JMJ College for women (Autonomous)
TENALI

U.G.C. Sponsored
Two Day National Seminar on
SMART MATERIALS
(MATERIALS OF THE FUTURE)

Nov. 30th & Dec. 1st 2016

REGISTRATION FORM

Name (in capital letters) :_____

_____

Designation :_____

Department :_____

Teaching Experience :_____

Name and Address of University / College :

_____

Contact Phone number :_____

e-mail I.D. :_____

Address for Communication :_____

_____

Please Tick :

(i) I wish to participate in the seminar ( )

(ii) I wish to present a paper ( )

Signature of the Participant

Chief Patron
Rev. Sr. Stella Maris
Correspondent, JMJ College for Women

Patron
Dr. Sr. Shiny K.P.
Principal, JMJ College for Women

Convenor
Dr. G. Saraswathy Devi
HoD. Dept. of Physics
Phone : 08644 - 232207

Organizing Committee

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Dr. V. Venkata Rao, Rtd. Lecturer,
NVR College of Engineering, Tenali

&
HoDs of All Departments

JMJ COLLEGE FOR WOMEN
(AUTONOMOUS) - TENALI
Affiliated to Acharya Nagarjuna University
Re-Accredited by NAAC with 'B' Grade 2.75/4 (3rd Cycle)

U.G.C. Sponsored

ज्ञान-विज्ञान विमुक्तये

Two Day National Seminar on
SMART MATERIALS
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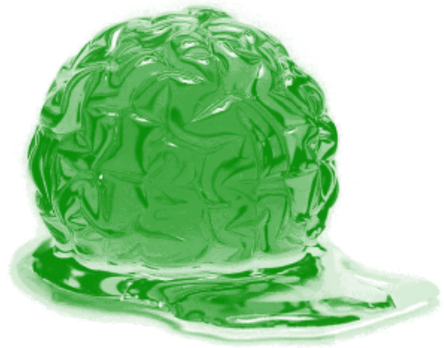

Organised by
DEPARTMENT OF PHYSICS
JMJ College for Women, Tenali

PROFILE OF THE COLLEGE

JMJ College for Women (Autonomous), Tenali is a Catholic Minority Institution founded by the **Society of Jesus Mary Joseph** in 1963, with the primary objective of providing education to the young rural girls, especially belonging to the Christian Community. But it admits other students also irrespective of caste and creed. Its mission is to empower the rural youth and others who are socially and economically backward to serve the society with competence, commitment and compassion.

The college has spacious class rooms, well equipped laboratories, Internet facility, Seminar rooms, Auditoriums, Gym, Play Ground and Excellent Hostels with hygienic conditions. The dedicated Management and the staff are always at the service of the students. The College provides a gamut of services including financial assistance, career guidance, mentoring, remedial coaching, earn while you learn programmes, certificate courses and Career Oriented programmes along with UG & PG courses. These services aim to enhance the students skills and prepare them to face the challenges of the world. There are different quality circles, committees, clubs and cells to organize various curricular, co-curricular and extra-curricular activities for the students.

ABOUT THE SEMINAR

The progress of any nation mainly depends on the policy of science and technology adopted by that nation. Any rich innovation in the field of science can really contribute something to the society only through an ingenious technological application. Advanced studies in the field of material science led to the realization of new materials called smart materials having wide variety of technological applications. Smart materials have one or more properties that can be dramatically altered. They are truly "Smart" or intelligent, integrating information technology with structural engineering and actuation. Smart materials are a new generation of materials having a level of intelligence enabling them to have suitable applications and cover different areas like aerospace, defence, medicine engineering and servel others.

The idea of Smart Material or system and the ongoing research is to realize a system that can mimic living organism. "Smartness" may be intrinsic in some materials or it is generated by certain procedure.

Piezo electric materials, Shape memory alloys, electro-rheological fluids are some of the examples for active smart materials. They can be used as actuators.

A number of reserarch study is in praces on "developing materials with very high capabilities of damage arrest, self healing and thermal mitigation".

A variety of smart materials already exist and are being researched extensively. The number of applications for them is growing steadily. The property that can be altered, influences what types of applications the smart material can be used for.

The objective of the seminar is to create a platform to discuss on "Smart Materials" and to exchange ideas among the Scientists and Scholars. The seminar aims at bringing together the leading scientists and research scholars from all over India to share and exchange their expertise.

SUB THEMES

- Piezo electric materials
- Nano materials
- Thermo Electric materials
- Super conducting materials
- Functional materials
- Structural power materials
- Energy materials
- Magnetostrictive materials
- Luminescent materials
- Energy Materials
- Smart Materials in Medicine
- Smart Materials for Communications
- Shape Memory alloys

FORMAT FOR SENDING ABSTRACT AND PAPER

Full Paper	:	6 pages
Abstract	:	150 to 200 words
Version	:	MS. Word
Font	:	Times New Roman
Font Size	:	12
Line Spacing	:	1.5

INFORMATION FOR PARTICIPANTS

The participants are requested to fill in the enclosed registration form and forward it to **phymeet2016@gmail.com** along with Abstract on or before **20th November 2016.** Full length paper can be submited on or before **25th Nov. 2016.** Selected Papers / Articles will be published in a volume with ISBN for extra payment of Rs. 500/-

CONTACT NUMBERS

Dr. G. Saraswathy Devi : 7382440041
e-mail : sdghantasala@gmail.com
Ms. C.M. Anitha : 9493046837

REGISTRATION FEE :

Delegates	:	Rs. 700/-
Scholars	:	Rs. 600/-
Students	:	Rs. 200/-

Registration Fee can be paid at the time of registration in the college.
TA, DA will not be paid to the participants.