# One Week
# Faculty Development Programme
# On

## "ANSYS"

**7th June to 14th June 2019**

Name:
……..

Designation:
……...

Educational Qualifications:
……...

Institution:
……...

Mobile:
……...

E-Mail ID:
……...

Mode of payment:
……...

Address for Communication……..

…….

Declaration:

The information provided is true to the best of my knowledge. I hereby forward and recommend the above applicants for attending the conference.

**Signature of the Applicant**

**Signature Head of the Institution**

**Chief Patron**

Dr. P. Rajeshwar Reddy, MLC,
Whip, Legislative Council, Govt. of Telangana

**Patrons**

Mrs. S. Neelima, Secretary, AGI
Dr. K. S. Rao, Director, AGI
Prof. M. Mutha Reddy, Dean Examinations, AGI

**Convener**

Dr. R Venkat Reddy, Professor & Head, ME
Dr..M.Mukunda vani,Professor & Head,Chem. Engg

**Co-Conveners**

P. Saritha Assoc Prof M.E
A. Pooja Asst.Prof M..E

**Organizing Secretary**

Mrs.D.Pratibha, Assoc. Professor, ME
Mr. N. Madan Mohan Reddy, Assistant Professor, ME

**Advisory Committee**

Dr. Shaik Shafee, Professor, ME
Dr. S. Madhu, Professor, ME
Dr.P. Ravikanth Raju, Assoc. Professor, ME
Dr. T. Krishnaiah, Assoc. Professor, ME
Dr. V. V. Prathibha Bharathi, Associate Professor
Dr. L Venugopal, Associate Professor
Mr. K. Srinivasa Chalapati, Associate Professor, ME
Mr. Md. Sikindar Baba, Associate Professor, ME
Mr. L. Srinivas Naik, Assistant Professor, ME
Mr. T. Prasad, Assistant Professor, ME
Mr. S. Jush Kumar, Assistant Professor, ME
Mr. M.Rajkumar Reddy, Assistant Professor, ME
Mr. G.Krishna Teja, Assistant Professor, ME
Mrs.Ch.Sravanthi, Assistant Professor, ME
Mrs.A.Neeraja, Assistant Professor, ME
Mr. H. Ameresh, Assistant Professor, ME
Dr.T.Vijaya Kumar, Assistant Professor, Chem. Engg

**One week**

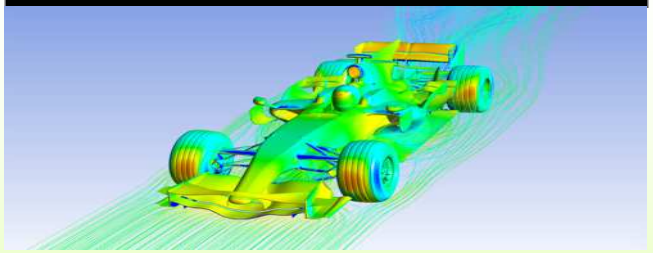
**Faculty Development Programme**

**on**

## "ANSYS"

**7th June to 14th June 2019**

ANSYS®



ANURAG
Engineering Engineers

**Organized by**
**Department of Mechanical Engineering & Chemical Engineering**

## ANURAG GROUP OF INSTITUTIONS
**(Autonomous)**
**Approved by AICTE, New Delhi. & Affiliated to JNTUH, Hyderabad.**
**Website: www.anurag.edu.in or www.cvsr.ac.in**

## About the College

ANURAG GROUP OF INSTITUTIONS (AGI) (formerly CVSR College of Engineering) was established in 2002. The college has 7 B.Tech programmes and 11 M.Tech programmes, MBA and Pharmacy courses. UGC has conferred academic autonomy with effect from 2012-13. AGI is a TCS Accredited Institution. The total strength of the college is around 6000 and is affiliated to JNTUH. As envisioned by the trust, the institution aims to promote quality technical education and build up a new generation of thinkers, innovators and planners in the realm of science, technology and management. Within short span of its establishment, AGI has merged as a pioneer institute in engineering education. Anurag Group of Institutions has received "Best infrastructure award from UNDERGRAD SUMMIT2019" and "Concrete Award from Ultra Tech Cement Pvt. Ltd." in September 2018. Bagged 74th rank in (Top 100 Pvt. Engg. Colleges Category) Times of India Rankings-2018. It is the only Institution where all programs are accredited by NBA. AGI students are well placed in MNC's and core companies like TCS, IBM, TECH MAHINDRA, CYIENT, INFOSYS, CAPGEMINI, AMAZON, TATA PROJECTS, Dr. REDDY'S LABORATORIES LIMITED, AUROBINDO PHARMA

## About Mechanical Engineering Department

The department is established in the year of 2004. It has grown significantly by spreading academic activities in offering Programs at Under Graduate level to 240 students and M.Tech in Machine Design. It has motivated well qualified faculty including 8 professors providing good academic insights. Excellent lab facilities including ROBOTICS Lab and CADM Lab with CNC Machines to provide knowledge on practical applications through various experiments addition to the regular curriculum. The Department has been accredited by NBA New Delhi under Tier-I in the college which is the first institution to be accredited under Tier-I in Telangana state.

The Department offers MOOCS, Value Added Courses (VAC) like Solidworks, Ansys and AutoCAD, Free Open Source Software (FOSS), NPTEL lectures. The Department encourages students to become a member Professional Chapters like ASME, SAE, SMAE, IEI and Technical Clubs like MARK (Mecharriors Automobile & Robotics Klub), CAD Club and FEM Club

## About Chemical Engineering Department

The Department of Chemical Engineering was established in the year 2004 and with consistent performance and it has become one of the best departments in the Telangana region. The Department is re-accredited by NBA (Under Tier-I) in the year 2018. The Department is continuously striving to impart quality education and competitive spirit among students for academic excellence. The department understands real world challenges and helps students to face successfully. The department encourages students to become a members of professional chapters like Indian Institute of Chemical Engineers (IIChE) and ISTE. Every year department organizes a National Level Technical fest "RASAYANIKA" by IIChE-students chapter of Anurag Group of Institutions. It aims at enhancing the thoughts of young engineering students giving them a common platform to enhance and showcase their talents and skills. The department has MOUs with several reputed Industries and National Laboratories. The department has full-fledged laboratories, richly experienced faculty, an equipped state of art simulation tools, the department strives for excellence in academics as well as testing, consultancy and research activities.

## About the Course

The course builds from the big ideas in finite element analysis and computational fluid dynamics to ANSYS case studies that progress from real world applications and examples. ANSYS is the flagship engineering software solution that uses finite element analysis (FEA), which is a numerical and computational method used to solve the real engineering problems related to physics, structural analysis, heat transfer, fluid flow, mass transport, and electromagnetic potential field. To solve the problem, it subdivides a large problem into smaller, simpler parts that are called finite elements and solve the problem by

## Objectives of the Course

- Define engineering problem, developing an approach to research problem and selection of suitable FEA domain.
- Solving engineering situations analytically, drawn from aero/auto domains.
- Improves creativity, that is required by concept designers
- Visualization problems based on logic, process, ge-

## Course Content

- INTRODUCTION TO ENGINEERING SIMULATION
- OVERVIEW OF ANSYS WORKBENCH
- PROBLEM SOLVING IN STRCTURAL ANALYSYS
- PROBLEM SOLVING IN DYNAMIC ANALYSYS
- PROBLEM SOLVING IN THERMAL ANALYSYS
- PROBLEM SOLVING IN HARMONIC ANALYSYS
- OVER VIEW OF TRANSIENT ANALYSYS
- INTRODUCTIO CFD SOFTWARE & FLUENT