Overview of the FDP:
Globalization and urbanization has led increases in the standard of human living which has resulted in high rates of resource consumption and intern generating unmanageable “solid waste”. The solid has to be addressed by the governing bodies to keep up the public health in good condition. However, the solid waste generated beyond the handling capacities of urban agencies has unintended and negative impact on the urban environment. If there are any lapses in solid waste management, then the human health will be negatively impacted. The major challenges include consistency in the collection, transportation, segregation, treatment and disposal. Solid waste collection refers to collection efficiency, vehicle routing and collection centers. Solid waste treatment refers to the application of various physical, chemical and biological methods such that the solid waste is disposed of safely (not impacting the environment). At present, the course on solid waste management offered in various universities lacks the details of integrating the codal provisions while designing the systems. While teaching the course, the modern pedagogic approaches and using free and open source software in teaching the course on “solid waste management”.

Objectives of the FDP:
- To enable the participants to gain the state of the art knowledge in collecting the solid waste.
- To enable the participants to teach the various aspects of solid waste treatment components effectively by emphasizing the latest practices and operations.
- To enable the participants to learn the new pedagogic approaches and using free and open source software in teaching the course on “solid waste management”.

Topics to be covered:
This FDP will focus on the effective teaching and learning of various principles for the collecting, treating and disposing the solid waste. The main topics are:
- Solid waste classification and characteristics
- Collection, transportation, segregation, treatment and disposal of solids waste
- Various methods for solid waste treatment
- Landfill designs and maintenance
- Advanced solid waste segregation and treatment techniques
- Waste to energy options
- Biomedical waste management during COVID-19 pandemic
- Research areas and funding opportunities

Resource Persons:
Eminent Faculty from IITs, NITs, NITTTRs, Central Universities, Teaching Learning Centers and Senior Faculty from NIT Warangal.

Mode of Delivery:
Resource Persons will deliver the online lectures and hands-on sessions through, Google-Meet platform. The essence of the FDP is to improve the teaching ability of the teachers and enabling the learners to learn. The theme of the FDP is a way in building capacity of making better teachers. Lectures can be presentation mode, Discussions and hands-on sessions. Ultimate goal of the FDP is to develop the faculty members in the new pedagogy and emerging areas of science and technology.

Registration is open to:
The program is open to all NBA and AICTE approved Engineering/Polytechnic college teachers, industry and field/practicing engineers and students. The number of participants is approximately 100 and selection will be based on priority basis. The Brochure and details of the Registration Form can be downloaded from the institute website.

Call for Registration and Participation

Organized by the
DEPARTMENT OF CIVIL ENGINEERING
In Association with the
TEACHING LEARNING CENTRE
Established under the Scheme of PMMNMNTT,
Ministry of Education, Govt. of India

NATIONAL INSTITUTE OF TECHNOLOGY
WARANGAL
Warangal - 506 004, Telangana
TEACHING LEARNING CENTRE
(A Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching)
Eligible candidates may apply by submitting the scanned copy of the filled in registration form (attached with this mail/brochure) by E-mail to etlpmsw@gmail.com on or before 05-01-2021 along with the requisite Registration Fee.

**How to Apply:**

Eligible candidates may apply by submitting the scanned copy of the filled in registration form (attached with this mail/brochure) by E-mail to etlpmsw@gmail.com on or before 05-01-2021 along with the requisite Registration Fee.

**Registration Form:**

Faculty members can also complete their Registration Online by filling the Google Form given here under:

https://docs.google.com/forms/d/e/1FAIpQLSdAZwnWlB9LSnLPkrab5k4pAGXZVZbk4ZEm1NMzELZn90UJg/viewform?usp=pp_url

**Note:** Keep the payment receipt ready as a PDF file (size < 1 MB). Keep the scan copy of the registration form as PDF file (size <= 1 MB).

