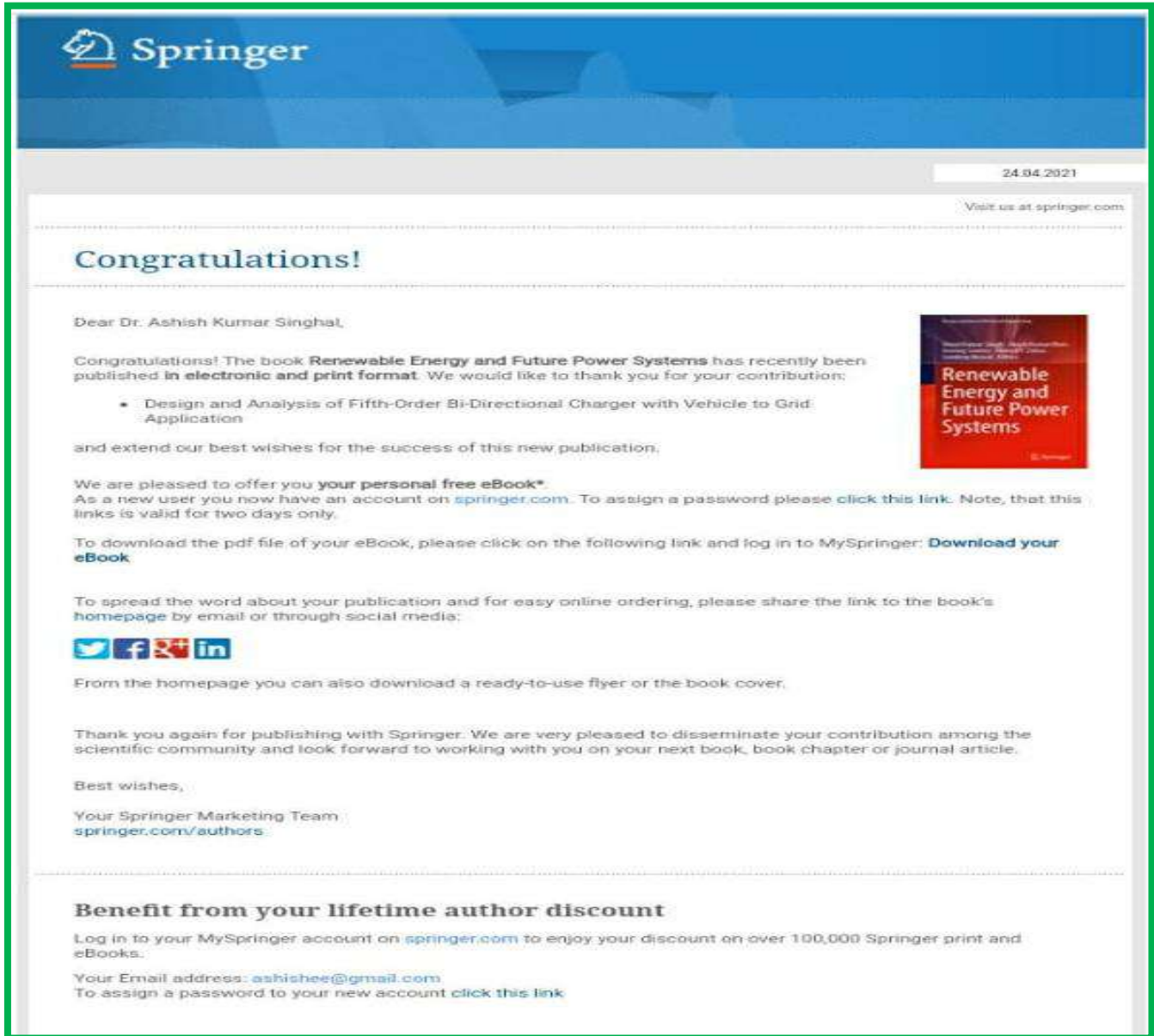




SESSION
JAN-APRIL
2021

✚ TIME FOR SISTEC RATIBAD, EE TO SHINE GLOBALLY

Heartiest congratulations to Prof. Ashish Kumar Singhal, HOD, Electrical Engineering Department, SISTec Ratibad campus for his wonderful contribution in SPRINGER BOOK published in electronic and print format- RENEWABLE ENERGY AND FUTURE POWER SYSTEMS. He has successfully authored a chapter -"Design and Analysis of 5th order Bi-directional charger with vehicle to grid Application."



The image shows a screenshot of a congratulatory email from Springer. The email is addressed to Dr. Ashish Kumar Singhal and congratulates him on the publication of his book, "Renewable Energy and Future Power Systems". The book cover is shown as a red and white image. The email provides a link to download a free eBook and a link to the book's homepage. It also includes social media icons for Twitter, Facebook, and LinkedIn. The email is signed by the Springer Marketing Team and includes a link to their website.

Springer

24.04.2021

Visit us at springer.com

Congratulations!

