NATIONAL SYMPOSIUM ON

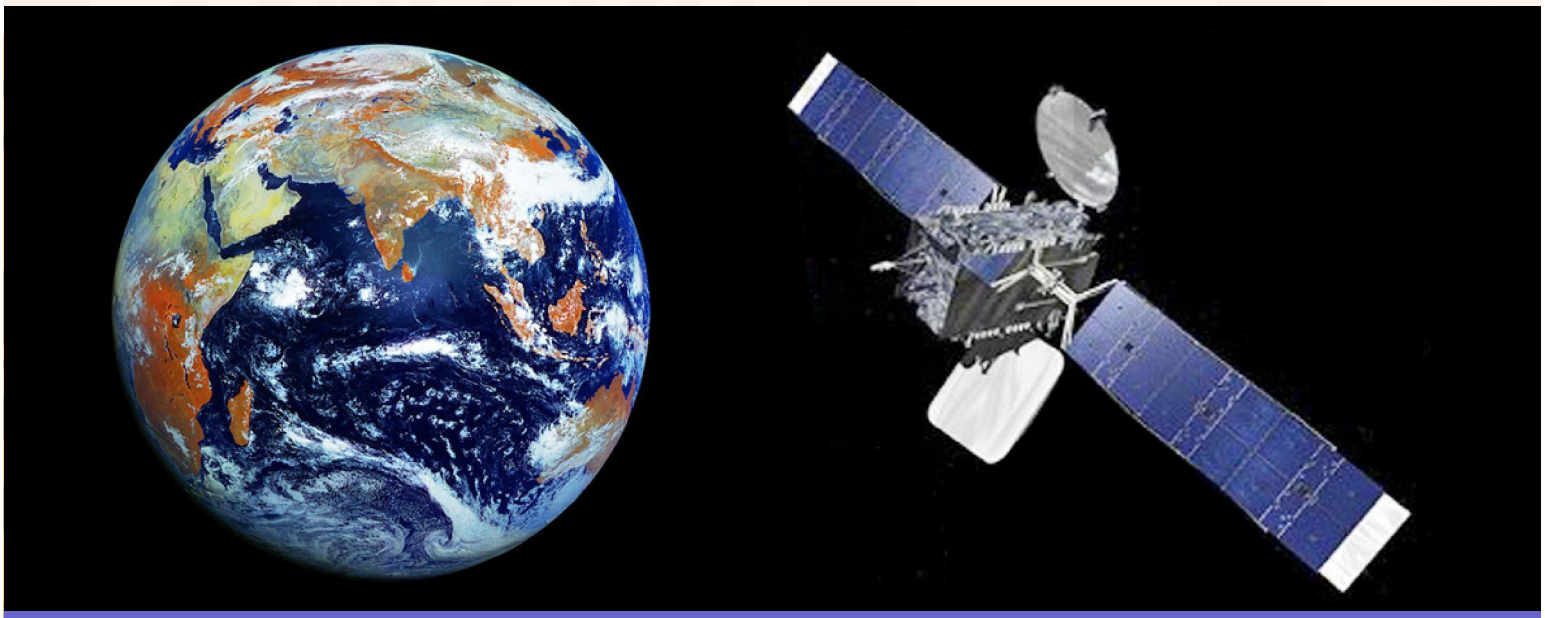
GEOMATICS FOR DIGITAL INDIA

& ANNUAL CONVENTIONS

of

Indian Society of Geomatics & Indian Society of Remote Sensing

December 16-18, 2015, Jaipur, Rajasthan



HOSTED BY...

JK Lakshmipat University (JKLU), Jaipur

Indian Society of Geomatics, Jaipur Chapter (ISG-JC)

ORGANIZED BY...

