



GIANI ZAIL SINGH CAMPUS
COLLEGE OF ENGINEERING & TECHNOLOGY, BATHINDA
(Maharaja Ranjit Singh Punjab Technical University, Bathinda)

Ref. No. 617

Dated: 22/5/17

To
The Directors/Principals of Constituent/Affiliated Colleges of MRSPTU, Bathinda.
(via email only)

**Subject: - Regarding organizing one week Short Term Training Programme (STTP) from
03-07 July, 2017 at GZSCCET, Bathinda.**

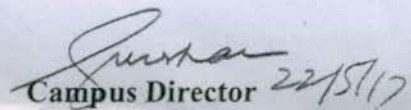
Respected Sir/Madam,

This is for your kind information that Department of Applied Physics is going to organize one week Short Term Training Programme on '**Laser Developments and Applications**' in collaboration with NITTTR, Chandigarh from 03-07 July, 2017. The faculty of Applied Sciences and Engineering disciplines (science background only) can apply till 28th June, 2017. Kindly convey and recommend your faculty to participate in the STTP.

- Detailed information brochure and format for application form is enclosed along with.
- For detailed information you can also visit <http://gzscampus.org/> or <http://www.mrsptu.ac.in/>.
- Seats are limited.

Address for Correspondence

Dr. Sandeep Kansal, (Prof. & Head)
Dr. Gagan Gupta (Assistant Professor)
Applied Physics Department,
GZSCCET, Bathinda (Pb)-151001,
Mob. No.-8725072414, 8725072490
Email:- sttpgz2017@gmail.com


Campus Director 22/5/17

Copy To:

1. PA to Honorable Vice Chancellor, MRSPTU, Bathinda for the information of the Vice Chancellor, please.
2. Registrar, MRSPTU, Bathinda for the information of the Registrar, please.
3. Director IT Enabled Services, MRSPTU, Bathinda for uploading this letter on MRSPTU and GZSCCET, Bathinda websites.

About NITTTR, Chandigarh

Since its inception in 1967, NITTTR (formerly TTTI) Chandigarh has made rapid strides in the areas of engineering and technology and emerging areas like computer, educational technology, entrepreneurship development, rural development, industry-institute interaction and educational management. Presently, the institute conducts more than 400 short-term training programs annually for polytechnics and engineering college teachers, professionals and managers of industries. The institute also conducts a large number of AICTE sponsored summer and Winter Schools every year. The institute offers postgraduate programs in engineering education through regular and modular modes. In addition to education and training programs, the institute renders extension services to technical institutions, undertakes research and development projects and develops print and non-print instructional materials.

GZSCCET, Bathinda

Giani Zail Singh Campus College of Engg. and Tech., Bathinda is the first institute in Punjab established with the full funding of state government in the year 1989 when the hon'ble Governor of Punjab Sh.S.S.Ray laid the foundation stone on 23rd October, 1989. Initially set up as Government Engineering College, it was converted in to an autonomous institute in the year 1992 and a "Board of Governors" (BOG) was constituted to manage the affairs of the College. The College was then upgraded in 2011 as a Campus of Punjab Technical University Jalandhar under the name GZS PTU Campus, Bathinda. Now College is elevated as a constituent college of

Maharaja Ranjit Singh Punjab technical university in 2015 and provides an excellent academic environment under able guidance of well-qualified and highly dedicated faculty.

Department of Applied Physics

The department of Applied Physics was established in 2012 with an ambition to pursue high-level teaching methodologies and superlative research in advanced areas of experimental and theoretical physics, and interdisciplinary areas of science and technology. Presently, the department supports undergraduate B.Tech programs of the institute and offers two year M.Sc. and Ph.D. programs in Physics. Major strength of the department is its Faculty with vast teaching and research experience. The faculty of department is involved in the diversified research areas of Physical Sciences including Radiation Physics, Atomic Physics, Nuclear Physics, Condensed matter Physics, Nontechnology, Ferroelectric Ceramics, Polymer Composite Films, Astrophysics and Planetary Sciences.

How to reach GZSCCET, Bathinda

The College is located on the out skirts of Bathinda on Dabwali road. Route is well connected via rail and road.

Distances

- 7 km from the Bathinda Railway Station.
- 5 km from the Bathinda Bus stand.
- 210 km from Chandigarh.
- 300 km from Delhi by Rail and 345 km by Bus.
- 155 km from Patiala.

Short Term Course on

Laser Developments and Applications (3rd -7th, July 2017)

In association with

National Institute of Technical Teacher's Training
and Research (NITTTR) Chandigarh)



PATRON

Prof. (Dr.) Gursharan Singh
(Campus Director)



Organized by

Department of Applied Physics

GZS Campus College of Engg. & Tech., Bathinda
(Constituent College of MRSPTU, Bathinda, Punjab)

Objectives

The objective of the course is to enhance the knowledge of participants about development of lasers and laser-based technologies. The emphasis of the course is on understanding laser properties, lasing conditions and mechanisms, laser types, applications in different areas, laser handling and optics experiments using different lasers. Field visits will be arranged to supplement the actual 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 visits.

Procedure for Admission:

Admission is open for the faculty of Applied Science and Engineering disciplines (science background only) belonging to 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 **28th June, 2017**. Advance copy may be sent, but at the time of admission sponsorship from the appropriate authority must be produced. Limited seats are available and will be filled on 1st come and 1st served basis.

Course Fee

No course fee from the participants of AICTE approved institutes whose names are sponsored by the competent authority (Principal/Director).

Programme Coordinator

Dr. B. C. Choudhary
Professor and Head,
Applied Science Department,
NITTTR, Sector 26,
Chandigarh-160 019.

Local Coordinators

Chief Coordinator

1. Dr. Sandeep Kansal (Prof. and Head)
Department of Applied physics

Coordinators

1. Dr. Gagan Gupta (Assist. Prof.)
2. Dr. Veena Sharma (Assist. Prof.)
3. Dr. Pooja Devi (Assist. Prof.)
4. Dr. Satnam Singh (Assist. Prof.)

Assisting Staff

1. Mr. Jaswinder Singh (Lab. Suptt.)
2. Mr. Rahul Menon (Jr. Tech.)
3. Mr. Amit Singla (JRF, Physics)

Address for correspondence

Dr. Sandeep Kansal, (Prof. and Head) and

Dr. Gagan Gupta (Assistant Professor)
Applied Physics Department, GZSCCET,
Bathinda (Pb)-151001,
Mob. No.-8725072414, 8725072490
Email:- sttpgz2017@gmail.com

Note: Advance copy of application can be emailed to above addresses for immediate action

APPLICATION FORM

Short Term Course
on
Laser Developments and Applications
at
GZS Campus College of Engg. & Tech., Bathinda
(Constituent College of MRSPTU, Bathinda)
on
(3rd -7th, July 2017)

For Faculty of Applied Sciences and Engineering

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

4. Address: _____

_____ Phone: _____
Fax: _____ E-Mail: _____
5. Whether the Institute is
 Govt. Govt. -aided
 Private TEQIP-II
6. Years of Experience : _____
7. Signature of the Applicant
Date: _____ Place: _____

Recommended by

Signature with seal

(Principal/Head of the sponsoring institute)