

### Application Form

1. Name (in block letters) -----
2. Sex: Male  Female
3. Category: General  Reserved
4. Highest Academic Qualification -----
5. Specialization -----
6. Designation & pay scale -----
7. Name of the organization -----
8. Experience: (a) Teaching  (b) Industrial
9. Address for communication

.....  
.....  
..... PIN .....

Mobile No: -----  
E-mail -----

10. Choice of Accommodation Guest House/ Hostel/  
Will make my own arrangement.

Please register me for the course on “Urban Traffic System and Planning” to be held at Bundelkhand Institute of Engineering and Technology Jhansi (UP) during 5-9 March, 2019. I am sending an advance copy of this application and scanned copy of the demand draft (only in case of non-mapped Institutions) by email on “[abhaikumarverma@gmail.com](mailto:abhaikumarverma@gmail.com)” to the coordinator of the course. I undertake to send the Hard copy signed by the Head of my Institution.

I will also send the demand draft (only in case of non-mapped Institutions) for registration fee along with the application.

Place.....

Date..... Signature of the applicant  
**SPONSORSHIP / NOMINATION CERTIFICATE**

Prof./Dr./Mr./Ms./Mrs.....  
is a Faculty Member of our institute and his/her application is hereby sponsored/ nominated. The applicant is permitted to attend the short term course “Urban Traffic System and Planning” at Bundelkhand Institute of Engineering and Technology Jhansi (UP) during 05/03/2019 to 09/03/2019 if selected.

I also certify that our institute/college is under the “Institution List” of 3rd phase of TEQIP Project of MHRD. (Strike this sentence in case of non- mapped institution)

Date:

Signature of Authority  
(Designation)

### ABOUT THE COURSE / EVENT

Traffic System and Planning have had several decades of history around the world, though it is not sufficiently well-understood and practiced in many cities and townships in India, outside of the larger metro areas where rapid developments have happened in the past two decades. Though many Indian universities lately produce graduates who are well- versed in transportation planning, expertise in traffic control still requires a certain level of nation-wide maturity. This is particularly so, when it comes to the detection of traffic state in the networks, and use of real-time information, including the use of applications and other facilities possible via smart phone communication that is prevalent in India. Thus it is timely that policy-makers, professionals, academics and students of transportation systems are exposed to the fundamentals of traffic behaviors and control within a more information-rich environment that is increasingly available now. Internationally acclaimed academicians, researchers and practitioners with proven knowledge, experience, and demonstrable ability in teaching, consultancy, research, and training in the field of Traffic Planning will deliver lectures and discuss potential research problems in the course.

### COURSE CONTENTS

- Traffic flow: Introduction, basic variables and their measurement
- Traffic Flow theory fundamentals, Continuity Equations, Shockwaves, and Numerical models
- Traffic simulation fundamentals
- Roles of ITS in urban traffic
- Traffic Detection techniques
- Traffic flow in connected and future autonomous environments
- Dynamic traffic assignment schemes for efficient operation

### ELIGIBILITY

**Participants from Mapped Institution**  
Faculty members and Students from TEQIP mapped Institutions/ Engineering Colleges /ATUs can attend this course with No Registration Fee. TA & DA for the eligible participants will be reimbursed from their respective institutions.

**Participants from Non-Mapped Institution:**  
Participants (Faculties, Students, Scientists and Engineers) from non- mapped institutions can also attend this course after paying the requisite Registration FEE. For registration fee details, refer the

course website:  
<http://www.bietjhs.ac.in/Transportation/TEQIP-UTSAP/>

### BOARDING AND LODGING

Boarding and lodging facilities in Institute Guest House (on twin sharing basis) or Hostel rooms will be provided for all the participants on payments.

### IMPORTANT DATES

- Last date for the receipt of duly sponsored application By email (scanned copy) 15/02/2019
- Hard copy must reach by 20/02/2019
- Intimation of selection 16/02/2019

### SELECTION CRITERIA

Number of seats: 30.

Selection will be based on First cum first served basis. Registration fee (in case of non-mapped institutions) should be paid in the form of demand draft in favor of Director, BIET Jhansi.

