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About Visakhapatnam City

Visakhapatnam with its long sea coast is built along the Bay of Bengal. It was once a small fishing village named after the God of Valour, Visakha. It was once a part of Kalinga empire under Ashoka, and was passed on over to Andhra kings to Pallavas, Cholas and Gangas and finally became a part of Vijayanagar empire. Visakhapatnam is famous for its natural harbour in the world with a temple, mosque and a church located on the same hills overlooking the harbour to symbolize secularism. Light house for navigational purpose situated on a huge rock of 357 meters high which resembles the Dolphin nose is an attraction to the tourists. The largest ship building yard the first of its kind in India is also situated at Visakhapatnam undertaking indigenous building of ships. Towards north of Visakhapatnam there lies an ancient Temple of 11th century, dedicated to Lord Varahanarasimha, one of the Dasavatarams of lord Vishnu. Visakhapatnam is on the threshold of becoming one of the major industrial centres of India. Visakhapatnam Steel Plant, Bharat Heavy Plates & Vessels, Hindustan Zinc, Hindustan Petroleum Corporation Limited, Visakhapatnam Port Trust and National Thermal Power Corporation are some of the public sector enterprises situated at Visakhapatnam serving the Nation. Visakhapatnam also houses Eastern Naval Command of the Indian Navy. Famous seat of learning Andhra University is also located at Visakhapatnam. There are numerous places of visit in and around Visakhapatnam which are unique in Nature. Borra caves (Natural), Araku valley, Rishikonda beach and Kailasagiri are some of the tourist attractions.

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Dr. M. Potha Raju, Registrar, GITAM University Visakhapatnam

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FIRST ANNOUNCEMENT & CALL FOR PAPERS

**INTERNATIONAL CONFERENCE ON
CONDITION MONITORING**

October 26 – 27, 2016
(Under TEQIP-II, S.C. 1.2)

Jointly Organised by:



DEPARTMENT OF MECHANICAL ENGINEERING
GITAM INSTITUTE OF TECHNOLOGY
GITAM UNIVERSITY, VISAKHAPATNAM
(Estd. u/s 3 of UGC Act, 1956)



CONDITION MONITORING SOCIETY OF INDIA
(Regd No. 45061/2003)
VISAKHAPATNAM

About GITAM University

Gandhi Institute of Technology and Management (GITAM), a Deemed to be University located at Visakhapatnam has two off-campus at Hyderabad and Bengaluru. With a multi-disciplinary approach, the University is offering programs at UG, PG and doctoral levels in diverse disciplines such as Technology, Medicine, Architecture, Pharmacy, Science, Management, International Business, Humanities and Law. GITAM is endowed with well qualified faculty numbering over 1100, most of them having research and industrial background. The faculty have been undertaking major research projects with financial assistance from various funding agencies in addition consultancy projects. A Central Research Laboratory was established to facilitate interdisciplinary research in thrust areas such as nano-technology, biotechnology, cancer research, urban development, integrated rural development, climate change and disaster management, etc. The University adopted Choice Based Credit System (CBCS) with focus on employability and flexibility strictly following the UGC guidelines. A proper blend of theory and practice is included in the curriculum to impart hands-on skills to the students. Employability is a major consideration in the design and development of curriculum. The programs offered are job oriented and are specially designed to meet the need for trained personnel in different sectors of the economy. GITAM's high standards are well-recognized by multi-national corporations across the country drawing them to conduct campus interviews on a large scale. The University ensures nearly 100 per cent placements to its graduates. Recognizing the holistic education the University is imparting, MHRD classified GITAM as category 'A' University. NAAC accredited the University with 'A' grade. GITAM Institute of Technology, one of the constituent units of the University, has been sanctioned TEQIP- II program. DST provided financial assistance under FIST programme to seven academic departments in engineering and science colleges. UGC has accorded 12-B status to the University, which has given an added thrust to the research activities.

The **Department of Mechanical Engineering** offers under graduate course in B.Tech (Mechanical Engineering), Post graduate courses in M.Tech (CAD/CAM), M.Tech (Machine Design) & Ph.D. (Full/ Part time) programmes. The Department maintains a close liaison with industries and ensures that students are trained as per industry requirements. The quality of education imparted and the resulting professional competence of the graduates enabled the department to achieve a high record of placement of its graduates in India and abroad.