**Registration Fee:**

<table>
<thead>
<tr>
<th>Category of Participants</th>
<th>Amount in Rs.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Faculty Members</td>
<td>750/-</td>
</tr>
<tr>
<td>Research Scholars</td>
<td>400/-</td>
</tr>
</tbody>
</table>

**Bank Details:**

Registration fee need to be remitted through On-line / NEFT to the Bank account given below. Scanned copy of the DD / Proof of remittance of the requisite registration fee (with transaction number if online transaction) shall be sent as attachment by E-mail to etlpmsw@gmail.com

**Account Name** | Director, Research Account, NITW
**Account Number** | 62266262236
**Bank** | State Bank of India (SBI)
**Branch** | NIT Warangal Campus
**IFSC code** | SBIN0020149

**Confirmation of Participation:**

On receipt of the registration form along with proof of payment of registration fee, participants will be sent confirmation of their participation through E-mail by 15-01-2021. The number of participants for this program is approximately 100.

**Brief profile of the Department:**

The Department of Civil Engineering has been one of the pioneering academic departments of the National Institute of Technology, Warangal since the inception of the institute in 1959. The department offers UG program in Civil Engineering and PG programs in seven disciplines. It is one of the centers recognized by the Ministry of Human Resources Development, Government of India, for the engineering college teachers to pursue their M.Tech. and Ph.D. programs under the Quality Improvement Program, since 1978. The department is well equipped for carrying out research in upcoming areas of Civil Engineering. It has taken lead role in organizing a number of continuing education and faculty development programs for the field engineers and teachers of engineering colleges. A number of seminars and conferences have been successfully organized to provide a platform for academicians and engineers to disseminate and update their knowledge. The department offers consultancy and testing services also.

**Teaching Learning Centre of NIT Warangal:**

The Teaching Learning Centre (TLC) is established at NIT Warangal with grants from the MHRD, under the scheme, ‘Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching’ (PMMMNTT). Many senior and young faculty members across various departments of the Institute are associated with this Center as the Core-Team. One of the important objectives of the center is to conduct training programs for aspiring, newly inducted and in-service faculty in Science, Engineering and Social Sciences disciplines in higher education. Other activities of the TLC include preparation of print and e-learning materials, offering courses on-line, curriculum development, carrying out research in educational technology and pedagogy and integrating with E&ICT into teaching-learning process. A permanent multi-floor establishment with Training Halls, Studio, MOODLE and MOOCs, etc. facilities is under construction. The TLC has special programmes of training for the marginalized and women-faculty.

**About NIT Warangal:**

National Institute of Technology Warangal, formerly known as Regional Engineering College was established in 1959. Over the years it has developed into a premier institute of higher learning and is ranked among the top technical education institutions in India. There are 14 Departments offering eight undergraduate and 31 post-graduate programs besides doctoral programmes. About 5000 students across the country and about 500 international students study on the campus. It is a fully residential campus sprawling over 250 acres with excellent infrastructure in the form of state of the art library, seminar halls, guest houses and research laboratories.

For any queries regarding the FDP, please contact the Programme Coordinators:

Dr. P. Sridhar, Asst. Prof., Dept. of Civil Engg.;
9100418795, etlpmsw@gmail.com
Dr. C. Sumanth, Asst. Prof., Dept. of Civil Engg.;
9278275215, sumanthchinthal@nitw.ac.in

For further details about Teaching Learning Centre, please contact:

Prof. A. Ramachandraiah
Professor-in-Charge and Coordinator,
Teaching Learning Centre (TLC),
National Institute of Technology, Warangal
E-mail: archem@nitw.ac.in; mtlc.nitw@nitw.ac.in
8332969704; 0870-2462686;
REGISTRATION FORM

Name:_____________________________________________________

Date of Birth:_____________________________________________________

Place of Birth: Village/Town/City:________________________ District: __________________

Tick as applicable (Rural / Urban): __________________ State: __________________

Aadhaar number: __________________________ Gender (Put a ✓ Mark) M F

Category (Tick as applicable): Open / OBC / SC / ST / PWD

Qualification: ________________________________________________

Designation: _______________________________________________

Organization: _______________________________________________

No. of Years of Teaching Experience: ____________________________

Address for Correspondence: __________________________________

___________________________________________________________

___________________________________________________________

Mobile(s): __________________________ E-mail(s): __________________________

Payment Details: Amount: ___________ Transaction No.: __________________________

Date: _________________ Bank: __________________________ Branch: __________________________

Declaration by the Applicant

If selected, I agree to abide by the rules and regulations of the workshop/training programme and shall attend all the sessions.

** Kindly go through the brochure before making payment

Date: __________________________ Signature of the Applicant

Recommended and Forwarded

Office Seal Signature of the Head of the Department / Institution