

**National Conference on Advancements in Nano-Electronics and Communication Technologies (ANCT) 2016**

**17-19 March 2016**

- 1) **Title of the Activity-** Advancements in Nano-Electronics and Communication Technologies (ANCT) 2016
- 2) **About the Activity-** The national conference was organized by ECE department on 17-19 March 2016 taking into account various tutorials and national conference on Advancements in nano-electronics and communication technologies in association with IETE, IE and ISTE.
- 3) **Details of the Activity-**

**a. Objective:** The conference aims to create a platform for exchange of technical information in the field of Nano electronics and Communication technologies. It will draw the attention of young researchers in the field of Nanoelectronics and Communication technologies.

**b. Program Details:**

**Chief Guest:** Dr. B. S. Sonde, Former VC, University of Goa, Goa

**Guest of honour:** Dr. Sandeep Sancheti, President, Manipal University,

**Tutorials and National Conference on  
Advancements in Nano-Electronics and Communication Technologies  
(ANCT-2016)**

**17-19 March, 2016**

**Minute to minute programme of the inaugural function:**

08:55 — Guests enter the auditorium

09:00-09:05 — Lamp Lighting

09:05-09:10 — Floral Welcome

09:10-09:15 — “About ANCT” by Dr. S. K. Bhatnagar, Convener

09:15-09:55 — Address by Guest of Honor — [Dr. S. Sancheti](#),

09:55 – 10:00 — Presentation of memento to the Guest of Honor

#### Departure of the Guest of Honor

10:00 – 10:10 — “Welcome address” by Chairman-SKIT — Sh. Surja Ram Meel

10:10 – 10:20 — “About SKIT” address by Director (Academics) — Dr. S. L. Surana,

10:20 – 10:25 — “Address” by Director-SKIT — Sh. Jaipal Meel,

10:25 – 11:05 — “Conference Address” by Chief Guest — Dr. B. S. Sonde

11:05 – 11:15 — “Vote of Thanks” by Director (D&W) SKIT — Dr. S. K. Calla,

### 3. Details of Activity:

#### Resource Persons

S. No.	Invitee	Designation
1	B. S. Sonde	Former V.C. Goa University Former Director, I.I.Sc. Bangalore
2	Sandeep Sancheti	President, Manipal University, Jaipur
3	R. P. Yadav	Former V.C. RTU, Kota
4	N. K. Agrawal	Scientist Director’s Grade (retd.) Vikram Sarabhai Space Center, Trivendrum <b>Worked for 12 years with Bharat Ratna Dr. A. P. J. Abdul Kalam</b>
5	O. P. Wadhawan	Scientist Director Grade (retd.), CEERI, Pilani
6	P. K. Khanna	Chief Scientist, CEERI, Pilani
7	M. C. Bhatnagar	Professor, I. I. T. Delhi
8	Dhirendra Mathur	Professor, RTU, Kota
9	V. Janyani	Professor, MNIT, Jaipur
10	Gunjan Saxena	General Manager, BSNL, Jaipur
11	Deepak Bhatnagar	Director, Center for Converging Technologies, RU, Jaipur
12	R. P. Gupta	Scientist Director Grade (retd.), CEERI, Pilani
13	G. D. Sharma	Professor, LNM IIT, Jaipur

14	C. Periasamy	Associate Professor, MNIT, Jaipur

**No. of Participants: 200**

### **Brief Proceeding of each day of the activity:**

**National Conference on Advancements in Nano-Electronics and Communication Technologies**

**(ANCT-2016)**

**17-19 March, 2016**

Day 1: TUTORIALS

There will be 2 parallel sessions – one on Microwave Engineering aimed at VI Semester students of B. Tech. Degree and the other on MEMS and Nano Technology aimed at VIII Semester students of B. Tech. degree

9:00 am – 9:30 am      Inauguration and Brief introduction of the experts

9:30 am – 11:30 am      Communication I (N. K. Agrawal); Nanotechnology (P. K. Khanna)

11:30 am – 12:00 noon      Tea

12 noon – 1:30 pm      Microwave Communication (N. K. Agrawal);      MEMS (D. Mathur)



**Day 2 – 18 March 2016**

8:30 am - 9:00 am – Meeting of Chief Guest, Guest of Honor and other guests with Management and Members of the Academic Council.

