - 602117, Tamil Nadu.
E-Mail id: aicesttpece@svce.ac.in

www.svce.ac.in

Chief Patron

Dr. M Sivanandham
Secretary, Sri Venkateswara Educational and Health Trust (SVEHT)

Patron

Dr. S Ganesh Vaidyanathan
Principal, SVCE

Convenor

Dr. S Muthukumar
Professor & Head of ECE, SVCE

Organizing Committee

Ms.K.Srividhya, AP/ECE.

Mr.S.Senthil Rajan, AP/ECE.

Mr.P.Muthukumar, AP/ECE

Ms.B.Hemalatha, AP/ECE.

Ms.C.Gomatheeswari Preethika, AP/ECE.

Mr.N.Sathish, AP/ECE.

Eligibility

This STTP is open to faculty members of AICTE approved Institutions, Research scholars and persons from industry and R&D organizations from all over country.

Registration Fee *NIL*

Online meeting link will be sent through Whatsapp/E-Mail.

The number of participants will be limited to 100.

***Note:** E-Certificates will be provided to those participants who attend all the sessions of the programme and clear the online exam as per the norms of AICTE.

Sri Venkateswara College of Engineering

(Autonomous- Affiliated to Anna University)
Post Bag No.1, Pennalur Village,
Chennai - Bengaluru Highways,
Sriperumbudur Tk. - 602117.
Tamil Nadu, India
www.svce.ac.in



AICTE Sponsored



SIX DAYS ONLINE SHORT TERM TRAINING PROGRAMME (STTP) Phase - II

on

**"Recent Advancements of
Computational Electromagnetics in
Modern Microwave Antennas"**

12th-17th October 2020

COORDINATOR

Dr. P. Jothilakshmi

*Professor
Department of Electronics and
Communication Engineering*

Organized by

**Department of Electronics &
Communication Engineering**

Programme Brochure-Phase II



About the college

Sri Venkateswara College of Engineering (SVCE) is one of the pioneer institutions in offering engineering education, excelling since 1985. The college received an Autonomous status during 2016. All B.E./B.Tech and M.E./M.Tech programmes are affiliated to Anna University, Chennai. A major objective of this institution is to plan and implement a programme of education in Engineering and Allied Sciences to promote research, to disseminate knowledge, and to foster cooperation and exchange of ideas between the academic community and industrial organizations and to develop entrepreneurship skills among students. The college always strives to achieve academic excellence along with the harmonious development of the personality of students.

About the ECE Dept

Established in the year 1985, the department of ECE offers Under Graduate programme in Electronics and Communication Engineering with the strength of around 750 students guided by a team of devoted and diligent faculty members. Our UG programme is NBA accredited since April 2002. The department also offers a PG programme in Communication Systems with students intake of 25 from the academic year 2002-03. The department provides excellent academic and research environment to the UG, PG and research scholars. The department is recognized by Anna University, Chennai as an approved research center and around 60 research scholars pursue doctoral studies through our research center. The department is well equipped with state of the art laboratory facilities with softwares like Tanner Tools, Lab View, CST, ADS, IE3D, MATLAB and Math CAD, etc.,

The faculty members are involved in research in the areas of as RF & Microwave, Antenna Engineering, Digital Signal Processing, Wireless Communications, VLSI and Embedded systems etc. The department bagged high valued funded projects from prestigious organizations such as ISRO, AICTE, DRDO, and TNSCST, etc.,

About the STTP

Computational Electromagnetics (CEM) is young and growing domain, expanding because of steadily increasing demand for the design and analysis of electromagnetic systems. Accurately predicting the behavior of these systems is a key element in developing novel applications. Computational Electromagnetics (CEM) is necessary to the design, modeling of antenna, radar and other communication systems including the suitable antennas for mobile phones.

Note: The conduct of the STTP with the same theme is planned in three different phases viz., the basic concepts and fundamentals were covered in the first phase. The current technologies and applications will be covered in the second phase and futuristic trends and challenges will be covered during the third phase. The dates for the final phase of STTP will be informed later.

Objective of the STTP

The prime objective of this STTP is to provide wide exposure to emerging topics in Computational Electromagnetics, its fundamentals and the design of modern microwave antennas to teaching community. This programme enables the faculty members in the field of technical education to introspect and learn techniques that can help for preparing students to ensure their active and successful participation in knowledge society.

Resource Persons

Dr. D.C. Pande

Former Director (LRDE - DRDO),
Scientist 'H' (retd), Distinguished Fellow,
Electronics and Radar Development Establishment.