Indian Society of Geomatics, Ahmedabad

Indian Society of Remote Sensing, Dehradun

ISRS

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- Dr. Alexander P Hansen, Director, German Research Foundation, New Delhi
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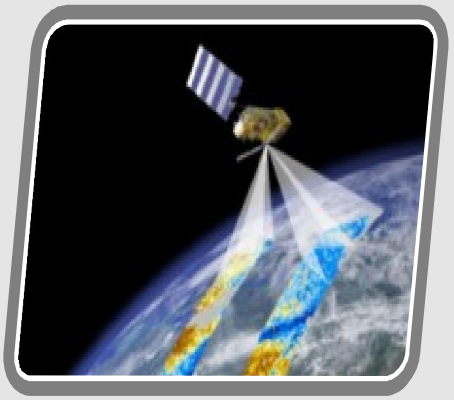
- Dr. Ajai, Chief Editor, JOG & ISRO Prof. SAC, Ahmedabad
- Dr. P.G. Diwakar, Vice-President, ISRS and Dy. Director, NRSC, Hyderabad
- Dr. J.R. Sharma, Chief General Manager, RRSC, NRSC, Hyderabad
- Dr. S.S. Ray, Vice-President, ISRS & Director, MNCFC, New Delhi

Background

Digital India is an initiative of Government of India to integrate the government departments and the people of India by utilising Information Technology. It aims at ensuring that the government services are made available to citizens electronically by reducing paperwork. It is an umbrella programme co-ordinated by the Department of Electronics & Information Technology and implemented by all Government Departments. The Programme is centred on three key areas i.e. Digital Infrastructure as a utility to every citizen, Governance & Services on demand, and Digital Empowerment of citizens. Geomatics plays a key role in providing technology for planning and GIS based decision making and is an integral part of Digital India programme. Space based communication, navigation and earth observation technology developed by the Indian Space Programme, coupled with developments in GIS and information and communication technology plays a major role in achieving the targets of Digital India Programme. The symposium shall focus on various themes related to applications of geomatics in various key areas defined under the Digital India Programme.

The Indian Society of Geomatics (ISG) and the Indian Society of Remote Sensing (ISRS), the two premier professional societies dedicated to promotion and dissemination of GIS & RS in India, conduct annual conventions and joint national symposiums in tandem providing excellent opportunities to the scientists, teachers and students for presenting their research findings, updating their knowledge base and interacting with experts and peers. Continuing this rich tradition, a national symposium on "Geomatics for Digital India", is being organized by ISG and ISRS in the beautiful pink city of Jaipur (Rajasthan) during 16-18 December, 2015 (Wednesday to Friday). This mega event is jointly hosted by J.K. Lakshmipat University Jaipur and Indian Society of Geomatics, Jaipur Chapter.



Symposium Theme & Sub-Themes

The major theme for national Symposium and ISG & ISRS annual conventions is Geomatics for Digital India. The original unpublished research papers covering one or more sub-themes for presentation during symposium from India and abroad are invited:

- Making Digital India: Issues and Challenges
- G - Governance for Village Level Planning
- Spatial Data Infrastructure and Decision Support Systems
- Web and Location based Services (Tele-Geomatics, Mobile GIS)
- Geomatics for Skill Development & Livelihood
- Geomatics for Smart Cities Planning
- Geomatics in e - Commerce
- Advanced Imaging and Processing Technologies (UAV, Sensor Technology, LIDAR, SAR)
- Advances in Photogrammetry and 3-D Mapping
- Navigation and Positioning System
- Infrastructure Development and Planning
- Geospatial Technology for Renewable Energy Resources
- Land Degradation, Desertification and Soil Health
- Sustainable Land Management
- Rejuvenating and Interlinking of Rivers
- Disaster Management & Weather Forecasting
- Coastal and Marine Environment
- Natural Resource Management (Water, Soil, Forest, Agriculture, Horticulture)

It is to be noted that operating language of the conference and tutorials shall be English. Selected papers presented in the national symposium shall be published in a special issue of Journal of Geomatics (ISSN 0976-1330) after the peer-review process.

Abstract Submission

Authors intending to present their original research in national symposium and later get it published in peer-reviewed Journal of Geomatics, they may submit abstracts within 300 words online through the symposium website www.isgjaipur.org. In case you are unable to do the online submission, a paper abstract may be sent per e-mail to isg2015@jklu.edu.in Authors are requested to strictly adhere to the guidelines for abstract preparation available at (www.isgjaipur.org). The last date for submission of on-line abstract is 15th September 2015.

Manuscript of the full length papers as per the prescribed format of the Journal of Geomatics will be included in the soft copy proceedings. Selected good quality papers after the peer-review process shall be published in a special issue of Journal of Geomatics (www.isgindia.org). The last date for submission of full length paper is 15th November 2015.

