



राष्ट्रीय तकनीकी शिक्षक प्रशिक्षण एवं अनुसंधान संस्थान
[मानव संसाधन विकास मंत्रालय, भारत सरकार द्वारा स्थापित]
सेक्टर 26, चंडीगढ़-160 019

**NATIONAL INSTITUTE OF TECHNICAL TEACHERS' TRAINING
AND RESEARCH**

अनुप्रयुक्त विज्ञान विभाग
Department of
Applied Science

(Established by Ministry of Human Resource Development, Govt. of India)
SECTOR 26, CHANDIGARH-160 019 (INDIA)
(ISO 9001:2008 Certified)

संदर्भ : एनआईटीटीटीआर/अ.वि./

Ref : NITTTR/App.Sc./BCC/OP-7/

006612

दिनांक:

14 JUL 2017

Date: 12.07.2017

40 The Principal,
College of Technology & Agriculture Engineering,
Maharana Partap University of Agri., & Tech,
Udaipur (Raj)-313001

Sub: Short Term Course on "Advances in Laser Technology" from 21-25 August, 2017
at NITTTR, Chandigarh (OPlan No.ID-37).

Dear Sir/Madam,

The Applied Science department of this institute is conducting the above mentioned short term course for the teachers of Applied Sciences and Engineering (Science background) from engineering colleges of our country. I hope you will agree with me that next to computers it is the laser that is bringing revolutionary changes in our lives and in this era of technological developments, all teachers working in technical institutions should be exposed to such kind of awareness programme. I shall be grateful if you kindly circulate the enclosed brochure among the teachers of Applied Sciences and Engineering in your institute and sponsor as many teachers as possible for attending this one week training programme.

Last date for receipt of Sponsored Applications is 14th August, 2017.

Thanking you,

(Dr. BC Choudhary)

Professor & Head and Course Coordinator
E-mail: bakhshish@yahoo.com

Encl: As above.



Regip cell
20/7.2017

Hindi Version Overleaf



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Date : 12.07.2017

विषय: 21-25 अगस्त, 2017 को संस्थान में आयोजित होने वाले “**Advances in Laser Technology**” नामक अल्पकालीन पाठ्यक्रम संबंधी (ओप्लान सं० आईडी-37)।

प्रिय महोदय/महोदया,

इस संस्थान का अनुप्रयुक्त विज्ञान विभाग देश के उत्तरी खण्ड के इंजीनियरी कॉलेजों के अनुप्रयुक्त विज्ञान तथा इंजीनियरी (जिनकी पृष्ठभूमि विज्ञान है) के शिक्षकों के लिए उपर्युक्त अल्पकालीन पाठ्यक्रम आयोजित कर रहा है। मुझे आशा है कि आप मेरे साथ सहमत होंगे कि कम्प्यूटर के बाद लेज़र ही है जो हमारे जीवन में क्रांतिकारी परिवर्तन ला रहा है तथा प्रौद्योगिकी संबंधी विकास के युग में तकनीकी संस्थानों में काम कर रहे हमारे सभी शिक्षकों को इस प्रकार के बोध कार्यक्रमों की जानकारी दी जानी चाहिए। मैं अति आभारी हूंगा यदि आप अपने संस्थान के अनुप्रयुक्त विज्ञान तथा इंजीनियरी के शिक्षकों में संलग्न विवरणिका परिचालित कर दें तथा इस एक सप्ताह के प्रशिक्षण कार्यक्रम में अधिक से अधिक शिक्षकों को भाग लेने के लिए भेजें।

भाग लेने के लिए आवेदन पत्र प्राप्त करने की अंतिम तिथि 14 अगस्त, 2017 है।

सधन्यवाद,

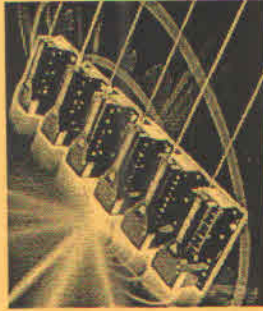
/ (डा० बी.सी. चौधरी)
प्रोफेसर एंड हेड तथा कोर्स समन्वयक

Short Term Course on

Advances in Laser Technology

(21 - 25 August 2017)

For
Teachers of Engineering Colleges



Venue:
NITTTR, Sector 26, Chandigarh

Organized by:

Department of Applied Science
National Institute of Technical Teachers'
Training & Research
Sector-26, Chandigarh-160 019.

NO PAYMENT/HONORARIUM IN CASH WOULD BE MADE TO ANY PARTICIPANT FOR ANY UNAVAILABLE FACILITY OF BOARDING/ LODGING.

4. FACILITIES

The institute is located in the educational complex in Sector 26 and the buildings include Main academic block, Computer centre, Educational television centre, Media centre block and New academic/administrative block, besides main hostel, post-graduate student hostel, student centre, and institute guest house. The institute library has a collection of more than 35,000 books, journals and other reading materials. The department has well established laboratories and testing equipments in the areas of general physics, lasers, fiber optics and nanotechnology.

