

॥ विद्या षष्ठं देवतम् ॥

Wainganga Bahu-Uddeshiya Vikas Sanstha's



WAINGANGA COLLEGE OF ENGINEERING & MANAGEMENT

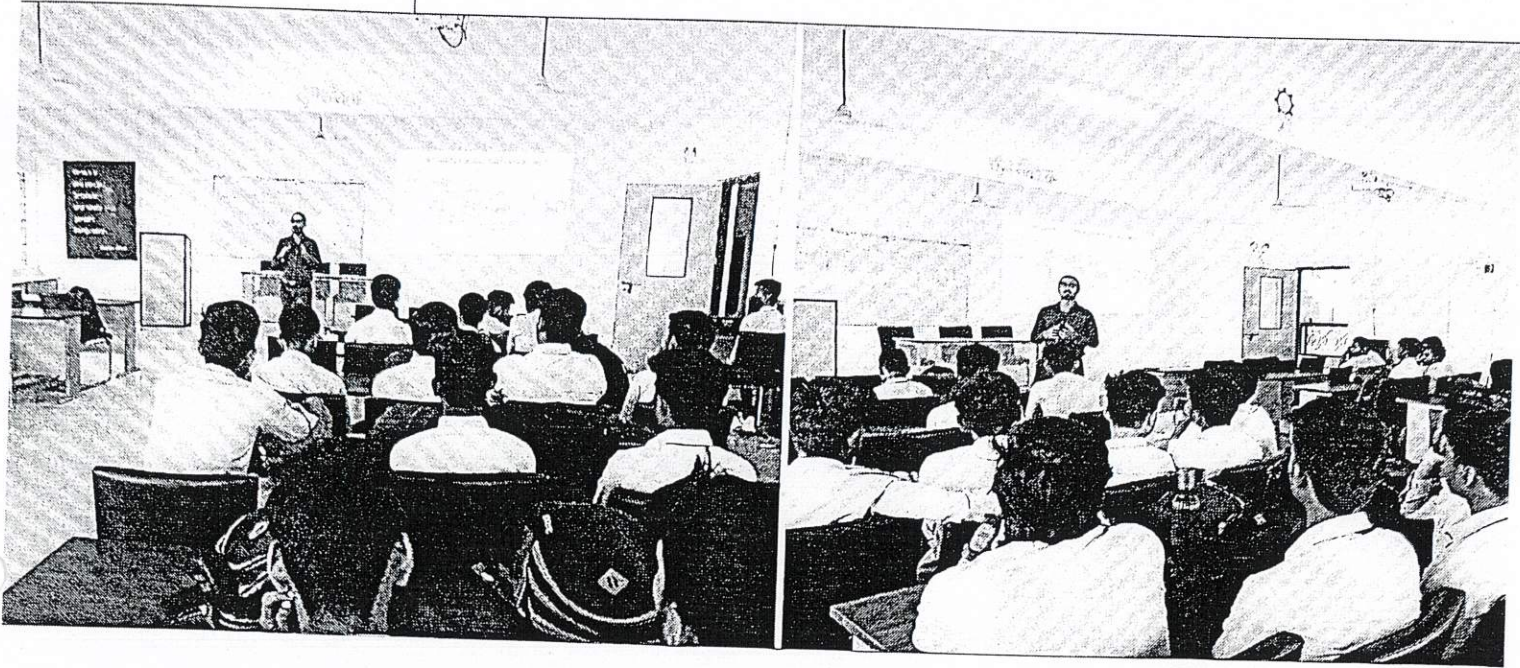
Near Gunggaon Railway Station, Dongargaon, Wardha Road, Nagpur - 441 114 (M.S.) INDIA
Tel: 07103 - 202007, 203728 Email: wcem@rediffmail.com, wcem4115@gmail.com, Website: www.wcem.in

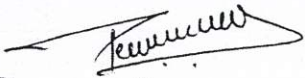
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Department of Electrical Engineering

REPORT ON

Title	Guest Lecture
Name of Activity	Guest Lecture on "Solar Power System Design"
Date	14-03-2024 (23-24)
Venue	Seminar hall
Organized by	Electrical Engineering Department, WCEM, Nagpur
Name of Expert	Mr.Nitin Navkhare
Participated by	Students & Faculty Electrical Engineering Department, WCEM, Nagpur
Activity In-charge	Prof.Priyanka Deshmukh
Overview of the Session	The resource person began the session by explaining the need for renewable energy and the rapid growth of solar power in India and worldwide. The lecture covered the working principle of photovoltaic cells, types of solar modules, the characteristics of solar radiation. A detailed explanation of system design including load calculation, module selection, inverter sizing, battery bank design, and wiring layout, was provided.
Objective	The main objectives of organizing this guest lecture were: <ul style="list-style-type: none">• To provide fundamental knowledge of solar photovoltaic (PV) system and their working principles.• To explain design considerations involved in rooftop and ground-mounted solar power systems.• To introduce students to solar components such as panels, inverters, controllers, batteries, and mounting structures.
Outcome of Activity	After attending the session, students were able to: <ul style="list-style-type: none">• Understand the basic operation and structure of solar PV systems.• Perform load calculation and energy estimation for designing a small solar power system.• Identify and select appropriate components based on design requirements.• Gain knowledge of the difference between on-grid, off-grid, and hybrid systems.