MODEL MAKING COMPETITION

A special model making competition relevant to "Geomatics for Digital India", for higher secondary school (10+2) students as side event has been scheduled to expose young minds on scientific temperament. There are special prizes/ awards under model making competition category which carry a certificate and cash prize.

Best Paper Awards

The best paper awards in student category as well as in general category will be given to the selected papers presented (Oral/Poster) during the symposium.

Special Awards Lectures & Tutorials

Apart from paper presentations, a number of professionally significant events such as: two popular lectures on the symposium theme, Millennium Lecture of ISG and Vikram Sarabhai Memorial Lecture of ISRS are highlights of the Symposium. Selected lead talks on major themes, plenary presentation by invited experts, and address by annual awardees of ISG & ISRS too are scheduled. Besides professional presentations Annual General Body meetings of both societies ISG & ISRS, Pre-symposium tutorials and several interesting programs such as poster presentation and model making competitions will make the national symposium an enriching and memorable experience to all the attendances.

Pre-Symposium Tutorials

There will be five pre-symposium tutorials during 14-15 December 2015 (Monday & Tuesday) training young professionals and students on the following themes.

Theme 1	Applications of IRNSS system and GPS in Navigation & Mapping	Dr. Ashish Kumar Shukla, SAC/ISRO Ahmedabad
Theme 2	Geoinformatics Skill Development for NGOs & CSR Sectors	Dr. Alok Chaudhary, MPCOST, Bhopal
Theme 3	RISAT Data Processing & Applications	Ms. Arundhati Misra, SAC / ISRO Ahmedabad
Theme 4	Applications of open source GIS	Prof. Anupam K. Singh, JKLU Jaipur
Theme 5	Cloud computing and big data analytics	Dr. M.P. Punia, BIT Mesra and Dr. D. Punia, JKLU, Jaipur

Interested participants may submit their applications online at the symposium website (www.isgjaipur.org) along with CV OR submit by email to the Organising Secretary (isg2015@jklu.edu.in) on or before 15th October 2015. The admission to the tutorials will be based on merit as only 30 candidates will be taken in each tutorials, hence early registration is recommended to the participants. The venue for all above tutorials will be JK Lakshmipat University, Jaipur. Outstation participants are advised to reach tutorial venue in advance so as to avoid last minute hassle. More details on the JK Lakshmipat University and location may be found on the website (www.jklu.edu.in).

Registration Fee

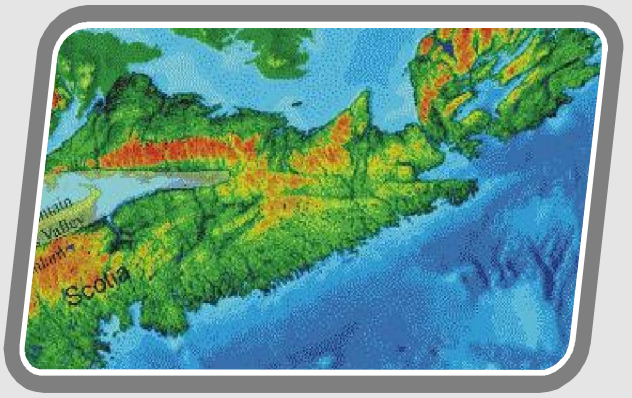
Registration fee for participation in symposium under various categories is as:

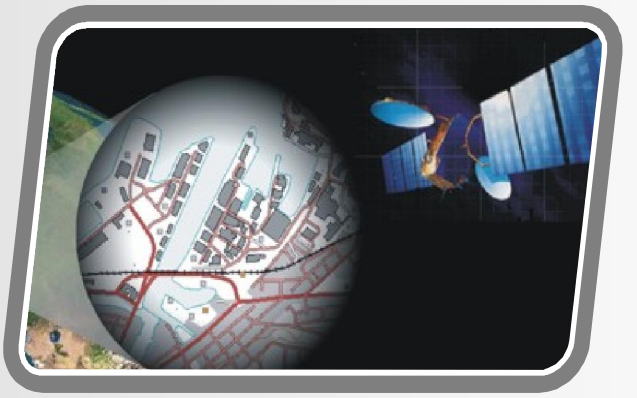
Sr. No.	Participant Category	Payment of Registration Fees	
		Upto 31st October 2015	After 31st October 2015
01.	ISG/ISRS members	Rs. 3000	Rs. 3500
02.	Non-members	Rs. 4000	Rs. 4500
03.	Foreign participants	US $150	US $200
04.	Students & Senior Citizens* (Members)	Rs 1500	Rs 2000
05.	Students & Senior Citizens* (Non-Members)	Rs 2000	Rs 2500
06.	Accompanying persons	Rs 1000	Rs 1500
07.	Pre-symposium Tutorials	Rs 2000	Rs 2500

