

Faculty Induction Program on Nanotechnology: Recent Advancements and Challenges 2-7 July 2018

1. **Title of the activity:** Faculty Induction Program on Nanotechnology: Recent Advancements and Challenges
2. **About the Activity:**

a. Objective:

The FIP aimed at acquainting participants with the umpteen opportunities of nanotechnology. This was done by dissemination of knowledge during the training sessions conducted by eminent speakers working on the cutting edge research in frontier areas of nanotechnology. These sessions will help to understand the underlying concept of nanomaterials to tap their potential in the emerging field of nanoelectronics.

b. Program detail:

This faculty induction program was inaugurated by Chief Guest- Dr. Lalit Kumar Panwar, Vice Chancellor- Rajasthan ILD Skill University (RISU), Jaipur & Former Chairman- Rajasthan Public Service Commission and Presiding Guest- Prof. Pratapsinh Kakaso, President, Indian Society for Technical Education, New Delhi. In the Inauguration ceremony Er. Daria Singh (Chairman, ISTE Rajasthan Chapter), Sh. Surja Ram Meel (Chairman-SKIT), Sh. Jaipal Meel (Director-SKIT), Prof S. L. Surana (Director Academics-SKIT), Prof. S. K. Calla (Director D&W-SKIT), Prof. Ramesh Kumar Pachar (Principal-SKIT) and Prof S. K .Bhatnagar, Director (Research) SKIT were present.

In the first session of the first day Prof. G. D. Sharma, Laxmi Niwas Mittal Institute of Information Technology (LNMIIT), Jaipur gave expert talk on Organic Thin Films Solar Cell.

In the second session Prof. S. N. Vijayvargiya Director, GENUS Innovation and GENUS Power Limited shared his knowledge on Nano Grids & Recent Innovation in Nanotechnology from industrial point of view. After these technical sessions, 20 participants visited Material Research Centre, MNIT Jaipur and gain experimental knowledge on the fabrication and characterization of Nanomaterials/Thin Films. This visit gave experimental exposure to the participants. During this time, remaining participants were busy in assignments and open discussion on the topics of the expert lecture.

In the first session of day two, Dr Shashikant Sharma, Manipal University Jaipur enlightened participants with his experience on Fabrication and Characterization Techniques for Semiconductor Devices and Electronic and Photonic Applications of Thin Films. After that two lab sessions were held for

hands on practice of Visual TCAD for Semiconductor Device Simulations. After these sessions 20 participants visited Material Research Centre, MNIT Jaipur and gain experimental knowledge on the fabrication and characterization of Nanomaterials/Thin Films. During this time, remaining participants were busy in assignments and open discussion on the topics of the expert lecture.

Day three started with a motivational lecture on Art of Living by Mr. Akshay Mittal. He energized the participants with different meditation and yoga techniques. He also discusses the ways of reducing stress and lives a happy life. In the second session, Prof Kanupriya Sachdev, MNIT Jaipur enlightened the participants with the knowledge of Transparent Conducting Oxide Thin Films. Two more sessions were kept for SYMICA AMS Tool for IC Design. After that problem solving and open discussions were made about the topics of the day.

Beginning of day fourth, session was enriched by the lecture of Prof. Y. K. Vijay, President, Vivekanand Global University Jaipur (Former Professor University of Rajasthan, Jaipur) on Nano Technology: Future Materials and Devices. He enhanced knowledge of participants with his own current research work. This expert lecture was followed by two enriching lab sessions of Plasmonic Waveguide, Modeling of Photonic Crystal on Lumerical software along with problem solving and open discussion.

Fifth day started with two continuing lab sessions on Modeling of Graphene using lumerical software. After that, there were two expert lectures of Dr. Praveen Kumar, Department of Material Science, and Indian Association for the Cultivation of Science, Kolkata who emphasized on Probing the Surface with XPS and AES techniques and Exploring the Nanoworld.