9:00 am – 11:15 am      INAUGURATION and Keynote Address

11:15 am – 11:45 am

High tea

11:45 am - 1:30 pm  
Electronics

Technical Session – I: Nano Technology and Nano

Session Chair: O. P. Wadhawan

Invited talk: P. K. Khanna

Invited Talk: D. Mathur

Contributed Papers:

1:30 pm – 2:30 pm

LUNCH

2:30 am - 4:30 pm  
Communication

Technical Session – II: Optical and Wireless

Session Chair: R. P. Gupta

Invited talk: V. Janyani

Invited talk: Gunjan Saxena

Contributed Papers:

4:30 pm – 5:00 pm

TEA



Day 3 – 19 march 2016

9:30 am - 11:00 am  
Technologies

Technical Session – III: Advanced CMOS

Session Chair: S. K. Bhatnagar

Invited talk: C. Periasamy

Invited talk: O. P. Wadhawan

Contributed Papers:

11:00 am – 11:30 am

TEA

11:30 am - 1:30 pm  
Communication

Technical Session – IV: Microwave

Session Chair: R. P. Yadav

Invited talk: N. K. Agrawal

Invited talk: Deepak Bhatnagar

Contributed Papers:

1:30 pm – 2:30 pm

LUNCH

2:30 am – 3:30 pm

Technical Session – V: Sensors And Solar Cells

Session Chair: B. S. Sonde

Invited talk: M. C. Bhatnagar (IIT, Delhi)

Invited talk: G. D. Sharma (LNM-IIT)

Contributed Papers:

3:30 pm – 3:45 pm

TEA

3:45 pm – 5:30 pm

Session – VI: Visionary Thoughts

1. Dr. B. S. Sonde
2. Dr. R. P. Yadav
3. Mr. O. P. Wadhawan
4. Mr. N. K. Agarwal
5. Dr. M. C. Bhatnagar
6. Dr. S. L.. Surana
7. Dr. Deepak Bhatnagar
8. Dr. G. D. Sharma
9. Dr. S. K. Calla
10. Dr. S. K. Bhatnagar

#### **4. Enclosures:**

##### **a. Brochure:**

#### CONVENER

Prof. (Dr.) S. K. Bhatnagar,  
Director (Research) & Head, Dept. of  
Electronics and Communication Engineering  
Mobile Number: +91-9860327252,  
Phone (R): +91-141-2786272  
Email: bhatnagar\_skb@yahoo.de

#### CO-CONVENER

Mr. Mukesh Arora, Reader, SKIT  
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Mr. Praveen Jain, Reader, SKIT  
Phone: 9694142224  
Email: praveenjain.spsl@gmail.com

#### ORGANIZING SECRETARY

Ms. Monika Mathur, Reader, SKIT  
Ms. Rukhsar Zafar, Reader, SKIT

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Mr. Ankit Agarwal  
Ms. Aayushi Nanda  
Ms. Gloria Joseph  
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Mr. Sudhir Yadav  
Ms. Suman Sharma  
Mr. Sunil Lakhawat  
Ms. Supriya Mahala  
Ms. Swati Arora  
Mr. Vikas Pathak  
Ms. Vinita Agrawal  
Mr. Vinod Kataria

#### PATRONS

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Mr. Surja Ram Meel, Chairman, SKIT

#### ADVISORY COMMITTEE

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Prof. (Dr.) S. K. Calla, Director (D&W), SKIT  
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Prof. (Dr.) Sucha Calla, Incharge, 1st year, SKIT  
Prof. L. N. Dutt, Head, CE Dept., SKIT  
Prof. S. P. Garg, Dean, Mgmt. studies Dept., SKIT