Prof. Ravi Kumar Gangwar

Associate Professor,
Indian Institute of Technology (ISM), Dhanbad.

Mr. V. Jitesh

Scientist E, LRDE DRDO, Bangalore.

Dr. Pramod P. Bhavarthe

HoD and Associate Professor,
Department of Electronics and Telecommunication
Engg., Padmabhushan Vasantdada Patil Pratishthan's
College of Engineering, Mumbai.

Dr. K. Meena Alias Jeyanthi

Professor, ECE Department,
PSNA College of Engineering and Technology,
Tamilnadu.

Dr. P. Jothilakshmi

Professor, ECE Department,
Sri Venkateswara College of Engineering, Chennai

Mr. S. Senthil Rajan

Assistant Professor, ECE Department,
Sri Venkateswara College of Engineering, Chennai.

Ms. B. Hemalatha

Assistant Professor, ECE Department,
Sri Venkateswara College of Engineering, Chennai.

Dr. V. Janardhana

Director, Step Electronics, Bangalore

Mr. Suraj Gawande

Senior Engineer, Application Engineering Team,
DesignTech Systems Pvt. Ltd, Pune.

Mr. Rijin Saseendran

Industry Process Consultant, Dassault Systems.

Ms. Soundarya Venkatesan

Sr. Application Engineer, EM Solutions, Altair India.

Dr. Nijas Kunju,

Sr. Application Engineer, Ansys India.



Programme Flyer-Phase II

Sri Venkateswara College of Engineering
 An Autonomous Institution - Affiliated to Anna University
 Sriperumbudur Tk - 602 117

AICTE Sponsored
SIX DAYS ONLINE SHORT TERM TRAINING PROGRAMME (STTP)
Phase-II
 on
"Recent Advancements of Computational Electromagnetics in Modern Microwave Antennas"
 12th-17th October 2020

| | | | |
|---|--|---|--|
|  Dr. D.C. Pande Former Director (LRDE - DRDO) |  Prof. Ravi Kumar Gangwar Associate Professor IIT(ISM), Dhanbad |  Mr. V. Jitesh Scientist E, LRDE DRDO Bangalore |  Dr. Pramod P. Bhavarthe HoD & Associate Professor PVPPCOE, Mumbai |
|  Dr. K. Meena Alias Jayanthi Professor PSNACET Tamilnadu |  Dr. P. Jothilakshmi Professor SVCE, Chennai |  Ms. B. Hemalatha Assistant Professor SVCE, Chennai. |  Dr. V. Janardhana Director, Step Electronics, Bangalore |
|  Mr. Suraj Gawande Senior Engineer, DesignTech Systems Pvt.Ltd, Pune. |  Mr. Rijin Saseendran Industry Process Consultant Dassault Systems. |  Ms. Soundarya Venkatesan Sr. Application Engineer EM Solutions, Altair |  Dr. Nijas Kunju, Sr. Application Engineer Ansys |

Organized by
Department of Electronics & Communication Engineering
 ORGANIZING COMMITTEE

COORDINATOR
 Dr. P. Jothilakshmi, Professor, ECE

Ms.K.Srividhya, AP/ECE
 Mr.S.Senthil Rajan, AP/ECE
 Mr.P.Muthukumaran, AP/ECE

Ms.B.Hemalatha, AP/ECE
 Ms.C.Gomatheeswari Preethika, AP/ECE
 Mr.N.Sathish, AP/ECE

Programme Invitation-Phase II

SRI VENKATESWARA COLLEGE OF ENGINEERING



(Autonomous-Affiliated to Anna University)
Pennalur, Sriperumbudur Tk – 602117



DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Solicits your esteemed presence for the

INAUGURAL FUNCTION
Of
AICTE Sponsored
Online Short Term Training Program
PHASE II
On

RECENT ADVANCEMENTS OF COMPUTATIONAL ELECTROMAGNETICS IN MODERN MICROWAVE ANTENNAS

**EM MODELLING – THE PAST, PRESENT, FUTURE AND
THE CHALLENGES AHEAD**

By

Dr. D C Pande
Former Director, Scientist 'H' (retd),
Distinguished Fellow,
(LRDE) DRDO, Bangalore

Date: 12/10/2020

Time: 10.00 AM

ALL ARE CORDIALLY INVITED

Programme Schedule-Phase II



AICTE Sponsored
Online Short Term Training Program (Phase II)
On
RECENT ADVANCEMENTS OF COMPUTATIONAL ELECTROMAGNETICS IN MODERN
MICROWAVE ANTENNAS