On Day six, Dr. Mahesh Kumar, Indian Institute of Technology Jodhpur gave two informative lectures on Nano sensors along with open discussion with participants. After that exit exam of participants and feedback of the program were taken from the participants.

c. Expected Outcome:

The FDP was organized so that the researchers working in the field of nanotechnology gain a good insight of new technologies and new research areas in the field of nanotechnology

d. Type: National

3. Details of the Activity

a. Resource person(External/Internal):

List of Resource Persons (External)

Name	Affiliation & Address
Prof. G. D. Sharma	Professor, Department of Physics The LNM Institute of Information Technology, Rupa ki Nangal, Post-Sumel, Via-Jamdoli, Jaipur-302031 Contact No. 9649473882 Email: gdsharma273@gmail.com Title of Talk: Organic Thin Films Solar Cell
Prof. S. N. Vijayvargiya	Director, GENUS Innovation and GENUS Power Limited, SPL 2B, RIICO Industrial Area, Sitapura, Tonk Road, Jaipur-302022 Contact No. 9351547415 Email: satyanvijay@gmail.com Title of Talk: Nano Grids & Recent Innovation in Nanotechnology (Industrial point of view)
Dr. Shashikant Sharma	Assistant Professor, Department of Electronics and Communication Engineering, Manipal University Jaipur Jaipur-Ajmer Express Highway, Dehmi Kalan, Near GVK Toll Plaza, Jaipur-303007 Contact No. 9414780222 Email: shashkant@gmail.com Title of Talk: Fabrication and Characterization Techniques for Semiconductor Devices Thin Films: Electronic and Photonic Applications
Prof. Kanupriya Sachdev	Professor , Department of Physics & Materials Research Centre Malaviya National Institute of Technology, Jawahar Lal Nehru Marg, Malviya Nagar, Jaipur-302017 Contact No. 9829128200 Email: ksachdev.phy@mnit.ac.in Title of Talk: Transparent Conducting Oxide Thin Films
Mr. Amit Saini	Senior Engineer, Cadre Design Systems Unit-611 (6th Floor), Aditya High Street, NH-24 Plot No. 1/2, SSGT Road, NH24, Ghaziabad, 201001, (UP) India Contact No. 9999686355 Email: amit@cadredesign.co.in Title of Talk: Visual TCAD for Semiconductor Device Simulations SYMICA AMS Tool for IC Design
Prof. Y. K. Vijay	President, Vivekanand Global University Sector 36, NRI Road, Jagatpura, Jaipur- 303012

	<p>Contact No. 9461302757 Email: vijayyk@gmail.com Title of Talk: NanoTechnology: Future Materials and Devices</p>
Mr. Sripad K	<p>Senior Engineer, Lumerical Solutions 728, MICO Layout, B.T.M II Stage, Bangalore-560076 Contact No. 9886635654 Email: srk@bigsoiv.com Title of Talk: Plasmonic Waveguide, Modeling of Photonic Crystal Modeling of Graphene</p>
Dr. Praveen Kumar	<p><i>Assistant Professor,</i> <i>Indian Association for the Cultivation of Science</i> 2A & 2B Raja S C Mullick Road, Kolkata-700032 Contact No. 7696007516 Email: msprk@iacs.res.in Title of Talk: Exploring the Nanoworld.... Probing the Surface with XPS and AES</p>
Dr. Mahesh Kumar	<p><i>Assistant Professor,</i> <i>Department of Electrical Engineering</i> <i>Indian Institute of Technology Jodhpur</i> NH 65, Nagaur Road, Dist Jodhpur, Karwar, Rajasthan 342037 Contact No. 9116075710 Email: mkumar@iitj.ac.in Title of Talk: Nanosensors</p>
Mr. Akshay Mittal	<p>Art of Living Contact No: 9314149797 5/407, Kaveri Path, Mansarovar, Jaipur Title of Talk: Art of Living, How to reduce stress? & Simple ways to live a happy life</p>

b. No of participants: 41 (As attached)

List of Participant
(AICTE-ISTE Sponsored Faculty Induction Programme)