5. HOW TO REACH THE INSTITUTE

NITTTR (Formerly TTTI), Chandigarh is located in educational complex of sector 26 on Madhya Marg facing Sector-7 (Landmarks- Homeopathy Medical College& Hospital, Institute for Blinds, SGGS College, CCET etc.) and is about 5 km from both ISBT Sector-17 and Railway Station. Auto rickshaws are readily available at both the place

LAST DATE FOR RECEIPT OF SPONSORED APPLICATIONS IS 14th AUGUST 2017.

Mail to:

Dr. BC CHOUDHARY
Professor & Course Coordinator,
Department of Applied Science,
National Institute of Technical Teachers'
Training & Research (NITTTR),
Sector 26, Chandigarh-160 019.

Phones:

PBX : 0172-2759500 Ext. 556
Direct: 0172- 2759556, (O):2759633
Fax : 0172-2793893
E-mail: <bakhshish@yahoo.com>
Mobile: 09417521382

OBJECTIVES

The advent of laser as a primary optical source is one of the most significant events of the 20th century. Since the announcement of the first laser, the subject of laser physics has developed at a rapid pace and lasers of wide varieties have been developed. Applying this new tool in physical and chemical processing of materials, consumer electronics, optical communication, medicines and many other areas has made amazing advances.

The objective of the course is to provide knowledge to the participants on the advancements taken place in the field of lasers and laser-based technologies. The emphasis of the course is on understanding lasing mechanisms, applications in different areas, laser handling and optics experiments using different lasers. Field visits will be arranged to supplement the factual knowledge about device with the applied aspects.

Course Contents

- LASERS: Overview and Developments;
- Lasing Principles, Design and Characteristics;
- Laser Types: Solid, Gas and Liquid;
- Laser Applications: Optical Communication, Material Processing, Holography, Hospitals etc.;
- Laboratory Experiments and Field visit etc.

ELIGIBILITY: Faculty of Applied Sciences and Engineering (Science background).

GENERAL INFORMATION & GUIDELINES FOR APPLICANTS

1. Procedure for Admission:

Admission is open to teachers of engineering colleges: Government, Govt.-aided, Private/Self-financing institutions duly approved by AICTE/MHRD. Interested teachers may submit their applications in the prescribed performa through proper channel so as to reach this institute on or before **14th August 2017**. Advance copy may be sent, but at the time of admission sponsorship from the appropriate authority must be produced.

2. Course Fee

Fee of Rs. 5000/-+ ST @ 18% (Total Rs. 5900/-) will be charged from participants from the ECs/Institutions covered under TEQIP project as DD in favor of Director, NITTTR Chandigarh or Cash. No course fee for participants from other technical Institutions: Government/Aided/ Private/ UIETs, provided they should be approved by AICTE/MHRD.

3. Payment of T/A/D, Boarding & Lodging

A) Govt./Govt.-aided Enge. Instts.:

T/A/D of participants from these institutions will be borne by NITTTR, Chandigarh as per institute rules. Any participant who without the approval of the competent authority, discontinues the programme at any stage, will forfeit the claim on T/A/D.

i) For reimbursement of T/A, the participants of the courses conducted at Chandigarh or at the state headquarters, would be limited to 2nd AC for Professors/Principals/Directors, for others 3rd AC/ AC chair car or the entitled class or actual, whichever is the least. The claimants will have to produce tickets in support of their claim for T/A.

ii) Local conveyance at all places is limited to Rs.200/- in general or reimbursement of actual expenditure on submission of genuine printed bills as per Govt. of India rules. Local participants shall be reimbursed Rs. 100/- per day on account of local conveyance.

B) Institutes/ECs covered under TEQIP Project:

Participants from institutes/ECs covered under TEQIP project, even if they are sponsored by state governments will have to bear T/A/D and boarding & lodging expenses either by themselves or through their sponsoring organization.

C) **Boarding & Lodging:** All outside participants (excluding those from institutions covered under TEQIP project) would be provided free boarding & lodging in the institute mess/hostels. *For this claim stay in the hostel is compulsory.* The local participants for training programmes at Chandigarh would be eligible only for the working lunch and tea at the institute on the working days of the training.

APPLICATION FORM

Short Term Course on

Advances in Laser Technology

(21-25 August 2017)

(For Engineering College Teachers)

1. Name (in BLOCK Letters): _____
 2. Educational Qualification(s): _____
 3. Designation & Department: _____
 4. Office Address: _____

 5. Fax: _____ Phone: _____
E-Mail: _____
 6. Address for correspondence: (if different from official Address)

 7. Years of Experience: _____
 8. Hostel accommodation required - Yes/No

 9. Signature of the Applicant _____ Countersigned
Date: _____ Place: _____
- Signature of the Sponsoring Authority
(with office seal)