#### NATIONAL ADVISORY COMMITTEE

Prof. (Dr.) R. P. Yadav, MNIT, Jaipur  
Dr. P. K. Khanna, Chief Scientist, CSIR-CEERI, Pilani  
Dr. G. S. Dangayach, Chairman, IE (I), Raj. State Centre, Jaipur  
Mr. Daria Singh, Chairman, ISTE, Raj. Section  
Mr. Gunjan Saxena, Chairman, IETE, Raj. Section  
Prof. (Dr.) Ashvini Chaturvedi, NIT, Suratkal  
Dr. Mohammad Salim, MNIT, Jaipur  
Dr. Ghanshyam Singh, MNIT, Jaipur  
Prof. (Dr.) R. S. Meena, HOD-ECE, RTU, Kota  
Mr. Deepak Bhatia, RTU, Kota  
Ms. Sanju Tomar, RTU, Kota

#### EMINENT SPEAKERS

Dr. Parmod Kumar Khanna, Chief Scientist,  
Hybrid Micro Circuits Group, CSIR-CEERI, Pilani  
Prof. N. K. Agarwal, Former Scientist, Vikram Sarabhai Space  
Centre, ISRO, Trivandrum  
Mr. O. P. Wadhawan, Retd. Scientist G, CSIR-CEERI, Pilani  
Prof. (Dr.) M. C. Bhatnagar, IIT, Delhi  
Prof. (Dr.) Deepak Bhatnagar, Director, CCT, Raj. University, Jaipur  
Mr. Gunjan Saxena, G.M., BSNL, Chairman-IETE Raj. Center  
Dr. Vijay Janyani, MNIT, Jaipur  
Dr. C. Periasami, MNIT, Jaipur  
Prof. (Dr.) Dhirendra Mathur, HOD, Nanotech Center, RTU, Kota  
Dr. G. D. Sharma, INMIIT, Jaipur

#### CONTACT PERSONS

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#### Tutorials and National Conference

### Advancements in Nano-Electronics and Communication Technologies

(ANCT-2016)

17<sup>th</sup>- 19<sup>th</sup> March 2016

(Sponsored by DST, Raj. and IETE-Raj. Chapter)



Department of Electronics & Communication Engineering

(NBA Accredited-B.Tech Programme)  
SWAMI KESHVANANDI INSTITUTE OF TECHNOLOGY,  
MANAGEMENT & GRAMOTHAN  
Jaipur



In Association with  
Indian Society for Technical Education  
(SKIT Student Chapter & Rajasthan Section)  
The Institute of Engineers  
(Rajasthan State Center)



Ramnagar, Jagatpura, Jaipur-302017, Rajasthan, India  
Web: www.skit.ac.in/anct2016. Tel:0141-5160400, 2752165/67

#### ANCT-2016

#### ABOUT SKIT ▶

Inspired by the teachings of Swami Keshvanandji, the Technocrats and Managers Society for Advanced Learning established "Swami Keshvanand Institute of Technology, Management & Gramothan" (SKIT) in the year 2000. Today the Institute is recognized as one of the centers of academic excellence in Northern India. This has been realized by efficient & dedicated faculty, innovative teaching-learning methods, state of art infrastructure and core values of discipline. The Institute is affiliated to Rajasthan Technical University, Kota and approved by All India Council for Technical Education (AICTE), Ministry of Human Resource Development, Government of India to offer Postgraduate and Graduate Courses in Engineering and Management. B.Tech Programme of ECE, CSE, IT, ME, EE are accredited by National Board of Accreditation (NBA) and IE(I).

#### DEPARTMENT OF ELECTRONICS & COMMUNICATION ▶

The Electronics and Communication Engineering (ECE) Department has a rich tradition in research and teaching. All efforts are subtly harnessed with the aim of preparing the budding engineers to face the challenging dimensions of technical excellence in areas such as Communication, Antenna, MEMS and Electronic Devices. Faculty members of the department put in consistent efforts for field exposure of students through various research oriented projects. The Department offers a perfect blend of electrical, electronics and computer related courses to help students pursue a professional career or higher studies. We invite you to join us to put in best efforts for society.

#### Vision of the Department

To make the department a center of excellence in electronics and communication engineering.

#### Mission of the Department

To provide the students an environment for understanding basics of electronics and communication engineering and to prepare the students for their professional careers.