S. No.	Name of Participant	Designation and Affiliation	ISTE Life Membership No.
1	Dr. Pramod Kumar Sharma	Lecturer, Govt. Polytechnic College, Rajsamand	LM123464
2	Dr. Vikas Jairam Dongre	Professor, Government Polytechnic, Washim, Maharashtra	LM23456
3	Mr. Kausar Ali	Associate Professor, Vivekanand Institute of Technology, Jaipur	LM89820
4	Mr. Faizan Ahmad	Assistant Professor, Post-Harvest Engineering & Technology, Faculty of Agricultural Sciences, Aligarh Muslim University, Aligarh, U.P. India	LM123504
5	Mr. Sameer Ahmad Khan	Assistant Professor, Department of Chemical Engineering, Zakir Hussain College of Engineering and Technology, Aligarh Muslim University, Aligarh (U.P)	LM123503
6	Mr. Subhash Chandra Jha	Assistant Professor, Global Institute of Technology and Management, Gurgaon (Haryana)	LM123696
7	Mr. Satya Narayan Agarwal	Assistant Professor, Manipal University, Jaipur (Rajasthan)	LM123653
8	Mr. Arun Augustin	Assistant Professor, Christ College of Engineering, Irinjalakuda, Thrissur, Kerala	LM79853
9	Dr. Sandeep Vyas	Associate Professor, Jaipur Engineering College & Research Centre, Jaipur	LM89800
10	Pallavi Yarde	Assistant Professor, Manipal University, Jaipur	LM123500
11	Dr. Shams Tabrez Khan	Associate Professor, Aligarh Muslim University, Aligarh, U.P.	LM123498
12	Dr. Vipin Kumar Jain	Associate Professor, Institute of Engineering and Technology, JK Lakshmipat University, Jaipur	LM97390
13	Mr. Sandeep Gangane	Associate Professor, Mahakal Institute of Technology, Ujjain Behind Air Strip, Dewas Road, Ujjain (M.P)	LM83297
14	Mr. Satendra Singh	Assistant Professor, Vivekanand Institute of Technology, Jaipur	LM80973
15	Dr. Sanjay Kumar Singh	Assistant professor, Amity University, Rajasthan, Jaipur	LM84817
16	Mr. Chusen Dauri	Assistant Professor, Manipal University, Jaipur	LM123501
17	Dr Nilam Choudhary	Associate Professor, Jaipur Engineering College & Research Centre, Jaipur	LM89825
18	Mr. Gajendra Sujediya	Assistant Professor, Rajasthan Institute of Engineering & Technology, Bhankrota, Ajmer Road, Jaipur	LM109717
19	Ms. Garima Madan	Assistant Professor, Jayprakash University, Chhapra, Bihar	LM123523
20	Dr. Renu Upadhaya	Assistant Professor, Amity University Jaipur	LM64258
21	Mr. Sandeep Kumar Jain	Assistant Professor, Vivekanand Institute of Technology, Jaipur	LM89803
22	Mr. Chandra Prakash Gupta	Assistant Professor, Manipal University, Jaipur	LM123502
23	Dr. Sarita Boolchandani	Assistant Professor, Vivekanand Institute of Technology, Jaipur	LM50422
24	Dr. Giriraj Kumar Prajapati	Associate Professor, Sree Chaitanya College of Technology Science, JNTU, Hyderabad	LM68647
25	Yazusha Gupta	Assistant Professor, Jaipur Engineering College & Research Centre, Jaipur	LM123629

C.