Dear Dr. Ashish Kumar Singhal,

Congratulations! The book **Renewable Energy and Future Power Systems** has recently been published in **electronic and print format**. We would like to thank you for your contribution:


- Design and Analysis of Fifth-Order Bi-Directional Charger with Vehicle to Grid: Application

and extend our best wishes for the success of this new publication;

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ELECTRICAL ENGINEERING

INTERNATIONAL PRESENCE OF SISTec RATIBAD

It's an immense pleasure to share the news of international presence of SISTec Ratibad through the 2nd International conference on multidisciplinary and current educational Research-2021 which is scheduled to held during 23rd & 24th January-2021 at Ayutthaya, Thailand. **Prof. Ashish Singhal sir, HOD (EE)**, has got this opportunity to chair the session in which nearly 240 SCOPUS INDEX technical papers are to be presented. The Department of Electrical Engineering wishes him good luck and lauding the efforts with many congratulations.

**2nd International Conference on
Multidisciplinary and Current Educational Research - 2021**

23rd - 24th January 2021 | MCU - Ayutthaya, Thailand

IFERP
connecting engineers... developing research

ICMCER - 2021

Date: 18th January 2021

**Ashish K. Singhal,
SISTEC-E, BHOPAL
MADHYA PRADESH (INDIA)**

Greetings from ICMCER!!!!

We glad with your association and in response for the conference and we would like to have you as one of our **SESSION CHAIRS** for the 2nd International Conference on Multidisciplinary and Current Educational Research (ICMCER – 2021) 23rd -24th January, 2021 as a virtual conference.

On behalf of IFERP, we invite you to be the **SESSION CHAIR** for 2nd International Conference on Multidisciplinary and Current Educational Research (ICMCER – 2021) .

ICMCER – 2021 would be the gathering of Eminent contributed much to the development of scientific community guiding the blooming researchers who are participation and presenting their research works. In addition to that, they will deliver motivational speech to the rising minds in the gatherings.

Therefore, we assure that your presence as the session chair will be right platform to share your knowledge and experience to the students, academicians, researchers as well as professionals attending the conference.

We would be pleased about your availability as our Session Chair. We look forward to your contribution to make this scientific gathering a great success.

Thank you.

For more details please visit: <https://icmcer.com/index.php>

**Thanks and regards,
Nadhini.P
Program Manager | ICMCER-2021
IFERP
Phone: +919087388723**



+91 90873 88723 (India) info@icmcer.com www.icmcer.com

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✚ EXPERT SESSION ON DRONE TECHNOLOGY

ELECTRICAL ENGINEERING DEPARTMENT successfully organised and executed a special session on "DRONE TECHNOLOGY".

A well known specialist on drone technologies Mr. YASHRAJ SUNHARE was today's expert session. HE is founder and CEO of Jarvis lab pvt ltd.The expert received warm and heartfelt welcome by the Principal of the Institute Dr. Manish Billore and the Department Head Prof. Ashish Singhal,Dr. Manish Billore , in his welcome speech emphasized the need of learning interdisciplinary technologies finding broader commercial applications and paving ways for jobs creation. HOD(EE) Prof. Ashish singhal said that drone-technology is age-old technology and it has now found more popularity.

The expert Mr.Yashraj Sunhare explained all about drone-technology , market share in present and in coming future which was a big motivation for all those who were attending. He discussed all science,technology, material requirement, design aspect and applications of drones. At the conclusion of the event he successfully demonstrated "piloting-a-drone".Nearly 120 students of EE, EC, ME and CSE attended this expert session and got benefited.



ELECTRICAL ENGINEERING

✚ Two-Day Faculty Development Programme (FDP)

SISTec Ratibad Department of Electrical Engineering will be organizing a Two-Day Faculty Development Programme titled "Arm Cortex Microcontroller For Renewable Energy Source Integration" - 18th & 19th February 2021.

This FDP is sponsored by Rajiv Gandhi Proudyogiki Vishwavidyalaya (RGPV) under the Third Phase of Technical Education Quality Improvement Programme commonly referred to as TEQIP-III or TEQIP-3.

Guest Speaker for this FDP will be:

- 1.) Dr. Mahmadasraf A. Mulla — Associate Professor – SVNIT Surat, Gujrat
- 2.) Mr. Saiyad Mohammad Juned S. — Training Head – National Interact

On behalf of Sagar Institute of Science Technology & Engineering (SISTec-E), this FDP will be coordinated by Prof. Ashish Singhal (Head of Department) and co-coordinated by Prof. Subinoy Roy.