12th - 17th October 2020

Organized by

SRI VENKATESWARA COLLEGE OF ENGINEERING
Department of Electronics and Communication Engineering

PROGRAMME SCHEDULE



| Date/Time | 10.00 AM – 12.00 Noon | 2.00 PM - 4.00 PM |
|------------|--|---|
| 12.10.2020 | Inaugural and Keynote Address EM Modelling – The Past, Present, Future and the challenges Ahead Dr. D C Pande Former Director, Scientist 'H' (retd), Distinguished Fellow, (LRDE) DRDO, Bangalore | Fundamentals of Computational Electromagnetics Techniques Mr. V Jitesh Scientist E, LRDE, DRDO, Bangalore |
| 13.10.2020 | Mathematical Modelling and Plotting of Reflection Phase Diagram of an EBG Structures Dr. Pramod P. Bhavarthe HoD and Associate Professor, ECE Department, Padmabhushan Vasantdada Patil Pratishthan's College of Engineering, Mumbai. | Modern Antenna Design using CST Studio Suite Mr. Rijin Saseendran Industry Process Consultant, Dassault Systems |
| 14.10.2020 | Antenna Design and Placement for Electrically Large Structures Ms. Soundarya Venkatesan Sr. Application Engineer, EM Solutions, Altair India. | Antenna Design using MATLAB Mr. Suraj Gawande Senior Engineer, Application Engineering Team, DesignTech Systems Pvt.Ltd, Pune. |
| 15.10.2020 | Dielectric Antenna Resonator Prof. Ravi Kumar Gangwar Associate Professor, Indian Institute of Technology (ISM) Dhanbad | Challenges in Wearable Antennas and Biomedical EM Simulation Dr. Nijas Kunju Sr. Application Engineer, Ansys India. |
| 16.10.2020 | Basics of Antenna Measurement Dr. K. Meena Alias Jeyanthi Professor, ECE Department, PSNA College of Engineering and Technology, Tamilnadu. | Design and Modelling of Phased Array Antenna Dr. V Janardhana Director, Step Electronics, Bangalore |
| 17.10.2020 | 10.00AM-11.00AM Design Challenges and Applications of Special Antennas Dr.P.Jothilakshmi Professor, ECE Department Sri Venkateswara College of Engineering, Chennai | 11.00AM-12.00 Noon Reconfigurable Antennas Ms.B.Hemalatha Assistant Professor, ECE Department Sri Venkateswara College of Engineering, Chennai |
| | Test, Feedback and Valedictory Function | |

Coordinator

HOD-ECE

Dr. D.C. Pande (Scientist-H)

Dr. D C Pande, Former Outstanding Scientist, Electronics & Radar Development Establishment (LRDE), received his Bachelor and Master Degrees in Electronics from Garhwal University, in 1974, 1976 and Ph. D in Applied Physics from University of Allahabad in 1982 respectively.

Since 1981 with LRDE, (DRDO), MoD, India, where he was involved in the Design & Development of Electromagnetic Interference Control Techniques for Ground Based, Airborne and Ship-borne equipment and systems.

He had started research activities in the field of Nuclear electromagnetic pulse (NEMP) and High-Power Electro-Magnetics (HPEM) in India. Besides, he was involved in the Electromagnetic Design of various Radar Systems, Combat Aircraft and other Combat Vehicles of the country.

He was also involved in design, development and evaluation of various types of antennas for many Radar programs of DRDO. He is the principal Scientist who has designed the NEMP hardened C⁴I facilities in India.

He is a founder life member of Society of EMC Engineers, India [SEMCE(I)] and he is the Chairman of the Society since 2010. He is also the Chairman of IEEE EMC Society Bangalore Chapter.

He is a Fellow of IETE and Chairman IETE Bangalore Chapter; Senior Member of IEEE (MIT, A&P, EMC); a life member of Society of Electronic Engineers India (SEE); a life member of Vacuum Electronic Devices & Application Society (VEDAS); an Associate member of 'dB Society', USA; a member of Aeronautical Society of India; and a member of Antenna Test & Measurement Society (ATMS) of India.