**List of Participant
(AICTE-ISTE Sponsored Faculty Induction Programme)**

26	Dr. Mukesh Payak	Associate Professor, Vivekanand Institute of Technology, Jaipur	LM68703
27	Dr. Yogita Madan	Assistant Professor, Amity University, Rajasthan, Jaipur	Applied
28	Palika Jajoo	Assistant Professor, Kautilya Institute of Engineering and Technology, Jaipur	LM67355
29	Dr. Monika Mathur	Associate Professor, Swami Keshvanand Institute of Technology, Management & Gramothan, Jaipur	LM93106
30	Dr. Rukhsar Zafar	Associate Professor, Swami Keshvanand Institute of Technology, Management & Gramothan, Jaipur	LM93098
31	Mr. Pallav Rawal	Assistant Professor, Swami Keshvanand Institute of Technology, Management & Gramothan, Jaipur	LM93096
32	Mr. J. P Vijay	Associate Professor, Swami Keshvanand Institute of Technology, Management & Gramothan, Jaipur	LM93097
33	Mr Sarabjeet Singh	Assistant Professor, Swami Keshvanand Institute of Technology, Management & Gramothan, Jaipur	Applied
34	Mr. Vikas Pathak	Associate Professor, Swami Keshvanand Institute of Technology, Management & Gramothan, Jaipur	LM93105
35	Mr. Lalit Lata	Assistant Professor, Swami Keshvanand Institute of Technology, Management & Gramothan, Jaipur	LM93099
36	Ms. Manju Choudhary	Assistant Professor, Swami Keshvanand Institute of Technology, Management & Gramothan, Jaipur	LM93104
37	Mr. Vivek Bhojak	Assistant Professor, Anand International College of Engineering, Jaipur	LM85169
38	Mr. Amit Kumar Saraf	Assistant Professor, Bhartiya Institute of Engineering & Technology Sikar	LM66457
39	Mr. Nitesh Kumar Dixit	Assistant Professor, Bhartiya Institute of Engineering & Technology Sikar	LM80968
40	Ms. Anoopsi	Assistant Professor, THDC-IHET, Tehri	Applied
41	Dr. Mukesh Mutneja (Arora)	Associate Professor, Swami Keshvanand Institute of Technology, Management & Gramothan, Jaipur	LM50420

d.

e. Brief Proceeding of each day of the activity:

Program Schedule

Day 1: July 02, 2018 (Monday)	
9:00 am -9:30 am	Registration & Distribution of Reading Materials
9:30 am -11:00 am (JC Bose Auditorium)	Inauguration of Program Chief Guest- Dr. Lalit Kumar Panwar, Vice Chancellor- Rajasthan ILD Skill University (RISU), Jaipur & Former Chairman- Rajasthan Public Service Commission Presiding Guest- Prof. Pratapsinh Kakaso, President, Indian Society for Technical Education, New Delhi
11:00 am - 11:30 am	High Tea
11:30 am- 1:00 pm (JC Bose Auditorium)	Lecture-1 Prof. G. D. Sharma, Laxmi Niwas Mittal Institute of Information Technology (LNMIIT), Jaipur Organic Thin Films Solar Cell
1:00 pm-2:00 pm	Lunch Break
2:00 pm-3:30 pm (JC Bose Auditorium)	Lecture-2 Prof. S. N. Vijayvargiya Director, GENUS Innovation and GENUS Power Limited Nano Grids & Recent Innovation in Nanotechnology (Industrial point of view)
3:30 pm - 5:00 pm	Group- 1 : Visit of Materials Research Centre, Malaviya National Institute of Technology, Jaipur Group-2: Assignment-1 Solving and Open discussion
5:00 pm – 5:30 pm	Evening Tea

4.

Day 2: July 03, 2018 (Tuesday)	
8:00 am- 8:30 am	Breakfast
8:30 am - 10.00	Lecture-3 Dr Shashikant Sharma, Manipal University

am JC Bose Auditorium	Jaipur Fabrication and Characterization Techniques for Semiconductor Devices
10:00 am -10:15 am	Tea Break
10.15 am - 11:30 am JC Bose Auditorium	Lecture-4 Dr Shashikant Sharma, Manipal University Jaipur Thin Films: Electronic and Photonic Applications
11:30 am – 12:00 pm	Tea Break and shifting to Computer Lab
12:00 pm- 1:00 pm ECL-06, Vikram Sarabhai Block	Lab Session-1 Mr. Amit Saini & Mr. Kushal Varshney Cadre Design System, EDA & TCAD Technology, New Delhi Visual TCAD for Semiconductor Device Simulations
1:00 pm-2:00 pm	Lunch Break
2:00 pm-3:30 pm ECL-06, Vikram Sarabhai Block	Lab Session-2: Mr. Amit Saini & Mr. Kushal Varshney Cadre Design System, EDA & TCAD Technology, New Delhi Visual TCAD for Semiconductor Device Simulations
3:30 pm -5:00 pm ECL-06, Vikram Sarabhai Block	Group -1: Assignment-1: Solving and Open discussion Group- 2: Visit of Materials Research Centre, Malaviya National Institute of Technology, Jaipur
5:00 pm – 5:30 pm	Evening Tea