Condition Monitoring Society of India (CMSI)

Condition Monitoring Society of India (CMSI) is a non-profit professional body and it was established in the year 2003 by a team of scientists, academicians, engineers and maintenance practitioners with an intention to promote and emphasize the importance of condition monitoring in industrial maintenance. The main vision of this society is to guide Indian Industry towards self-reliance and improved productivity through the application and management of condition based maintenance strategies and mission is to develop and propagate the science and utilization of Condition Monitoring for machinery, equipment and systems throughout Indian Industry. The Society intends to disseminate the latest trends in Condition Monitoring to the professionals/practicing engineers/ plant engineers by way of conducting conferences and workshops from time to time. The society also intends to be a common platform for condition monitoring professionals to share their experiences and expertise. The society publishes a newsletter 'MONITOR' to keep the members abreast of the developments in the field. The society has grown rapidly by setting up local chapters of the society at different places all over India. The Society headquarters is located at Visakhapatnam.

In its effort to fulfill the objectives of the society, CMSI conducted various conferences and courses during the past few years such as a 2-day National Conference (NCCM-2006) during Dec. 15-16, 2006 at NSTL, Visakhapatnam, a 4-day short term course on Condition Based Maintenance (CBM-07) during Nov, 19-22, 2007, at GITAM University, a 5-day course, sponsored by AICTE-ISTE during March 16-20, 2009. A 2-day National Conference on Condition Monitoring (NCCM-2009) during Dec, 4-5, 2009, a 2-day International Conference on Condition Monitoring (ICCM-2011) during Feb. 24-25, 2011 at GITAM University Visakhapatnam, National Conference (NCCM-2012) at Pune during Jun. 15-16, 2012, National Conference (NCCM-2013) at IISC, Bangalore during October 4-5, 2013. National Conference (NCCM-2014) at CVRDE, Chennai during December 12-13, 2014 and National Conference (NCCM-2015) at Naval Science and Technological Laboratory (NSTL), Visakhapatnam during Sep 25-26, 2015. All these programs were very well attended and appreciated. Apart from this, a number of workshops, and annual meets were organized by the society and its local chapters. First student chapter of CMSI was launched at Andhra University, Visakhapatnam followed by several student chapters at various colleges since, 2012. GITAM University and CMSI have been jointly organizing the endowment lecture with eminent experts in the field of Condition Monitoring to enhance and enrich the professionals/ practicing engineers/ plant engineers with latest updates on Condition Monitoring. A number of Condition monitoring experts/ practicing specialists from various organizations, institutes and industries have participated in all the events.

Scope of the Conference

As a part of CMSI's endeavor to spread importance of condition monitoring, a two day International Conference on Condition Monitoring (ICCM-2016) will be jointly organized by CMSI and GITAM University during October 26 - 27, 2016. A number of Condition monitoring experts/practicing specialists from various International organizations, institutes and industries are expected to participate in the conference. The conference provides a platform for interaction on State of Art Condition Monitoring strategies being followed worldwide. It also provides an opportunity to deliberate on latest trends in the field of Condition Monitoring. The conference aims to discuss techniques and practices such as Vibration Monitoring, Thermography, Wear Debris Analysis etc., being employed in the industry for predictive maintenance. It would be highly beneficial for maintenance engineers of industries, R&D professionals and academicians working in this field of work.

Call for papers:

ICCM-2016 invites papers related to various disciplines on Condition Monitoring for presentation at the conference and publication in the proceedings of the conference. The papers relevant to diagnosis and rectification of machinery faults with case studies are expected to benefit the participants most. Papers will be peer reviewed before acceptance. A few of the peer reviewed papers may be considered for publication in the Journals.

The items include the following:

- ◆ Maintenance Management
- ◆ Materials and Structural Health Monitoring
- ◆ Condition Monitoring Diagnosis Methods & Technologies
- ◆ Oil/ Wear Debris Analysis / Ferrography
- ◆ Online/ Real time Condition Monitoring Systems
- ◆ Expert Systems/ Neural Networks in Condition Monitoring
- ◆ Vibration Monitoring
- ◆ Infrared Thermography
- ◆ Motor Current Signature Analysis
- ◆ Ultrasonics for Condition Monitoring
- ◆ Tool Wear Monitoring
- ◆ Remote Monitoring & Smart Sensors for Condition Monitoring
- ◆ Case Studies

Important dates:

Submission of Abstract (150 to 200 words)	: 10-06-2016
Acceptance of Abstract	: 20-06-2016
Submission of full papers	: 20-07-2016
Peer review intimation to authors	: 20-08-2016
Submission of camera ready manuscripts	: 30-09-2016

Guidelines for submission of papers:

- Any original contribution/constructive review which is unpublished.
- Experimental investigation with definite conclusions.
- Case studies of industrial importance.
- Simulation studies with practical demonstration/results.
- Design of instruments /system/software
- Abstracts and Camera ready manuscripts to be sent in the soft copy to convenor along with a hard copy.
- At least one of the authors is required to register and attend the conference for presenting the paper.