Program Coordinator

Department of Electrical Engineering
Engineering



HOD

Department of Electrical
E. E. D.
Electrical Engineering Department
VCEM, Wardha Road, Nagpur

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Date: 11-03-2024

Circular

This is for the information of all the faculty members and students that the Department of Electrical Engineering is going to conduct a guest lecture on "Solar Power System Design" on 14 March 2024. This will be good knowledge sharing platform for students. All the staff and EE students are advised to attend the programme without fail.


HOD

Department of Electrical Engineering

H. G. B.
Electrical Engineering Department
WCEM, Wardha Road, Nagpur

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Date: 08-03-2024

Department of Electrical Engineering

Invitation Letter

To,

Mr. Nitin Navkhare

CEAT Tyres, Nagpur

Subject- Invitation for Guest Lecture on “Solar Power System Design” on 14 March 2024

Respected Sir,

It is an immense pleasure that Wainganga College of Engineering & Management, Nagpur is organizing an Expert Lecture “Solar Power System Design” on 14 March 2024. As you are one of the known speakers, your deliberation will surely benefit the students.

We cordially invite you in our Expert Lecture as a speaker. We believe and hope you are comfortable with this schedule and we shall be greatly thankful. Your response will be highly appreciated in this regard.

Thanking you.


HOD

Department of Electrical Engineering

H.O.D.
Electrical Engineering Department
WCEM, Wardha Road, Nagpur



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Date: 14-03-2024

Department of Electrical Engineering

Letter of Appreciation

To,

Mr. Nitin Navkhare

CEAT Tyres, Nagpur

Respected Sir,

Thank you very much for delivering an informative and thought provoking lecture as Resource Person on on "Solar Power System Design" on 14 March 2024. It was really a splendid presentation. All students appreciated and get benefited from your knowledge on the subject.

Looking forward for your co-operation and more such expert guidance.

Thanking you.


HOD

Department of Electrical Engineering

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Electrical Engineering Department
WCEM, Wardha Road, Nagpur

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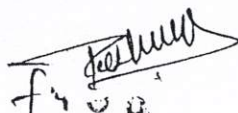
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Guest Lecture on "Solar Power System Design" on 14 March 2024

SR NO	NAME OF STUDENT	SIGNATURE
1	KOMAL DNYANESHWAR SONTAKKE	<i>Komalk</i>
2	NIKITA DWARKADAS SATHWANE	<i>Nikita Sathwane.</i>
3	PRACHI RAVI BHAISARE	<i>P. Bhaisure.</i>
4	SHIKHA RAJESH UPADHYAY	<i>Supadhyay.</i>
5	SHITAL TULSHIDAS TIWADE	<i>Shital</i>
6	SHRUTI KISANRAO LENGURE	<i>Shruti</i>
7	SHUBHANGI JAGDISH NIKHADE	<i>Shubhangi</i>
8	SHWETA MOHANRAO BELE	<i>Shweta</i>
9	SNEHAL MANOHARRAO MATALE	<i>Snehal</i>
10	SONALI MANIK JAISWAL	<i>Sonal</i>
11	VIDYA LOTESHWARRAO PACHARE	<i>V Pachare.</i>
12	JIVAN PRAKASH KASHTI	<i>Jivanti.</i>
13	KARTIK ANIL RAHANGDALE	<i>Kartik.</i>
14	KIRAN JAYKISHOR KAPGATE	<i>Kapgate.</i>
15	NEHAL NITARAM LANJEWAR	<i>N. Lanjewar.</i>

16	PRASHANT DADILAL CHAUDHARI	<u>P. Chaudhari</u>
17	ROHIT TARACHAND KUMBHARE	<u>R.T.K.</u>
18	SAMEER SHATRUGANA BOPCHE	S.S. Bopche.
19	SWAPNIL MANIK BUDDHE	<u>S. Buddhe</u>
20	VIKAS RAMRAO RATHOD	V. R. Rathod
21	YASH DHANRAJ BADWAIK	<u>Yash</u>
22	AKANSHA DEVIDAS GHAVGHAVE	<u>A. Ghavghave</u>
23	EKATA MAHADEO UIKE	<u>E. Uike</u>
24	GAYATRI PANJAB LANDGE	<u>G. Landge</u>
25	GAYATRI RAJU RAKSHAMWAR	<u>G. Rakhmwar</u>
26	KAJAL ANIKRAM LANJE	<u>K. Lanje</u>
27	NIKITA MORESHWAR THAKRE	<u>N. Thakre</u>
28	PRAGATI RAJENDRA THAKRE	<u>P. Thakre</u>
29	PRIYANKA SUDHAKAR HUKARE	<u>P. Hukare</u>
30	ROSHNI LEKHRAJ BISEN	<u>R. Bisen</u>
31	RUCHITA JAGDISH BORPE	<u>R. Borpe</u>
32	SHWETA VINOD MESHAM	<u>S. Raut</u>
33	VAISHNAVI DEOCHAND RAUT	<u>V. Raut</u>
34	VAISHNAVI LAXMANRAO VAIDHYA	<u>V. Vaidya</u>
35	ANKIT PANDURANG RAKHADE	<u>A. Rakhade</u>
36	APEKSHA MUKESH JANGALE	<u>A. Jangale</u>
37	KALLYANI JANGBAHADURSINGH CHANDEL	<u>K. Chandel</u>


 Electrical Engineering Department
 NCEM, Wardha Road, Nagpur