5.

Day 3: July 04, 2018 (Wednesday)	
8:00 am- 8:30 am	Breakfast
8:30 am - 10:00 am JC Bose Auditorium	Art of Living: Ms. Suvidha Malhotra

10:00 am – 10:15 am	Tea Break
10:15 am - 11:30 am JC Bose Auditorium	Lecture-6: Prof Kanupriya Sachdev, MNIT Jaipur Title: Transparent Conducting Oxide Thin Films
11:30 am - 1:00 am ECL-06, Vikram Sarabhai Block	Lab Session-3: Mr. Amit Saini & Mr. Kushal Varshney Cadre Design System, EDA & TCAD Technology, New Delhi SYMICA AMS Tool for IC Design
1:00 pm-2:00 pm	Lunch Break
2:00 pm-3:30 pm ECL-06, Vikram Sarabhai Block	Lab Session-4: Mr. Amit Saini & Mr. Kushal Varshney Cadre Design System, EDA & TCAD Technology, New Delhi SYMICA AMS Tool for IC Design
3:30 pm -5:00 pm	Assignment-2: Solving and Open discussion
5:00 pm – 5:30 pm	Evening Tea

Day 4: July 05, 2018 (Thursday)	
8:00 am- 8:30 am	Breakfast
8:30 am - 10:00 am JC Bose Auditorium	Lecture-7: Prof. Y. K. Vijay, President, Vivekanand Global University Jaipur (Former Professor University of Rajasthan, Jaipur) Title: NanoTechnology: Future Materials and Devices
10:00 am- 10:30 am	Tea Break
10:30 am - 12:00 am JC Bose Auditorium	Lecture-8: Prof. Y. K. Vijay, President, Vivekanand Global University Jaipur (Former Professor University of Rajasthan, Jaipur) Title: NanoTechnology: Future Materials and Devices
12:00 am - 1:00	Lab Session- 7, Mr. Sripad K., Lumerical Solutions,

pm ECL-06, Vikram Sarabhai Block	Bangalore Title: Plasmonic Waveguide, Modeling of Photonic Crystal
1:00 pm- 2:00 pm	Lunch Break
2:00 pm-3:30 pm ECL-06, Vikram Sarabhai Block	Lab Session- 7, Mr. Sripad K., Lumerical Solutions, Bangalore Title: Plasmonic Waveguide, Modeling of Photonic Crystal
3:30 pm -5:00 pm	Assignment-3 Solving and Open discussion
5:00 pm – 5:30 pm	Evening Tea

Day 5: July 06, 2018 (Friday)	
8:00 am- 8:30 am	Breakfast
8:30 am - 10:00 am ECL-06, Vikram Sarabhai Block	Lab Session- 7, Mr. Sripad K., Lumerical Solutions, Bangalore Title: Modeling of Graphene
10:00 am- 10:30 am	Tea Break
10:30 am - 12:00 am ECL-06, Vikram Sarabhai Block	Lab Session- 7, Mr. Sripad K., Lumerical Solutions, Bangalore Title: Modeling of Graphene
12:00 am - 1:00 pm JC Bose Auditorium	Lecture-9: Dr. Praveen Kumar, Department of Material Science, Indian Association for the Cultivation of Science, Kolkata Title: Probing the Surface with XPS and AES
1:00 pm- 2:00 pm	Lunch Break
2:00 pm-3:30 pm JC Bose	Lecture-10: Dr. Praveen Kumar, Department of Material Science, Indian Association for the Cultivation of