The format of the paper is specified below:

Paper	: Should not exceed 8 pages (A4 Size)
Margins	: Left (1.5 inch) and Top, Bottom and Right (1 inch)
Font	: Times New Roman
Title	: All caps with 14 point bold;
Author details	: 12 point italics, Sentence case
Abstract	: 11 point Italic with single line spacing to be placed after title and author details
Text	: 12 point normal justified with single line spacing
Para headings	: 12 point bold, sentence case; Line spacing 1.5 lines
Figures	: To be inserted in jpeg / bmp / png format

Note: i) **Commercialism / promotion of products should be avoided.**

ii) **Papers submitted without registering for conference by at least one of the Authors will not be published in proceeding**

Registration fee:

	Indian (INR)	Overseas (USD)
Members of CMSI from Industry	5,000/-	—
Non-members from Industry	7,500/-	150
Non-members from Academia	4,500/-	100
Members of CMSI from Academia & Students/Research Scholars	3,000/-	—

Note:

- i) Institutional Members of CMSI can avail 50% discount on registration fee for a maximum of 3 delegates.
- ii) Manuscripts selected for publishing in **Scopus Indexed Journals** will be charged extra.

Souvenir:

A special souvenir will be published to commemorate the event. This will include information related to the conference, the details of sponsors and the exhibitors. This will be widely circulated among the professionals and the industries in India and abroad. Advertisements are solicited for insertions in the souvenir. The detailed information regarding the Exhibition, sponsorship and the advertisement in the Souvenir can be obtained from the conference Organising Secretary/Treasurer. The D.D./Cheque shall be drawn in favour of **Principal, GITAM Institute of Technology**, payable at Visakhapatnam.

Advertisement rates for souvenir

Page	Indian (INR)	Overseas (USD)
Outside Back Cover	60,000/-	1500
Inside Cover Pages	40,000/-	1000
Special Color Pages	25,000/-	750
Full Page (B & W)	15,000/-	450
Half Page (B & W)	10,000/-	250

Exhibition :

To promote a fruitful industry-research-academic interaction, a technical exhibition focusing the theme "**GLOBAL SOLUTIONS FOR CONDITION MONITORING**" is planned at the conference venue. This exhibition will be open to the galaxy of international and national delegates drawn from industry, research and academic institutions, during the entire period of the conference. For exhibition, the organizing committee will provide stalls of size 8' x 8' with necessary facilities for display/demonstration of the commercial products/services. **Exhibition Fee for Overseas organization is USD 1500 and for Indian organization is INR 60,000/- per stall.** The exhibitor of the stall is entitled for waiver of registration fee for one delegate and for one page B&W advertisement in the Souvenir. Interested organizations/industries are requested to contact the Organising Secretary/Treasurer of the conference for obtaining further details regarding the participation in the Exhibition. The participants in the exhibition are requested to register on or before August 31, 2016.

Accommodation :

A number of decent hotels are located in the city of Visakhapatnam. A detailed list of hotels will be made available on the conference website. Accommodation in these hotels can be booked online or through travel agents. Contact organizing secretaries for further details.

Sponsorship:

	Indian (INR)	Overseas (USD)
Platinum Sponsor	5, 00,000/-	10,000
Golden Sponsor	3, 00,000/-	6,500
Silver Sponsor	2, 00,000/-	4,500
Co-sponsor	1, 25,000/-	2,650

Benefits to Sponsors:

Platinum Sponsor	: Can avail waiver of Registration fee 5 delegates & one full color page advertisement in souvenir & Exhibition stall free of cost.
Golden Sponsor	: Can avail waiver of Registration fee for 3 delegates & one full color page advertisement in Souvenir.
Silver Sponsor	: Can avail waiver of Registration fee for 2 delegates & one full color page advertisement in Souvenir.
Cosponsor	: Can avail waiver of Registration fee for 1 delegate & one full color page advertisement in Souvenir.