Two-day Hands-on Training Programme on Bituminous Mix Design

Join with us and master the core technical aspects of Marshall Mix Design

Resource persons

Dr. J. Murali krishnan
Professor, Dept. of Civil Engg.
IIT Madras

Mr. A. Pugazhenthri
Tech. Supt., Dept. of Civil Engg.
IIT Madras

Dr. M. R. Nivitha
Asst. Prof., Dept. of Civil Engg.
PSG Tech

What we offer through the programme?

- Aggregate proportioning
- Specific gravity for bitumen and aggregate
- Bituminous mix preparation
- Volumetric properties
- Test on Marshall samples
- Determination of OBC

11 - 12, December, 2023

Limited

30 Seats Only

PSG Tech, Avinashi road
Peelamedu, Coimbatore

More Information

95855 34754 Dr. M. R. Nivitha
63803 27326 Ms. R. Dhoushika

For details & registration form please scan me

Registration form to be sent to
mtn.civil@psgtech.ac.in

www.psgtech.edu

mtn.civil@psgtech.ac.in
ABOUT THE TRAINING PROGRAMME

In India, more than 95% of the road infrastructure is bituminous pavement where typically the top two layers are bituminous layers. The performance of the bituminous layers depends on the pavement design, choice of the materials used, the mix design, and construction aspects. Here, the bituminous mix design is considered to play a significant role. A number of mix design procedures such as the Marshall, Hveem, Superpave are available. In India, Marshall method is commonly adopted. Marshall method of bituminous mix design aims to determine the optimal proportion of bitumen, for a given aggregate gradation to produce a mix which exhibits ‘desirable’ values in terms of air voids, strength and stability. The mix design is however not straight forward. A number of intricate parameters have to be carefully addressed to obtain a correct mix design. The objective of this programme is to provide a detailed exposure to the technical aspects related to mix design. The training programme will cover the components of mix design as listed below.

i) Sieve analysis
ii) Aggregate proportioning to meet MoRTH specifications for BC and DBM
iii) Specific gravity for bitumen and aggregates
iv) Bituminous mix preparation
v) Measurement of theoretical maximum (G_{max}) and bulk specific gravity (G_{bs}) of mix
vi) Volumetric properties of mix
vii) Testing for Marshall stability and flow
viii) Determination of optimum bitumen content

Hands-on training of all the above listed procedure will be provided by the experts. At the end of the training programme, the participants will acquire sufficient knowledge to execute a precise bituminous mix design.

EXPECTED PARTICIPANTS

- Practicing Engineers, Faculty, Research scholars and PG students from Engineering colleges.
REGISTRATION DETAILS

Important Dates to Remember:

- Last date for submission of registration form: 04-12-2023
- Intimation of selected participants: 05-12-2023
- Last date for payment of registration fee: 08-12-2023

How to apply?

1) Interested participants can apply by sending the duly filled registration form to the organizing secretary.

2) On intimation of selection, the participants can confirm their acceptance by mail and pay the registration fee. The account details will be shared along with intimation of selection.

Registration fee:

- Practicing Engineers: ₹ 2000/-
- Faculties: ₹ 1500/-
- Ph.D. and PG scholars: ₹ 1000/-

The registration fee includes participant kit, lunch and refreshments.

The fee paid will not be refunded under any circumstances for the selected participants.

The number of participants is limited to 30 on a first-come-first-served basis.

The duly filled Registration form is to be sent to:

Dr M R Nivitha
Assistant Professor (Sr. Gr.)
Department of Civil Engineering
PSG College of Technology
Coimbatore - 641 004
Mobile: 9855534754
E-mail: mrn.civil@psgtech.ac.in

For more details log on to www.psgtech.edu

ABOUT THE COLLEGE

PSG College of Technology, established in 1951, is one of the many educational institutions nurtured by PSG & Sons’ Charities Trust. The college is Government-Aided, Autonomous, ISO 9001 2015 certified and affiliated to Anna University. Equipped with latest facilities and excellent infrastructures, the college offers a total of 48 full-time and part-time programmes in Science, Engineering and Management at UG & PG levels. The institution has a strong alumni base, most of them occupying coveted positions in many educational, industrial and research organizations all over the world. Currently more than 505 research scholars, both full-time and part-time, are working for their Ph.D. degree. The College has developed 25 Centers of Excellence in various disciplines. More research facilities have been created in tie-up with numerous leading industries worldwide.

ABOUT THE DEPARTMENT

The Department of Civil Engineering was started in the year 1963 and has been offering UG programme since then. It also conducts one Postgraduate programme in Structural Engineering since 1963. The Department has 20 faculty members specialized in different areas of Civil Engineering. The department has organized many international conferences and national conferences, many summer/winter school, several short-term refresher courses, seminars and workshops. It has also established a very good industry-institute interaction by offering consultancy and testing for various government and private organizations. The college has MoU’s with leading industry for training the students and faculty. Several PhD degrees have been awarded and currently 15 students are pursuing their research work in the department. Many sponsored research projects have also been completed. The department has well-equipped laboratories in different areas of specialization catering to the student projects and the consultancy works alike.

DEPARTMENT OF CIVIL ENGINEERING
PSG COLLEGE OF TECHNOLOGY
COIMBATORE – 641 004

“Two-day Hands-on Training Programme on Bituminous Mix Design”
December 11-12, 2023

REGISTRATION FORM

| Name (in Block Letters): | .................................................. |
| Date of birth & Age: | .................................................. |
| Gender: | .................................................. |
| Qualification: | .................................................. |
| Designation & Dept.: | .................................................. |
| Organization: | .................................................. |
| Experience: | .................................................. |
| Address for: | .................................................. |
| Communication: | .................................................. |
| Mob No.: | .................................................. |
| Email Id: | .................................................. |

DECLARATION BY THE CANDIDATE

The given information is true to the best of my knowledge. I agree to abide by the rules and regulations governing the programme.

Place: ..................................................

Date: ..................................................

Signature of the participant