He was awarded "Certificate of Achievements" by SUMMA Foundation of USA in 1989, "Commendable Certificate Integrated Guided Missile Development Programme (IGMDP) in 1990, "M N Saha Memorial Award" of IETE in 1994, "EMC Engineer of the Year 1998" of SCEMCE (India), "Lab Scientist of the Year 2003" and "National Science Day Award of 2004"

by DRDO,, “DRDO Scientist of the Year Award 2005” by Prime Minister in 2006, “DRDO Technology Group Award (2011)”, “Certificate of Achievements” by The Chief of Naval Staff in 2014 and Prof S N Ghosh Award of IETE in 2015. He has been elected to the grade of Fellow by HPEM Fellows Committee, SUMMA Foundation, USA 2016.

Presently he is Dr. Raja Ramana Distinguished Fellow of DRDO.

STTP on Recent Advancements of Computational Electromagnetics in Modern Microwave Antennas Registration Form-Phase II

AICTE Sponsored

SIX DAYS ONLINE SHORT TERM TRAINING PROGRAMME (STTP) on "Recent Advancements of Computational Electromagnetics in Modern Microwave Antennas", 12th-17th October 2020

COORDINATOR

Dr. P. Jothilakshmi

Organized by

Department of Electronics & Communication Engineering

Sri Venkateswara College of Engineering

(Autonomous- Affiliated to Anna University)

Post Bag No.1, Pennalur Village, Chennai - Bengaluru Highways,

Sriperumbudur Tk. - 602117, Tamil Nadu, India

www.svce.ac.in

Email *

nava.kool@gmail.com

Salutation: *

Dr.

Mr.

Ms.

Mrs.

Full Name: *

J NAVARAJAN

Designation: *

- Professor
- Associate Professor
- Assistant Professor
- Research Scholar
- Other: _____

Mobile Number(Whatsapp): *

9884698433

E-Mail Id: *

nava.kool@gmail.com

College/University Name: *

PANIMALAR INSTITUTE OF TECHNOLOGY

City: *

CHENNAI

State: *

TAMILNADU

Upload the scanned copy of Filled in STTP brochure in PDF format: *

 Phase II Brochur...

This form was created inside of Sri Venkateswara College of Engineering.

Google Forms

Report-Phase II

The six days long online Short Term Training Programme (STTP) on "Recent Advancements of Computational Electromagnetics in Modern Microwave Antennas" Conducted by Department of Electronics and Communication Engineering of Sri Venkateswara College of Engineering from 12th to 17th October 2020. This STTP aimed to give exposure to recent advances in the area of Computational Electromagnetics (CEM). It plays a pivotal role in the design, modelling of antenna, radar, and other communication systems including the suitable antennas for mobile phones to the participants.

The inaugural and keynote address was given by Dr. D C Pande, Former Director, Scientist 'H' (retd), Distinguished Fellow, (LRDE) DRDO, Bangalore on 12th October 2020. Welcome address was given by Dr.S.Muthukumar, Professor & Head-Department of ECE. On behalf of the organizing committee, the coordinator of STTP Dr.P.Jothilakshmi, Professor/Department of ECE gave the introductory note about the purpose, objectives and the guidelines that are issued by AICTE for ensuring the successful completion of the event.

The below-mentioned topics were discussed for the knowledge enhancement of our participants with the detailed Live Demo by highlighting the features of various EM simulators such as MATLAB, CST Studio Suite, HFSS, XFDTD, and MATLAB, etc., that are available for carrying out 3D EM Simulation with specific reference to Antenna design.

A presentation with the following outline was discussed:

- ✓ EM Modelling – The Past, Present, Future and the challenges Ahead
- ✓ Fundamentals of Computational Electromagnetics Techniques
- ✓ Mathematical Modelling and Plotting of Reflection Phase Diagram of an EBG Structures
- ✓ Modern Antenna Design using CST Studio Suite
- ✓ Antenna Design and Placement for Electrically Large Structures
- ✓ Antenna Design using MATLAB
- ✓ Dielectric Antenna Resonator
- ✓ Challenges in Wearable Antennas and Biomedical EM Simulation
- ✓ Basics of Antenna Measurement

- ✓ Design and Modelling of Phased Array Antenna
- ✓ Design Challenges and Applications of Special Antennas
- ✓ Reconfigurable Antennas

We have received unconditional support from our resource persons during the event and particularly the efforts taken by them in explaining various Design concepts with required simulations in line with our requirements were remarkable.

Our participants got benefited by attending this informative and much useful STTP. Faculty Members and Research Scholars from other institutions across the country participated with lots of interest. Around 75 participants benefited from these six days long STTP. The participants obtained the required clarifications by having an interactive session and enjoyed thoroughly all the discussions. Participants also enriched their understanding of the EM simulation software and learned with the real-time implementation of various design and modelling principles.