Participations interested to register for pre-symposium tutorial (during 14-15 December) and symposium are entitled for Rs. 500/- discount on the gross registration fees if paid for both the events together. Bonafide students making oral/poster presentation in the Symposium shall be refunded registration fee and to-and-fro fare equivalent to rail sleeper class by shortest route.

The registration fees may be remitted online through direct bank transfer to Account number 612-7239-8415 of State Bank of Bikaner and Jaipur (SBBJ), PWD Complex branch (IFSC: SBBJ0010820; MICR: 302003051). Please send a copy of the bank receipt by email isg2015@jklu.edu.in along with full details of remitter to the Organizing Secretary.

In absence of online remittance option, registration fees may also be sent by Registered Post/ Speed Post (no courier) through bank draft drawn in favour of ISG Jaipur Chapter payable at Jaipur. It is to be noted that registration fees covers symposium kit including symposium souvenir/ proceedings and working lunches. Accommodation shall be arranged in Hotels, JKLU Hostel and available Guest houses on payment basis as indicated on the website (www.isgjaipur.org).





Industry Participation

A special session for industries, NGOs and entrepreneurs to showcase their products, new technologies and services is planned. Industries and institutions willing to make use of this opportunity need to register by paying Rs 20,000/- for a 15-minutes presentation. Industry participation includes one complimentary registration.

Industrial Exhibition

An exhibition of industrial products/services from various manufacturers will be held at conference venue. The exhibition is envisaged to provide a forum for interaction between the participants and service organizations. Manufacturers of hardware, software and service provider for space technology, defence manufacturer, remote sensing, photogrammetry, GIS, GPS, LBS, satellite communication and navigation are invited to participate in the exhibition.

Interested exhibitors may book a stall (measuring 3m x 3m) or multiple units of exhibitions space @ Rs 40,000/- per single unit. There will be two complimentary registrations per unit booked. Interested industrial manufacturers/ companies may contact the organizing secretary for queries.

Important Dates to Remember

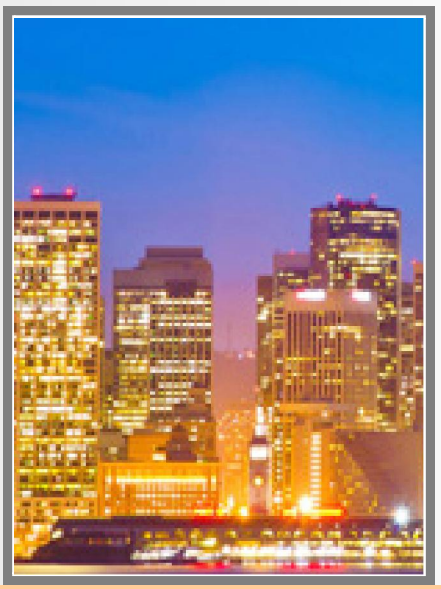
Participants are requested to remember following dates:

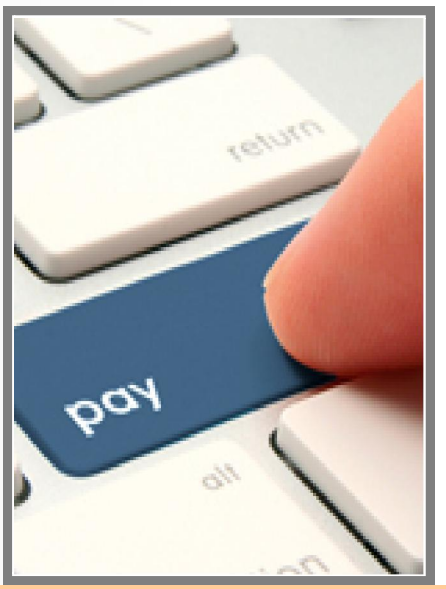
Release of First Circular	June 15, 2015
Last Date for Abstract Submission	September 15, 2015
Intimation of Acceptance of Abstracts	September 30, 2015
Last Date for Submission of Tutorial Applications	October 15, 2015
Intimation of Admission into Tutorials	October 31, 2015
Registration for Commercial Presentations	October 31, 2015
Registration for Industrial Exhibition	October 31, 2015
Last Date for Registration for Tutorials	November 15, 2015
Submission of Full Paper	November 15, 2015
Last Date for Guest House/Hostel booking	November 30, 2015
Pre-Symposium Tutorials	December 14-15, 2015
National Symposium	December 16-18, 2015