Auditorium	Science, Kolkata Title: Exploring the Nanoworld....
3:30 pm -5:00 pm	Assignment-4 Solving and Open discussion
5:00 pm – 5:30 pm	Evening Tea

Day 6: July 07, 2018 (Saturday)	
8:00 am- 8:30 am	Breakfast
8:30 am - 10:00 am JC Bose Auditorium	Lecture-11: Dr. Mahesh Kumar, Indian Institute of Technology Jodhpur Title: Nanosensors
10:00 am- 10:30 am	Tea Break
10:30 am - 12:00 am JC Bose Auditorium	Lecture-11: Dr. Mahesh Kumar, Indian Institute of Technology Jodhpur Title: Nanosensors
12:00 am - 1:00 pm	Online Exam of Participants
1:00 pm- 2:00 pm	Lunch Break
2:00 pm-3:30 pm	Valedictory Function
3:30 pm -4:00 pm	Tea + Biscuit

d. Attainment of the activity:

The FIP attained most of the objectives to cover in the field of Nanotechnology that can be beneficial to researchers and faculty

e. Recommendations:

We recommend such types of FDP in future

4. Enclosures

a. Brochure:

REGISTRATION FORM

One Week Faculty Induction Program

Nanotechnology : Recent Advancements and Challenges

July 02-07, 2018

Name : _____
 Designation : _____
 Department : _____
 Institute : _____
 Institute Address : _____
 Mailing Address : _____
 Mobile No. : _____
 E-mail : _____

Signature of the Participant

Endorsement

Mr./Dr./Mrs. _____
 of _____
 Department is being endorsed for attending AICTE sponsored FIP on Nanotechnology : Recent Advancements and Challenges organised by Department of Electronics & Communication Engineering, Swami Keshvanand Institute of Technology, Management & Gramothan, Jaipur during July 02-07, 2018, if selected.

Signature & Seal of the Institute

Note: There is no Registration Fee

COMMITTEE

Patrons

Sh. Raja Ram Meel, Patron, SKIT
Sh. Surja Ram Meel, Chairman, SKIT

Advisors

Sh. Jaipal Meel, Director, SKIT
Prof. S.L. Surana, Director (Academics), SKIT
Prof. S.K. Calla, Director (D&W), SKIT
Mrs. Rachna Meel, Registrar, SKIT
Prof. Kamesh Kumar Fachar, Principal, SKIT
Ms Abba Meel, Advisor, SKIT
Prof. N.K. Banthya, PAGIC, SKIT
Prof. M.L. Bhargava, Advisor, SKIT
Prof. S.K. Bhatnagar, Head, ECE Dept., SKIT
Prof. S.N. Vijayvargya, ECE Dept., SKIT
Prof. N. C. Bhandari, Head, ME Dept., SKIT
Prof. C.M. Choudhary, Head, CS Dept., SKIT
Prof. Anil Choudhary, Head, IT Dept., SKIT
Prof. D.K. Sharma, Head, CE Dept., SKIT
Prof. Aakash Saxena, Head, EE Dept., SKIT
Prof. Sudha Calla, Incharge-First Year, SKIT
Dr. Mukesh Arora, ECE Dept., SKIT

Convener

Dr. Praveen K. Jain, SKIT

Co-convener

Dr. Swati Arora, SKIT
Dr. Rishi Vyas, SKIT

Secretary

Dr. Monika Mathur, SKIT
Dr. Rukhsar Zafar, SKIT
Mr. Vikas Pathak, SKIT

Co-ordinator

Ms. Manju Choudhary, SKIT
Mr. Ankit Agarwal, SKIT
Mr. Rahul Pandey, SKIT

HOW TO APPLY

The registration form could be filled online by using the weblink : <https://bit.ly/2GpFG94>
 A detailed endorsement form would be emailed which is required to be forwarded by the head of Institution.
 Send us a scan copy of the same to nrac@skit.ac.in
 For further details you may contact :
 +91-9928652224, +91-9828540040



