



**GMR Institute of Technology, Rajam
Andhra Pradesh**

(UGC-Autonomous Institution, Affiliated to JNTU Kakinada, Accredited by NBA and NAAC with A-Grade)

&

**B. V. Raju Institute of Technology,
Narsapur, Telangana State**

(UGC- Autonomous Institution, Affiliated to JNTU Hyderabad, Accredited by NBA and NAAC with A-Grade)

Department of Civil Engineering

Jointly Organizing

One Week Faculty Development Programme
on

**"Design and Construction Practices of
Sustainable Pavements"**

14th- 19th February, 2022



Organizing Committee

CHIEF PATRONS

**Sri K. V. Vishnu Raju
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CEO - GMRVF**

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Professor & HoD, GMRIT**

**Dr. G. Sridevi
Professor & HoD, BVRIT**

CO-CONVENORS

**Mr. U. Siva Rama Krishna
Sr. Assistant Professor
GMRIT**

**Dr.T.Vijaya Gowri
Associate Professor
BVRIT**



GMRIT- an Overview

Established in 1997, GMR Institute of Technology has come a long way since its inception and has carved a niche for itself in the corporate world. It is currently placed among the top 50 colleges in the country and among the top 5 colleges in the state of Andhra Pradesh.

It offers Nine under Graduate and Six Post Graduate programs. All B.Tech programs are accredited by NBA under tier-1 complying with Washington Accord and the college is accredited as an 'A' grade institution by NAAC for the three consecutive cycles. In the ranking done by NIRF-MHRD, GMRIT was put in the rank band 201-250 at the country level for the years 2020 and 2021. Further, GMRIT was declared as the 1st best Clean & Smart campus by AICTE. The Department of Civil Engineering was established in 2002. It offers students a solid grounding in better utilization of resources and greater standardization of construction processes required by the construction industry. Students are taught how to use and deploy innovative design methods and techniques. Exposure to contemporary facets planning, construction design and project management are key aspects of the course. The Department of Civil Engineering has PG course in the area of Transportation Engineering.

BVRIT- an Overview

B.V. Raju Institute of Technology (BVRIT) was established by the eminent philanthropist (Late) Padma Bhushan Dr. B.V. Raju under the aegis of Sri Vishnu Educational Society (SVES) in the year 1997. BVRIT was granted UGC - Autonomous Status from the year 2014. The Institute is also approved by the AICTE and the Government of Telangana State and is affiliated to JNTU, Hyderabad. BVRIT is accredited by both NBA and NAAC with A Grade, New Delhi. BVRIT has been among the TOP NIRF Ranked colleges in India for the past several years.

BVRIT offers B.Tech programmes in 13 disciplines, 7 M.Tech programmes and one MBA programme. BVRIT made a quantum leap in its reputation for its best teaching learning practices, high quality intake, excellent infrastructure facilities and highest number of placements, etc. VEDIC is a campus for learning and innovation and a residential centre serving as a holistic platform for interdisciplinary and inter-institutional collaboration for research and academics. The department of Civil Engineering was established in 2012. The department has 3 special labs where the students are trained for data collection, planning, design and construction practices beyond the curriculum. Students also trained for communication, organizing, leadership and decision making skills, required for their career aspects.

Day **Session-1 (1:30PM-2:30PM)** **Session-2 (2:45PM-3:45PM)**

14th "Geosynthetics for Highway Applications"
 Dr. B. Umashankar, Professor, IIT Hyderabad



"Sustainable and Resilient Pavement Systems"
 Dr. B. Krishna Prapoorna, Associate Professor, IIT Tirupati



15th "Geosynthetic reinforced embankment "
 Dr. Ratnakar R Mahajan, Technical Manager, Maccaferri, India South East Asia



"Recycled Asphalt Pavement Material"
 Dr. G .Bharath, Scientist, CRRI, New Delhi



16th "Mechanistic Empirical Design of Flexible Pavements-IRC-37-2018"-
 Dr. Vishnu S Ravichnadrán, Assistant Professor, NITWarangal



"Design of Cement Concrete Pavements for Highways-IRC-58-2015".
 Dr. K. Sudhakar Reddy, Professor, IIT Khagarpur



17th "Impact of load generated due to Vehicle Pavement interaction on Flexible Pavement performance"
 Mr. K. Srikanth, Research Scholar, NITW, Asst. Professor, GMRIT



"Potential use of Recycled aggregate for Pavement applications"
 Dr. K. Surender Singh, Assistant Professor, IIT Madras



18th "Pavement Management Systems"
 Dr. K. Kranthi Kumar, Assistant Professor, IIT Kharagpur



"Cast in situ Short Paneled concrete Pavements for High volume roads"
 Dr. M. Amamatha Reddy, Professor, IIT Khagarpur



19th "Structural evaluation of bituminous Pavements using Falling weight Deflectometer"
 Dr Anush K Chandrappa, Assistant Professor, IIT Bhubaneswar



About the FDP Programme
 India has the second-largest road network in the world, spanning a total of 5.89 million kilometres. This road network transports 64.5% of all goods in the country and 90% of India's total passenger traffic to commute. Road transportation has gradually increased over the years with improvement in connectivity between cities, towns and villages in the country.

The concept of adopting sustainable roads have been emerged in the recent decades. The replacing of traditional construction materials using recycled material may significantly reduce the carbon footprint and make the process economical one. The main aim of this FDP titled "Design and construction practices of Sustainable Pavements " is to inculcate the knowledge of sustainable pavements including Mechanistic-Empirical Pavement Designs, Geosynthetics application in pavements, Pavement Management Systems and Sstructural evaluation of the pavement among the faculty and participants community.

Who can attend
 Faculty/ Industry persons/ Research Scholars/ PG Students

Registration
 Registration Fee: Nil
 Last Date of Registration: **08/02/2022**
 Confirmation of Participation: **10/02/2022**
 Registration: **First come on first serve basis.**
Registration link:
<https://forms.gle/5ByaKnKy8mdJWRzz5>
 This programme will be conducted using the Microsoft Teams Platform. The link will be shared after confirmation through mail.

Certificate of Participation
 The certificate will be issued for the participants who attain 80% attendance.

Faculty Cordinators

1. Dr. J. Prakash Giri, Sr. Assistant Professor, GMRIT. Mobile:9778061076
2. Mr. P. Ramu, Assistant Professor, GMRIT. Mobile:9989987226
3. Mr. B A V Ram Kumar, Assistant Professor, GMRIT. Mobile:9849556438
4. Mr. T. Vamsi, Assistant Professor, BVRIT, Mobile:7674828283
5. Mr. B. Manjunath, Assistant Professor, BVRIT Mobile:7899994994