Concluding Remark:

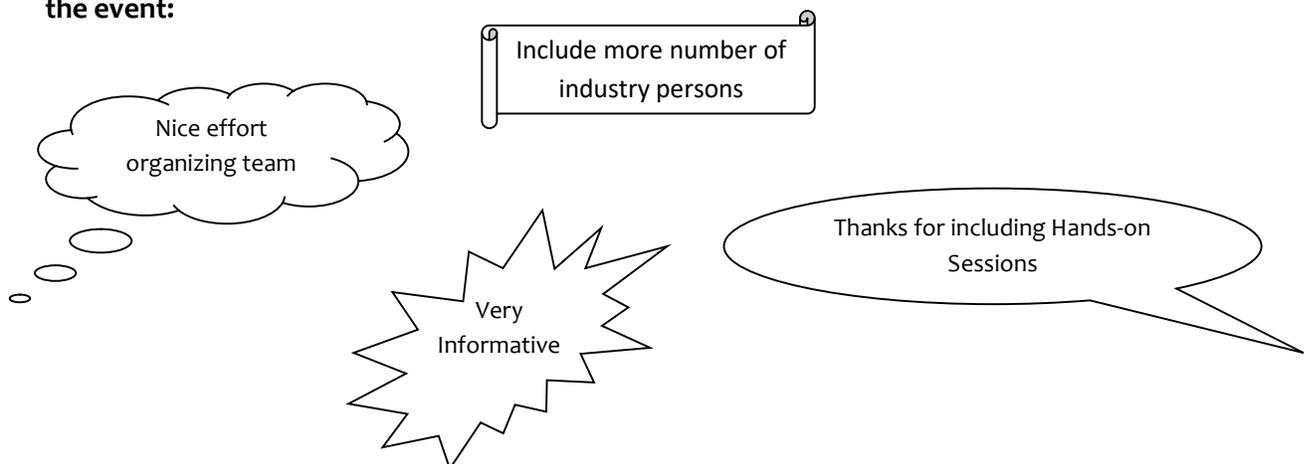
The participants shared their feedback positively about the STTP. All our participants have actively participated in all the session and E-certificates provided to those participants who have cleared the online exam as per the norms of AICTE.

Highlights of the event:

Total Number of Participants Attended: 73

Number of participants received the participation certificates after successfully fulfilling the AICTE test guidelines: 65

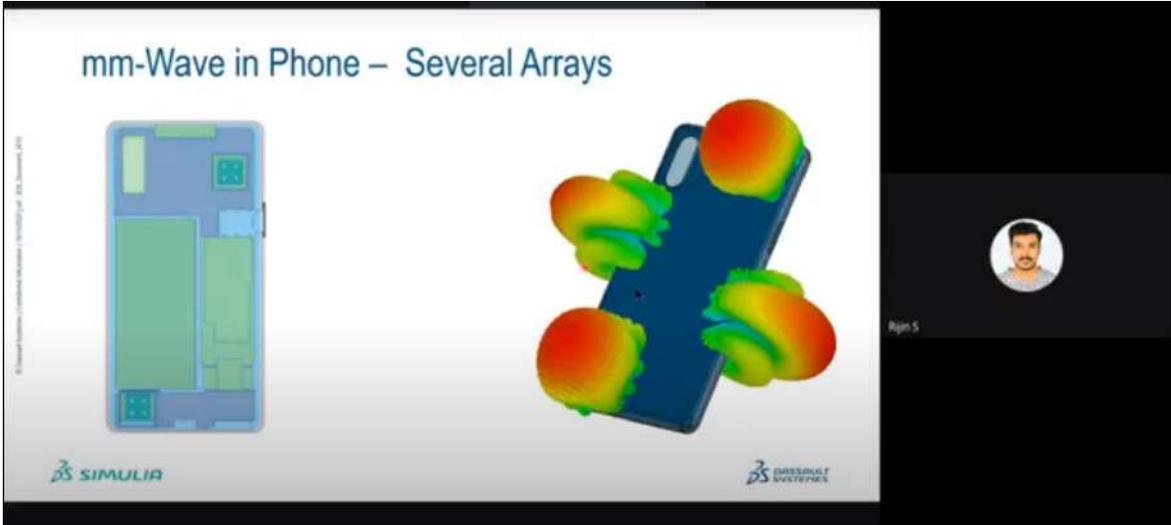
Some of the Specific comments received from our participants after the completion of the event:



Event Photos-Phase II

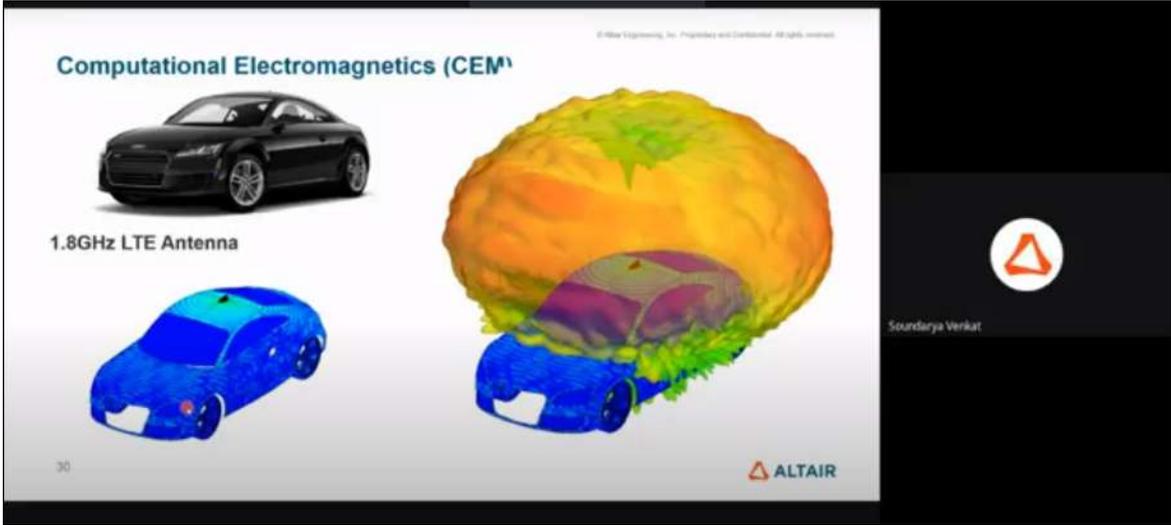


Design Challenges and Applications of Special Antennas
Session by
Dr.P.Jothilakshmi,
Professor, ECE Department, Sri Venkateswara College of Engineering, Chennai.

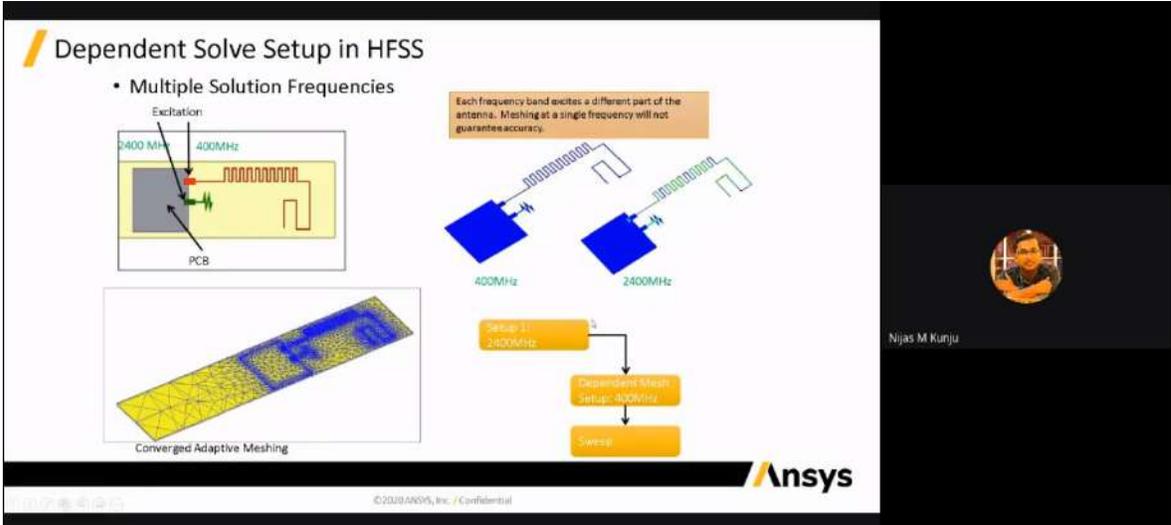


Modern Antenna Design using CST Studio Suite
Session by
Mr. RijinSaseendran,
Industry Process Consultant, Dassault Systems

Event Photos-Phase II



Antenna Design and Placement for Electrically Large Structures
Session by
Ms. Soundarya Venkatesan
Sr. Application Engineer, EM Solutions, Altair India.