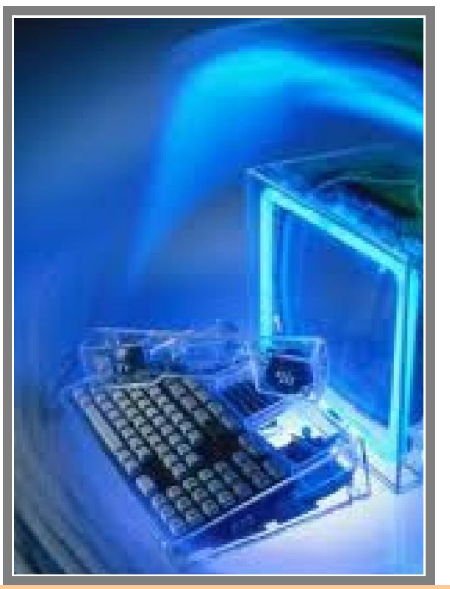
Payment

All payments towards the registration fee / exhibition charges / company presentation shall be remitted through online bank transfer or demand draft in favour of ISG Jaipur Chapter payable at Jaipur, along with the duly filled registration form.

The registration fees may be remitted online through direct bank transfer to Account number 612-7239-8415 of State Bank of Bikaner and Jaipur (SBBJ), PWD Complex branch (IFSC: SBBJ0010820; MICR: 302003051). Please send a copy of the bank receipt by e - mail to isg2015@jklu.edu.in along with full details of remitter to the Organizing Secretary.







About the Symposium Organizers

Indian Society of Geomatics

Indian Society of Geomatics (ISG), established in 1993, has been promoting interactions among professionals for advancement of remote sensing & GIS technologies and applications through symposia and workshops that it frequently conducts, besides publishing the Journal of Geomatics and ISG Newsletters at regular intervals. With more than 1700 members and 20 Regional Chapters, ISG is growing from strength to strength. The ISG-Jaipur Chapter started in 2014 with 20 life members and many student members is the 19th of such Chapters and latest addition to the ISG family actively conducting awareness and expert programmes in the field of Geomatics in the region. Every year, ISG confers several awards during the Society's annual conventions through nomination. Further details are available at ISG website (www.isgindia.org).

Indian Society of Remote Sensing

Indian Society of Remote Sensing (ISRS) established in 1969 as Indian Society of Photo-interpretation is the pioneering professional society dedicated to popularization and dissemination of RS technology and applications through seminars/symposia and a number of publications such as bulletins, proceedings and the internationally reputed Journal of Indian Society of Remote Sensing. With more than 4500 members and 24 regional chapters, ISRS is now a valued member of the International Society of Photogrammetry and Remote Sensing (ISPRS) and Asian Association of Remote Sensing (AARS). ISRS confers a number of awards during the Society's annual conventions, the details of which are available at www.isrsindia.in

JK Lakshmipat University

JK Lakshmipat University Jaipur has been established under Rajasthan private university act and covered under section 2(f) of University Grant Commission Act 1956. Research and innovation has been in the forefront of JKLU and offers programs in Engineering & Technology and Management. University is established by Padma Bhushan Hari Shankar Singhania former President-FICCI, President JK Organization, and promoted by one of the most respected Indian corporate house JK Organisation viz. JK Tyre and Industries Ltd, JK Paper Ltd, JK Lakshmi Cement Ltd, JK Fenner Ltd, Umang Dairy Ltd, JK Soft Ltd and Pushpavati Singhania Research Institute & Hospital. University is growing under the able leadership of Dr Devi Singh former Director IIM Lucknow, Director MDI Gurgaon as Vice Chancellor.

