



Visvesvaraya Technological University

“Jnana Sangama”, Belagavi - 590 018.

Prof.A.S. Deshpande B.E.,M.Tech., Ph.D.

REGISTRAR

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Ref No. VTU/VTU/CPGS/2019-20/ 8101

Date: 21 DEC 2019

Circular

Sub: Deputation of faculty for the AICTE – VTU joint Training Program for Teachers in AICTE approved and VTU Affiliated Colleges between 30th December 2019 – 3rd January 2020 at VTU, Centre for Post Graduate Studies, Muddenahalli...reg.

With reference to the above cited subject, this is to inform you that, AICTE– VTU is jointly organizing the Training Program for Teachers in AICTE approved and VTU Affiliated Colleges. The objective of the training programs is to prepare them for being successful in a knowledge society.

As a part of the above, a training program is organized on “An Overview of Teaching Techniques in Finite Element Methods (FEM) ” between 30th December 2019 – 3rd January 2020 at VTU Centre for Post Graduate Studies, Muddenahalli, Chickaballapur (Dist), Karnataka- 562 101.

There will be *no Registration Fee. Free accommodation & food will be provided and TA will be provided for outstation participants as per norms of the program.*

Eligibility:

The Faculty Members who are handling Finite Element Methods (FEM) at UG and PG level are eligible for participating in the Training Program.

Contact Details:

Dr. G.S.Venkatesh
Sri Vinod Kumar .G

Mob: 7760011955
Mob: 9448393524


21.12.19
Registrar

To,
All the Principals of Affiliated / Constituent Colleges

Copy to :

1. The Hon'ble Vice-Chancellor through his Secretary, VTU Belagavi - for kind information.
2. The Registrar, VTU Belagavi - for kind information.
3. The Finance Officer, VTU Belagavi - for kind information.
4. The Regional Director (I/c), VTU, Regional Offices at Bangalore, Belagavi, Mysore & Gulbarga for information

**AICTE-VTU Joint Training Programme for
Teachers from AICTE Approved & VTU
Affiliated Technical Institutions**

One Week Training Programme for Teachers

On

**“An Overview of Teaching Techniques in
Finite Element Methods (FEM)”**

*(A Training Programme for faculty Members of VTU
Affiliated Institutions)*

REGISTRATION FORM

Name: _____

Mobile: _____

Email: _____

Declaration by the Applicant

If selected, I agree to abide by the rules and regulations of
the training programme of VTU-HRDC and shall attend all
the sessions compulsorily.

Date: _____ Signature of the Applicant

Recommended and Forwarded

Signature of the Head of the Institution

CHIEF PATRON

Dr. Karisiddappa

Hon'ble Vice Chancellor, VTU, Belagavi

PATRONS

Dr. Anand S Deshpande

Registrar, VTU, Belagavi

Dr. Satish Annigeri

Registrar (Evaluation), VTU, Belagavi

Mrs. A. Sapna

Finance Officer, VTU, Belagavi

CONVENER

Dr. N Chikkanna

Coordinator, VTU-CPGS, Muddenahalli

Co-CONVENER

Dr. G.S. Venkatesh

Professor & Programme Coordinator, Dept. of Mechanical
Engineering
VTU-CPGS, Muddenahalli

ORGANISING COMMITTEE

Dr. Indumathi T.S., Professor, Dept. of DECS

Dr. Dinesh Rangappa, Professor & Prog. Coordinator, Dept. of NT

Dr. Baswaraj, Associate Professor, Dept. of APT

Dr. Thirtha Prasad H.P., Associate Professor, Dept. of CAE

Dr. Sarika Raga, Assoc. Prof. & Prog. Coordinator, Dept. of DECS

Dr. Shivamuthy G., Asso. Prof. & Prog. Coordinator, Dept. of CSE

Dr. Pankajakshi R, Prog. Coordinator, Dept. of MBA

Dr. H.H. Ramesha, Associate Prof., Dept. of MBA

Dr. Ashwin C. Gowda, Asst. Professor, Dept. of CAE

Mr. Narayanaswamy G., Asst. Professor, Dept. of CAE

Mr. Sanjeev G Palekar, Asst. Professor, Dept. of APT

Dr. Prassana D. S., Asst. Professor, Dept. of NT

Dr. Lokesh S V., Asst. Professor, Dept. of NT

Dr. Kanta D Devanagavi, Asst. Professor, Dept. of MCA

Dr. Roopadharshini S., Asst. Professor, Dept. of MBA

Mrs. Reshma M., Asst. Professor, Dept. of DECS

Mr. Purushotham C J., Asst. Professor, Dept. of MBA

Mr. Lakshminayana K., Asst. Professor, Dept. of MBA

Mrs. Niveditha M U., Asst. Professor, Dept. of MBA

Mrs. Veenarani K., Asst. Professor, Dept. of MBA

Mrs. Renuka Malge, Asst. Professor, Dept. of MCA

Mr. Yadhunaik B H., Asst. Professor, Dept. of MCA

Mr. Vinod Kumar G., Sr. Asst. VTU, Muddenahalli

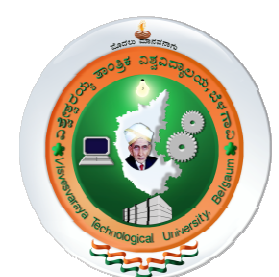
**AICTE-VTU Joint Training Programme for
Teachers from AICTE Approved & VTU
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One Week Training Programme for Teachers