Challenges in Wearable Antennas and Biomedical EM Simulation
Session by
Dr. Nijas Kunju
Sr. Application Engineer, Ansys India.

P. J. A.
Coordinator

Dr. Nijas Kunju
HOD-ECE

The following faculty members cleared the test and eligible to get the participation certificate for phase II.

| SL. NO | PARTICIPANT'S NAME | SL. NO | PARTICIPANT'S NAME | SL. NO | PARTICIPANT'S NAME |
|--------|-----------------------------|--------|---------------------------|--------|-----------------------------|
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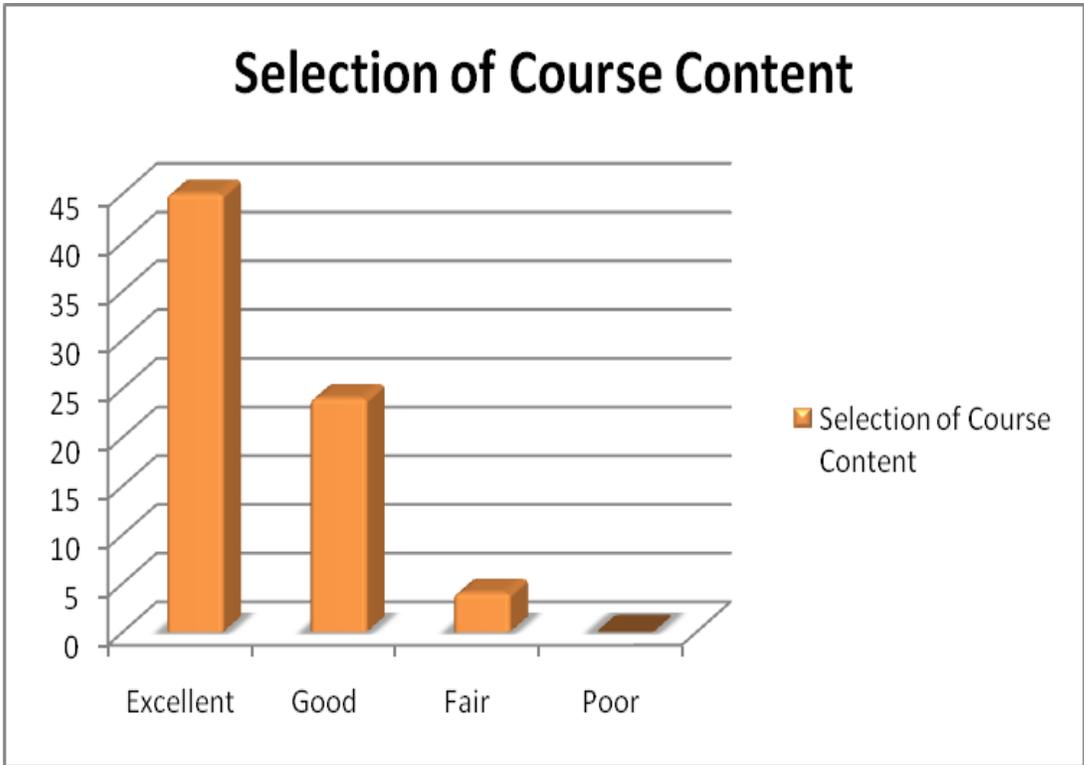
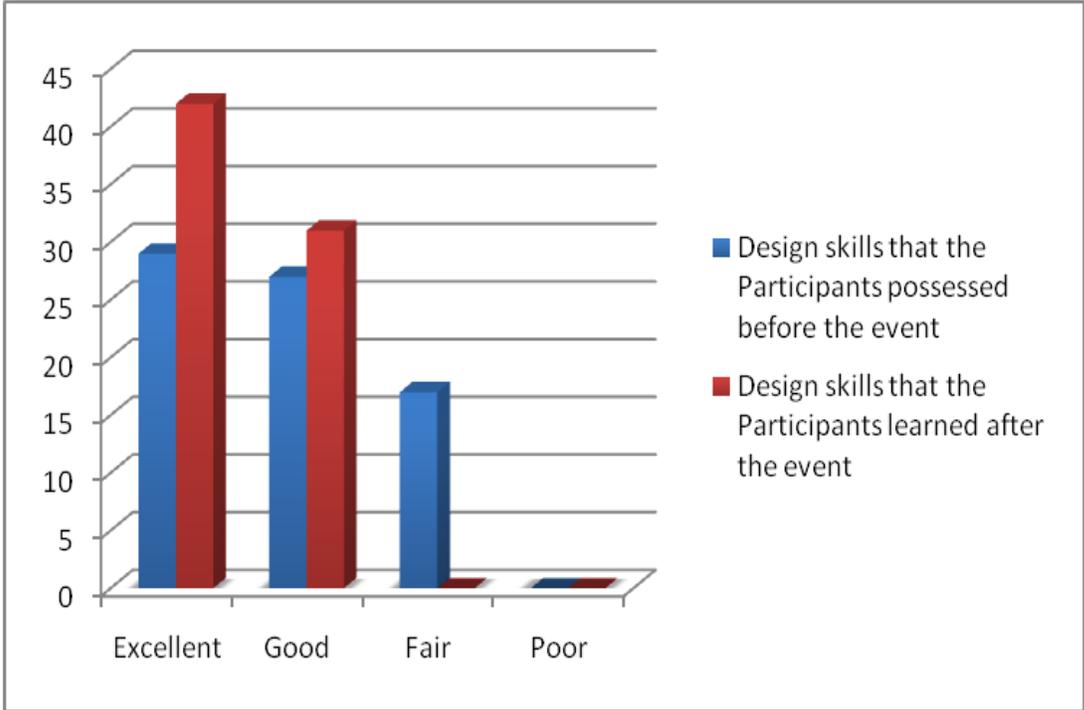