About Pink City Jaipur

Pink city Jaipur was one of the strong holds of a clan of rulers whose three hill forts and series of palaces are important attractions. Pink city is one of the country's most popular tourism spots, a confluence of a rich heritage and vibrant present. The travelers have always taken a keen interest in the culture of Jaipur. Against the backdrop of breath taking monuments of legendary Rajput royalty, today towering edifices of the new-age multiplexes, modern residential and commercial complexes, special economic zone and MNC offices are the hallmark of Jaipur city.

One of the most significant transformations of the city has been the development of a modern hub of higher learning, with a host of universities and institutions coming up fast. This gives today's Jaipur a youthful character, with an atmosphere buzzing with learning and new age knowledge streams.

Being an important tourist destination, Jaipur is well connected through road, rail and air. Jaipur is situated 260-km from Delhi and 240-km from Agra through road and forms an important part of golden triangle tour (Delhi-Jaipur-Agra).

Weather during December at Jaipur is pleasant with clear sky in general and maximum and minimum temperatures range from 21 – 26 degree celsius and 10-13 degree celsius respectively. Accordingly, woolen clothes are recommended.

Post-Symposium Tour (Pink City Jaipur)

A post-symposium one-day excursion tour to Pink city Jaipur is planned to be organized if sufficient number of interested delegates register for the tour. Visit to a number of forts and palaces such as Hawa Mahal, City Palace museum, Jantar Mantar, Amber Fort and Chokhi Dhani is tentatively planned. Details are available on the Symposium website.

Organizing Committee

Chairman:	Prof. Devi Singh, Vice Chancellor, JKLU, Jaipur
Organizing Secretary:	Prof. (Dr. - Ing) Anupam Kumar Singh, Chairman, ISG-JC & Director-IET,, JKLU Jaipur
Joint Organizing Secretary:	Mr. Kamal K Mishra, Secretary, ISG - JC & State Nodal Officer (GIS & IT) , PWD, Govt. of Rajasthan, Jaipur
Treasurer:	Prof Vinod Vishwakarma, Treasurer, ISG-JC, JKLU, Jaipur
Members:	

- Dr. A.S. Rajawat, Vice - President, ISG & Head, GSD, SAC, Ahmedabad
- Shri N.S. Mehta, Secretary, ISG, Ahmedabad
- Dr. R. Nagaraja, Jt. Secretary, ISG and GD, NDC, NRSC, Hyderabad
- Dr. Sarvesh Palria, Member, ISG-EC, MDS University, Ajmer
- Dr. Rohit Goyal, Professor, MNIT, Jaipur
- Dr. Rakesh C Vaishya MNNIT, Allahabad
- Dr. S K Katiyar, MANIT Bhopal
- Dr Devendra K Punia, Professor, JKLU, Jaipur
- Dr. Pushpendra Singh, Assoc. Professor, JKLU, Jaipur
- Prof. Amit Kumar, Asst Professor, JKLU, Jaipur
- Shri Pankaj Dhemla, Poornima Group, Jaipur
- Ms. Richa Singh, University of Rajasthan, Jaipur
- Shri R.P. Dubey, Editor ISG - Newsletter
- Dr. S.P. Aggrawal, Secretary, ISRS, IIRS, Dehradun
- Shri K.P. Bharucha, Treasurer, ISG, SAC, Ahmedabad
- Shri K.L.N. Sastry, Member, ISG-EC, SAC, Ahmedabad
- Dr. M. P. Punia, Professor, BIT Mesra, Jaipur
- Dr. Sandeep S. Sengar, Assoc. Professor, JKLU, Jaipur
- Dr Ravi Kumar Ganti, Asst Professor, JKLU, Jaipur
- Shri Manu Sharma, NIRD Centre, Jaipur
- Mr. Rajesh S Chauhan, Lecturer, Balaji College, Jaipur
- Ms Kritika Sharma, GIS Analyst, Govt. of Rajasthan, Jaipur

JK LAKSHMIPAT UNIVERSITY

ज्ञानम् अमृतम्

Education for Life

ADDRESS FOR CORRESPONDENCE:

Prof. Dr. - Ing. Anupam Kumar Singh

Organizing Secretary ISG2015 & Chairman ISG Jaipur Chapter
Institute of Engineering & Technology, JK Lakshmipat University

JK LAKSHMIPAT UNIVERSITY

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