On

**“An Overview of Teaching Techniques in
Finite Element Methods (FEM)”**

30th Dec 2019 – 3rd Jan 2019



Organized By:

**VTU- Human Resource Development Cell (HRDC)
Visvesvaraya Technological University
Centre for Post Graduate Studies
Bengaluru Region, Muddenahalli
Chikkaballapur-562101**

Venue:

**VTU Centre for Post Graduate Studies
Bengaluru Region, Muddenahalli
Chikkaballapur-562101
Seminar Hall**

About the VTU

Visvesvaraya Technological University (VTU) named after Bharat Ratna Dr. Sir M. Visvesvaraya established on 1st April 1998, as per the VTU Act 1994 of the Government of Karnataka. University has been established by the Government of Karnataka in order to promote planned and sustainable development of technical education has its Head Office located in Belagavi in the state of Karnataka. Reckoning the fact that, University is a seat of confluence of knowledge and as a technological University, Visvesvaraya Technological University does not restrict itself only to curricular activities but emphasizes on the overall growth of knowledge in society and hence its campus in Belagavi is named aptly as "Jnana Sangama". The University has jurisdiction over the whole state of Karnataka. VTU has established four regional centers at Bengaluru, Mysuru, Kalburgi and Belagavi for administrative convenience. VTU is one of the prestigious and largest technological Universities in the India having affiliation of 220 Engineering colleges and 20 Autonomous Colleges and one Constituent College.

VTU is imparting technical education to more than 4.5 lakh students under its 35 Undergraduate & 94 Postgraduate Programs. VTU is offering Doctoral programs in 865 departments in various affiliated Colleges which have been recognized as research centers. Around 5000 Research Scholars are perusing for Doctoral and M. Sc. (Engg.) programmes. VTU has established full-pledged Centers for Post Graduate Studies at Muddenahalli, Kalburgi, Belagavi and Mysuru.

About AICTE, New Delhi

All India Council for Technical Education (AICTE) was set up in November 1945 as a national-level apex advisory body to conduct a survey on the facilities available for technical education and to promote development in the country in a coordinated and integrated manner. And to ensure the same, as stipulated in the National Policy of Education (1986), AICTE was vested with:

- Statutory authority for planning, formulation, and maintenance of norms & standards
- Quality assurance through accreditation
- Funding in priority areas, monitoring, and evaluation
- Maintaining parity of certification & awards

About the VTU PG Centre, Muddenahalli

The Visvesvaraya Technological University, Post Graduate Center, Bengaluru Region, Muddenahalli has 200 acres campus located at Muddenahalli, Chikkaballapura (Dist). Muddenahalli is the birth place of great legend Bharata Ratna Sir M. Visvesvaraya. It has all necessary infrastructure required for imparting quality education through its well-structured administrative and academic staff for overall development of student's personality. Center for PG Studies has five full time post graduate programmes in M.Tech, MBA and MCA. All the departments have well qualified faculty.

PROGRAMME OBJECTIVES:

The objective of the AICTE – VTU Training Programme is to conduct training for the faculty members to prepare them for being successful in a knowledge society and fulfill the following important Teaching Techniques in a subject.

- To learn basic principles of finite element analysis procedure.
- To obtain an understanding of the fundamental theory of the FEA method;
- To develop the ability to generate the governing FE equations for systems governed by partial differential equations;
- To learn the theory and characteristics of finite elements that represent engineering structures.
- To learn and apply finite element solutions to structural, thermal, dynamic problem to
- develop the knowledge and skills needed to effectively evaluate finite element analysis.

PROGRAMME OUTCOME:

- Understand the concepts behind formulation methods in FEM.
- Identify the application and characteristics of FEA elements such as bars, beams, plane and iso-parametric elements.
- Develop element characteristic equation and generation of global equation.
- Able to apply suitable boundary conditions to a global equation for bars, trusses, beams,
- circular shafts, heat transfer, fluid flow, axi symmetric and dynamic problems and solve them
- displacements, stress and strains induced.

- To demonstrate the ability to create models for trusses, frames, plate structures, machine parts, and components using FEA general-purpose software;
- To model multi-dimensional heat transfer problems using ANSYS;
- To demonstrate the ability to evaluate and interpret FEA analysis results for design and evaluation purposes;
- To develop a basic understanding of the limitations of the FE method and understand the possible error sources in its use

Resource Persons:

Renowned Experts from reputed Institutions and Senior Faculties of VTU.

Eligibility: Teachers from AICTE Approved and VTU Affiliated Technical Institutes who are handling FEM subject of UG & PG programmes are eligible to participate.

Registration Fee: There is no Registration Fee

Accommodation & Food: Free accommodation and food will be provided for participants

TA will be provided to the outstation Participants as per the norms of the programme on production of Bus/Train Ticket.

How to Apply:

Interested and eligible candidates may apply by submitting the hard copy of the filled in registration format given in this brochure to **The Coordinator, VTU Center for PG Studies, Muddenahalli** and also by sending the scanned copy of the filled in registration form by e-mail to venkateshgs2007@gmail.com on or before **28th Dec 2019**.

Selection of the Participants:

AICTE-VTU Training Programme will be of FIVE Days residential programme with minimum 40 participants. Selection will be on first cum first served basis. Selected candidates will be intimated by e-mail on **28th Dec 2019**.

Contact for Information:

Dr. G.S. Venkatesh Mob: 7760011955
Mr. Vinod Kumar. G Mob: 9448393524

Email: venkateshgs2007@gmail.com