### ADDRESS FOR CORRESPONDENCE

Dr. Rajendra Kumar Kaushal

Associate Professor,

Department of Civil Engineering

BIET Jhansi,

Kanpur Road, Jhansi (UP) India, PIN - 284128

Email: [rajendra.kaushal02@gmail.com](mailto:rajendra.kaushal02@gmail.com)

Mobile: +91-9415508099, Mobile: +91-9415136394

Selected participants will be informed by e-mail.

### **ABOUT BIET JHANSI**

Bundelkhand Institute of Engineering & Technology Jhansi (formerly Bundelkhand Engineering College Jhansi) was established in the year 1986 with an objective to develop Bundelkhand region through growth of Technical Education. It is spread over a sprawling 250 hectares green land on Kanpur side of NH-25 Highway in Jhansi, around 10 km from the heart of the city. With natural landscape and vast open spaces, the campus provides an ideal setting for training. The academic activities started in 1989 with two branches i.e. Computer Science & Engineering and Electronics and Instrumentation Engineering with an initial intake of 30 in each branch. After the initial set up of two disciplines the Institute gradually added the Civil Engineering, Mechanical Engineering, Chemical Engineering, Information Technology and Electrical Engineering in subsequent phases. All PG courses with MBA came into existence in the subsequent years. The Institute is imparted to scale-up PG and Doctoral programs by starting new PG courses in the thrust areas in order to give an impetus to in-house research efforts.

### **ABOUT CIVIL ENGINEERING DEPARTMENT**

Civil Engineering Department at Bundelkhand Institute of Engineering and Technology Jhansi, functions as a unique center for UG and PG programs as well as interdisciplinary Innovative research work with a focus to impart knowledge, infusing innovation and leading a path to achieve academic excellence. Its activities are in the area of improving quality of technical education,

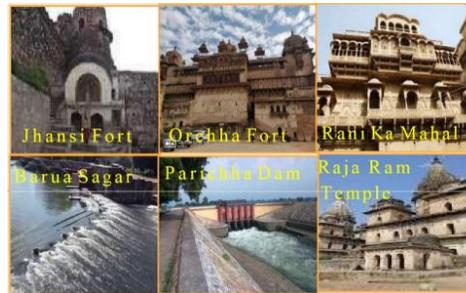
### **ABOUT TEQIP**

TEQIP conceived in pursuance of the NPE-1986 (revised in 1992) by Government of India as a long term program to be implemented in different phases. After successful execution of TEQIP I, TEQIP II; TEQIP III starts from 2017-18 as Central Sector Scheme with a focus on the Low Income States, Northeast, Hill States and Islands. The third phase of

TEQIP is also special in a way that it incorporates twinning arrangements between mentee & mentor institutions with an emphasis on focused training and focused interventions from Mentors in terms of deliverables and accountability.

### **ABOUT JHANSI**

Jhansi is one of the beautiful cities of Uttar Pradesh. The city is synonymous with the name of Rani Jhansi. The history and culture of Jhansi in Bundelkhand region attract tourists from all over the world. The city was mainly ruled by Chandela kings, previously known as Balwant Nagar, located in the heart of Bundelkhand region.



Jhansi is famous for various tourists' places. One of the major tourists attraction is the fort of Jhansi situated atop a rocky hill. The fort was built by Raja Bir Singh Ju-Deo of Orchha in 1613. The Jhansi museum is another tourist's attraction in the city.

### **ORGANIZING COMMITTEE**

**Patron**

**Prof. V. K. Tyagi, Director  
Chairman**

**Prof. A. K. Nigam, HOD  
Coordinators**

**Prof. Abhai Kumar Verma**

**Dr. R. K. Kaushal**

**TEQIP III Coordinators**

**Prof. A. K. Nigam**

**Prof. A. K. Srivastava**

### **TECHNICAL EDUCATION QUALITY IMPROVEMENT PROGRAM –III**

**Assisted**

**One Week**

**FACULTY DEVELOPMENT PROGRAM**

**ON**

**URBAN TRAFFIC SYSTEM AND PLANNING**

**March 5-9, 2019**



**TEQIP-3**

Technical Education Quality Improvement Programme



**Organized by**

**PDA College of Engineering  
Kalaburgi (Karnataka)**

**&**

**Department Of Civil Engineering  
Bundelkhand Institute of**

**Engineering and Technology Jhansi**  
(A Government Aided Autonomous Institution)

**NH-25, Kanpur Road Jhansi (UP) 284128**