AICTE-ISTE

sponsored



One Week Faculty Induction Program

Nanotechnology : Recent Advancements and Challenges

July 02-07, 2018



Organized by:



Department of Electronics & Communication Engineering
Swami Keshvanand Institute of Technology,
Management & Gramothan
Ramnagarla, Jagatpura, Jaipur-302017
www.skit.ac.in

OBJECTIVE

The Faculty Induction Program aims at acquainting participants with the umpteen opportunities of Nanotechnology. This will be done by dissemination of knowledge during the training sessions conducted by eminent speakers working on the cutting edge research in frontier areas of Nanotechnology. These sessions will help to understand the underlying concept of Nano-materials to tap their potential in the emerging fields of Nano-electronics.



ABOUT JAIPUR

Rajasthan's beautiful Pink City Jaipur, was the stronghold of a clan of rulers whose three hill forts and series of palaces in the city are important attractions. Known as the Pink City because of the color of the stone used exclusively in the walled city, Jaipur's bazaars sell embroidered leather shoes, blue pottery, tie and dye scarves and other exotic wares. Western Rajasthan itself forms a convenient circuit, in the heart of the Thar desert which has shaped its history, lifestyles and architecture.



ABOUT SKIT M&G

Swami Keshvanand Institute of Technology, Management and Gramothan (SKIT), inspired from the preaching of Swami Keshvanand, was established in the year 2000 by Technocrats and Managers Society for Advanced Learning. Today, the institute is recognized as one of the premier centres of academic excellence in the Northern India and it has been ranked no. 1 by Rajasthan Technical University, Kota in Engineering and Management courses.



ABOUT EC DEPARTMENT

The Department aims at educating and training students with sound knowledge and awareness in recent developments in electronics and communication technologies. Since its inception, the department broadly emphasizes on high quality education and on design aspects of electronic systems. It has well equipped laboratories that complement the high standards of the Institute. Experts from the industry are periodically invited to give lectures/demonstrations to the students on the latest developments in the field. Students are given exposure to industries by industrial visits and industrial training session. The B.Tech. program of the department has been twice accredited by NBA.



PROGRAMME CONTENTS

- Multifunctional Composite Materials
- Thin Film Technology
- Solar and Photovoltaic Devices
- Spintronics Materials and Technology
- Optics and Photonics
- Materials Characterization Techniques
- Hands-on Training on Software for Nano-phonic Applications
- Hands-on Training on Simulator for Semiconductor Devices
- Other relevant topics



IMPORTANT DATES

- Last date for submission of registration form : 15th June, 2018
- Intimation of selection by e-mail : 20th June, 2018
- Confirmation by participants : 25th June, 2018

ELIGIBILITY & SELECTION

Faculties from academic and research institutes in related disciplines are eligible to participate. The maximum number of participants is 40 and the selection of participants will be done in accordance with the rules of AICTE-ISTE.

b. Detail of funding if any:



INDIAN SOCIETY FOR TECHNICAL EDUCATION

(Under the Societies' Registration Act XXI of 1860)

Prof. Vijay D. Vaidya
Executive Secretary, ISTE

ISTE/AICTE-ISTE Induction/Refresher Program/2018

June 9, 2018

Dear Sir,

Sub : AICTE-ISTE Induction/Refresher Programs - regarding

Ref. : 1. Our offer letter dated March 12, 2018
2. Your willingness to conduct the program.

Sanction is hereby accorded to conduct AICTE-ISTE Induction/Refresher Program on **Nanotechnology : Recent Advancements and Challenges** during **02-07-2018 to 07-07-2018**.