#### AIM OF THE CONFERENCE ▶

The conference aims to provide a platform for expert technical exchange regarding advance technologies and innovations in the field of Electronics & Communication Engineering. The conference will draw attention of young researchers towards the field of Nano-Electronics & Communication Technologies. The conference looks for significant contributions to the applied sciences, engineering, and nanotechnology in theoretical and practical aspects.

#### CONFERENCE THEMES ▶

Topics of interest for submission include, but are not limited to:

- Nano Electronics and Photonics
- Carbon Nanostructures and Devices
- Graphene
- Memory and logic devices, circuits and architecture for advanced CMOS technologies
- Nanomaterials for Clean and Sustainable Technology
- Nanotechnology for Solar Energy
- Computer and Intelligent Communication
- Mobile and Optical Communication
- Wireless Communication
- Wireless Sensor Networks
- Advanced VLSI Systems
- Embedded Wireless Systems
- Microstrip Patch Antenna

#### CALL FOR PAPERS ▶

Interested participants may submit their abstract by mail to [anct2016@gmail.com](mailto:anct2016@gmail.com) before due date. After expert review, the authors may be asked to submit camera ready paper. All the submissions must be original and follow the IEEE standards. Further instructions will be mailed to authors separately regarding submission of paper.

Quality papers will be published in SKIT RESEARCH JOURNAL (*An International Journal of Engineering, Science, Humanities and Management*) (ISSN 2278-2508) (Volume-6; Issue-2; October 2016)

#### REGISTRATION FEE ▶

Students	:	Rs. 300
Research Scholar	:	Rs. 400
Teachers/Scientist	:	Rs. 500
Delegates from Industry	:	Rs. 1000

Registration fee may be paid through DD in favour of "Swami Keshvanand Institute of Technology, Management & Gramothan" payable at Jaipur or by cash

#### IMPORTANT DATES ▶

• Submission of Abstract	:	06 <sup>th</sup> Mar., 2016
• Intimation of Acceptance	:	08 <sup>th</sup> Mar., 2016
• Submission of Full Paper	:	11 <sup>th</sup> Mar., 2016

#### REGISTRATION FORM

#### Tutorials and National Conference

on

### Advancements in Nano-Electronics and Communication Technologies

(ANCT-2016)

17<sup>th</sup>- 19<sup>th</sup> March 2016

Name: .....

Designation: .....

Organization: .....

Address: .....

Phone No.: .....

E-mail ID: .....

I propose to: a) present a paper

b) attend the conference

Title of the Paper: .....

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Registration Category: Research Scholar/ Faculty member/

Industrial and Other delegate

Registration Fees: Cash/DD

Amount: .....

DD No.: .....

Accommodation Required: Yes/No

Signature



*We cordially invite you to the  
Inaugural Ceremony*

of

*National Conference*

on

*“Advancements in Nanoelectronics and Communication Technologies”  
(ANCT-2016)*

*Dr. B. S. Sonde*, Former VC, University of Goa, Goa  
has kindly consented to be the Chief Guest

&

*Dr. Sandeep Sancheti*, President, Manipal University, Jaipur  
has kindly consented to be the Guest of Honor

The conference is being organized by  
*Swami Keshvanand Institute of Technology, Management & Gramothan, Jaipur*  
In association with

**Indian Society for Technical Education**  
(SKIT Student Chapter & Rajasthan Section)

**The Institution of Engineers**  
(Rajasthan State Center)

*The conference has been sponsored by  
DST, Rajasthan, Jaipur and I. E. T. E. Rajasthan Chapter, Jaipur*

**Friday, 18<sup>th</sup> March, 2016**

**Time: 9:00 AM**

**Venue: Gyan Mandir Auditorium, Civil Block  
Swami Keshvanand Institute of Technology, Management & Gramothan  
Rannagaria, Jagatpura, Jaipur**

**Mr. Jaipal Meel**  
Director

**Dr. S. L. Surana**  
Director (Academics)

**Dr. S. K. Colla**  
Director (D&W)

**Dr. R. K. Pachar**  
Principal

**Dr. S. K. Bhatnagar**  
Convener, ANCT-2016