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**ER TARUN GUPTA**

ASSOCIATE VICE-PRESIDENT, MothersonSumi Infotech & Design Ltd

## CHIEF-COORDINATOR CUM ORGANIZING CHAIR

**PROF (DR) SAVINA BANSAL**

CAMPUS DIRECTOR, GZSCCET-MRSPTU, Bathinda

and DEAN ACADEMIC AFFAIRS, MRSPTU, Bathinda

## AICTE-MRSPTU MOU LIASIONING COORDINATORS

**COL. B VENKAT**

DIRECTOR (FDC), AICTE, New Delhi

**PROF (DR) BALWINDER SINGH SIDHU**

PROFESSOR, GZSCCET-MRSPTU, Bathinda

## CONVENOR

**DR NEERAJ GILL**

Head of Deptt-ECE, GZSCCET-MRSPTU, Bathinda

## FDP COORDINATOR

**PROF (DR) RK BANSAL**

PROFESSOR-ECE, GZSCCET-MRSPTU, Bathinda

## FDP CO-COORDINATOR

**ER SUKHJINDER SINGH**

ASSISTANT PROFESSOR-ECE, GZSCCET-MRSPTU, Bathinda

## CORRESPONDENCE

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## LINK FOR REGISTRATION

<https://forms.gle/TmZCyp2jzQmjjLyP9>



OR

Scan Static QR Code  
for Registration

(REGISTRATION - FREE)

Last Date to Apply: 12th Feb 2021, 12:00noon

## E-CERTIFICATES

E-Certificates will be issued to all registered eligible participants (80% - Attendance & 60% - Test Score) after filling the feedback form.

## TARGET PARTICIPANTS

**100 PARTICIPANTS**

(Faculty Members | Industry Persons | R Scholars)

Preference shall be given to teachers from AICTE approved institutions affiliated with MRSPTU

## CONTENTS TO BE COVERED

This FDP/STTP shall focus on the importance of IoT and its applications in various fields and shall include talks on:

- 5G and related Mobile Technologies
- Arduino based Design
- Digital India
- Energy Efficient Computing & IoT
- IoT- Overview , IoT Security & Implementation
- IoT-Applications, Challenges & Issues
- IoT & Blockchain
- Stress Management
- Wireless Networks
- NEP & Latex (Special-Session)

Resource Persons from Premier  
Institutions/Organizations of the Country



# AICTE-MRSPTU SPONSORED

Six Days

## ONLINE FACULTY DEVELOPMENT PROGRAM

(Under AICTE-MRSPTU MoU Program)

On

# INTERNET OF THINGS & ITS APPLICATIONS

(15TH-20TH FEBRUARY 2021)

Organised by



## DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGG



# GIANI ZAIL SINGH CAMPUS

## COLLEGE OF ENGG. & TECH., MRSPTU

Dabwali Road, Bathinda-151001, Punjab

(AICTE Approved Oldest Technical institute Established By Government of Punjab in 1989)

✉ fdpgzscet@mrsptu.ac.in www.gzscampus.ac.in



## ABOUT THE INSTITUTE

Established in 1989, “GZS Campus College of Engineering & Technology, MRSPTU”, Bathinda is the oldest AICTE approved engineering institute in the Government sector in the state of Punjab. It was granted administrative autonomy in 1992. Erstwhile, a second campus of Inder Kumar Gujral PTU, Jalandhar in 2011, presently it is one of the constituent colleges of Maharaja Ranjit Singh PTU, Bathinda. With over 30-years of experience in imparting technical education, this premiere institute provides an excellent academic environment under the able guidance of well-qualified/experienced faculty. Today, the institute provides education leading to the awards of BTech; MTech and PhD in the various disciplines of Engineering including Civil; Computers; Electrical; Electronics & Communication; Mechanical and Textile Engg. With a strong alumni base with global connect, institute provides flexible “Choice based credit system” with optional additional “Minor Engineering” and “Honors in Engineering” on the lines of IIT pattern.

## ABOUT THE DEPARTMENT



Established in 1989, Presently the department is running the courses at BTech; MTech and PhD level. Deptt also has AICTE-QIP centre for undertaking full-time PhD. It provides excellent human resource facilities to carry out research work. It provides research and teaching in the emerging areas of Communication Engineering and has to its credit several reputed research publications in peer-reviewed International Journals and Conferences. The broad area of research and academic activities are communication systems, Microelectronics and VLSI, RF and Microwave Engineering and Internet of Things. Several PhD scholars are currently engaged in cutting edge research.

It offers several platforms like ‘SECOM’ & ‘ELEKTRONIKA’ for all round development of students. It has well established and upgraded labs with AICTE-MODROBs and TEQIP-II grants.

## MRSPTU-AICTE MoU & COLLABORATION

Maharaja Ranjit Singh Punjab Technical University (MRSPTU), Bathinda is a State affiliating Technical University, established by Govt. of Punjab vide Punjab Act No. 5(2015) u/s 2(f) and approved u/s 12B of UGC Act, 1956. It caters to Education spreading over the Faculties of Sciences, Engineering & Technology, Pharmacy, Architecture, Hospitality and Tourism Management, Commerce & Management. It offers UG, PG and Doctoral programmes in various disciplines of Engg & Technology, Architecture & Planning, Management, Sciences, Pharmacy and Food Sciences, besides running Skill Development programs. MRSPTU has signed a MoU with AICTE on 20th November 2018 with validity of 5-years, to conduct Faculty Development Programs in the Globally upcoming areas of Engg & Tech, for the enhancement of skills of various stake holders in imparting Technical education in AICTE approved institutes.

Set up in November 1945, All India Council for Technical Education is a statutory body and a National-level Council for Technical Education, under the Department of Higher Education, Govt of India. It has the mandate for Promotion, Regulation and Maintenance of Quality, Planning and Coordinated Development of Technical Education System throughout the country. This FDP is a humble attempt in this direction.



## ABOUT THE FDP/STTP

‘Internet of Things & its Applications’ is an upcoming and emerging thrust area for automating and interconnecting physical devices or sensors, through Internet without any human intervention, which cannot otherwise directly communicate. It lies at the heart of making Smart Cities, Smart homes, Smart Grids, Smart vehicles, Smart farming and holds a vast potential for future generation engineering applications. This FDP shall broadly cover the fundamentals of IoT, its applications, Components, Challenges and other Issues. This FDP/STTP shall play an important role in preparing a dedicated task force in the area of IoT applications viz-a-viz development of smart city projects of Govt of India.



MAHARAJA RANJIT SINGH PUNJAB TECHNICAL UNIVERSITY



HOSTELS @ GZSCCET-MRSPTU