You are requested to take steps to conduct the program subject to the following terms and conditions (as laid down by the AICTE and ISTE):

1. The total budget sanctioned for the program is Rs.3,00,000/- for 40 participants for one week. Expenses must not exceed the prescribed budget under any circumstances. **In case, the participants are more than 40, no additional funds will be made available by ISTE. However, if the number of participants is less than 40, the budget will be reduced accordingly under the sub-heads Boarding & lodging etc.**
2. Please prepare an information brochure on the program containing desired information and salient features of the program inviting applications from all the institutions in your area. Not more than 20% participants from the host institutions and remaining participants will be from the nearby institutions. Preference should be given to the participants having ISTE Life Membership and those who are not members, kindly ensure and arrange to enroll them as members of ISTE before/during commencement of the program.
3. The fund will be released in two instalments. The first instalment (50% of the total sanctioned budget) will be released before the commencement of the program and on the receipt of acceptance letter. The second instalment will be released after the receipt of the following documents:
 - a. Detailed schedule of the training program
 - b. List of resource persons invited with full address, brief bio-data, contact details, topics etc.
 - c. List of participants attended the training program.
 - d. Copy of question paper and mark sheet for the test conducted at the end of program.

C.

- e. Feedback of the participants with signature
- f. Photographs of the conducted events (@10 or more) of which 5 good photos in duplicate for submission to AICTE and a video CD of selected sessions.
- g. Audited statement of expenditure certified by registered and practicing Chartered Accountant firm.
- h. Two copies of proceedings

Note : The above should be countersigned by the Coordinator.

4. The expenditure under the Heads 'Honorarium to Course Coordinator' and 'Honorarium to Resource Persons' will not exceed 1% & 20% respectively of the total sanctioned grant for the program. However, overall expenditure will not be exceed the funds sanctioned for the program. Distribution of grant under different heads is as below :

Sl No.	Head of Expenditure	% of total amount	Amount in Rs.
a)	Boarding & Lodging to the participants	25	75,000
b)	TA to outstation participants	20	60,000
c)	Honorarium to Course coordinator	01	3,000
d)	Reading material to participants	08	24,000
e)	Honorarium to Resource Persons	20	60,000
f)	TA/DA to resource persons including two outstations resource persons	09	27,000
g)	Working expenses (reprographic services, services, postage, transport, daily wages, tea/coffee etc.)	17	51,000
	Total recommended Amount	100	3,00,000

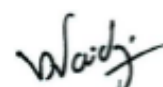
5. Any change in the schedule for holding the program, change of Coordinator's name, venue and date would require prior approval, failing which the offer for the grant already issued would be treated as automatically withdrawn.
6. The certification of these programs will be done by ISTE jointly with AICTE. A test should be conducted at the end of the program and the certificates will be issued only to those participants, who qualify the test.

7. In case the program is cancelled, the funds shall be called back from the institute by ISTE immediately alongwith interest accrued on the amount of grant released.
8. Surprise visits will be planned by AICTE and ISTE during the Program. The Executive Council Member/Section Chairman/SMC Member from your State or an expert from the nearby institution may be requested by the Hqrs. to pay visit during the program in order to monitor the progress of the program. They will have discussions with the course coordinator, resource persons and the participants. They will be submitting their report to ISTE which in turn will be submitted to AICTE.
9. The institute should submit statement of expenditure after completion of the program duly audited by certified Chartered Accountant Firm. Institute should keep supporting bills/documents in original with them. It should be made available in verification, if required in future.
10. The program cannot be combined with any other professional body. The Principal sponsor will be AICTE-ISTE and no other major sponsors are allowed.
11. Eminent personalities in the field must be invited as the resource person and minimum one good resource person from industry should be invited during the program.
12. You are requested to introduce one session on **Art of Living** during the program and **no registration fee should be charged to the participants**. This should be mentioned in registration form attached to the program brochure.

I am confident that the program being organized at your institute under your able leadership would be a grand success. Assuring you the best cooperation from our end at all times.

With best regards,

Yours sincerely,



(Prof. Vijay D. Vaidya)

To

Dr. Praveen Kumar Jain
Associate Professor
Swami Keshvanand Institute of Technology,
Management & Gramothan
Ramnagar, Jagatpura, Jaipur - 302017
RAJ
02-07-2018 to 07-07-2018

d. Souvenir: NIL

e. Proceedings : NIL

f. Photographs

Photographs of Program





5.