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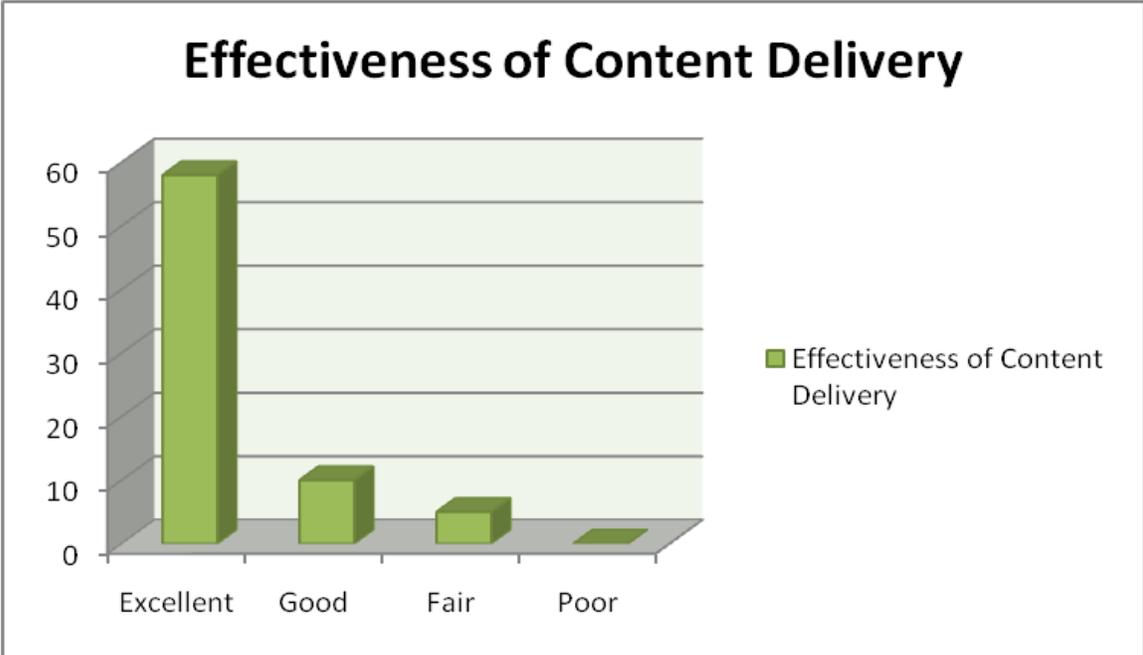
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HOD-ECE

Feedback Analysis-Phase II



Feedback Analysis-Phase II





Sri Venkateswara College of Engineering

An Autonomous Institution - Affiliated to Anna University

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AICTE Sponsored Six Days Online Short Term Training Programme (STTP)

Phase II

Certificate of Participation

This is to certify that

*R Suresh Kumar, Associate Professor
Chennai Institute of Technology*

has attended six days online Short Term Training Programme (STTP) Phase-II on "Recent Advancements of Computational Electromagnetics in Modern Microwave Antennas" organized by Department of ECE, Sri Venkateswara College of Engineering from 12.10.2020 to 17.10.2020.



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