The program is specially designed for the faculties and the course will cover the following major topics:

- 1.) Renewable Source Integration using ARM Cortex-M4 Microcontroller
- 2.) Blocksets for Programming GPIO, LCD, and Keyboard
- 3.) Blocksets for Programming TIMERS, ADC, and DAC
- 4.) Development of PLL and MPPT using ARM Cortex-M4 Microcontroller
- 5.) Demonstration of P & O MPPT using ARM Cortex-M4 Controller



FACULTY DEVELOPMENT PROGRAMME ON
ARM CORTEX MICROCONTROLLER FOR RENEWABLE ENERGY SOURCE INTEGRATION

SPONSORED BY RGPV UNDER TEQIP-III 18TH - 19TH FEB 2021

TEQIP-3
Technical Education Quality Improvement Programme

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Expert:
Dr. Mahmadasraf A. Mulla
Associate Professor, SVNIT, Surat, Gujarat

Expert:
Mr. Saiyad Mohammad Juned S.
Training Head, National Infotech

Coordinator:
Prof. Ashish Singhal (HoD-EE), SISTec-E | +91 9630189739

Co-coordinator:
Prof. Subinoy Roy | +91 8918056187

Department of Electrical Engineering
Sagar Institute of Science, Technology & Engineering,
Sikandarabad, Near Ratibad, Bhopal

ELECTRICAL ENGINEERING



ELECTRICAL ENGINEERING

HEARTIEST CONGRATULATIONS FOR NPTEL CERTIFICATION:-

National Programme on Technology Enhanced Learning, NPTEL is a project of MHRD initiated by 7 IITs along with IISC which is a curriculum shaping exercise that is aimed to provide learning materials in science and Technology/Engineering by abiding to the core syllabus of All India Council for Technical Education and the slightly innovated curricula of major universities affiliated.

The certification adds outstanding "extra" to whatever "ordinary" there and results in "extraordinary". Electrical Engineering Department, RATIBAD has successfully completed NPTEL CERTIFICATION for higher semester students in Introduction to Smart Grid under the guidance of Prof. Prasant Kumar. Students were guided to go through the 8 weeks course of video lectures, assignment based on video lectures and finally a written examination to consolidate certification.

As per the AICTE Gazette of Credit Framework, their credits will be transferred on to the Academic record.

**NPTEL****भारतीय प्रौद्योगिकी संस्थान रुड़की**
Indian Institute of Technology Roorkee

Congratulations

for successfully completing the NPTEL course on
INTRODUCTION TO SMART GRID

Learners Enrolled:
5274

Total Certified:
366

 Aditya Dubey VII Sem - EE	 Akash Bhalavi VII Sem - EE	 Anju Sen VII Sem - EE	 Mayur Bhoi VII Sem - EE
 Nityanand Patel VII Sem - EE	 Ravindra Kumar VII Sem - EE	 Sonu Lodhi VII Sem - EE	 Nihal Aswara VII Sem - EE

Mentors :
Prof. N. P. Padhy
IIT - Roorkee
Prof. Premalata Jena
IIT - Roorkee

DEPARTMENT OF ELECTRICAL ENGINEERING

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✚ **HARD WORK IS THE KEY OF SUCCESS !!**

Heartiest congratulations Mr. Ravindra Kumar on qualifying gate-2021!



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Congratulations

RAVINDRA KUMAR

on qualifying GATE 2021

GATE 2021 Result [E.E.]

Name:	<input type="text" value="RAVINDRA KUMAR"/>	
Registration Number:	<input type="text" value="EE21526014033"/>	
Gender:	<input type="text" value="Male"/>	
Parent's/Guardian's name:	<input type="text" value="LAXMI KANT SHARMA"/>	
Date of birth:	<input type="text" value="30-February-1998"/>	
Examination Paper:	<input type="text" value="Electrical Engineering (EE)"/>	

Marks out of 100* All India Rank in this paper:

Qualifying Marks** GATE Score:

* Normalized marks for Multiselector papers (CE, EE and ME)
** A candidate is considered qualified if the marks secured are greater than or equal to the qualifying marks mentioned for the category for which a valid Category Certificate, if applicable, is presented in connection with the application.

Note:
• The marks and score provided here are for information only.

ALL INDIA RANK 8934

Department of Electrical Engineering

SAGAR INSTITUTE OF SCIENCE, TECHNOLOGY & ENGG.

FACULTIES INTERNATIONAL CERTIFICATION

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Ratibad Campus, Bhopal



Congratulations

Prof. Ashish Singhal
HOD, Dept. of Electrical Engineering



has certified in

	Introduction to artificial intelligence from IBM offered through Coursera	88.2 %
	Introduction to programming with MATLAB from Vanderbilt University offered through Coursera	99.4 %
	Machine learning with python from IBM offered through Coursera	93.2 %
	What is data science? from IBM offered through Coursera	94.3 %
 DTU Technical University of Denmark	Introduction to solar cells from Technical University of Denmark offered through Coursera	99.5 %

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Ratibad Campus, Bhopal



Congratulations



Prof. Prasant Kumar
Department of Electrical Engineering



has certified in



**Electric power systems from
State University of New York**



**Introduction to power electronics
from University of Colorado**



**Introduction to solar cells from
Technical University of Denmark**



**Linear circuit-1: DC analysis
from Georgia Institute of Technology**



**Introduction to
smart grid from NPTEL**

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Prof. Priyanka Rajawat
Dept. of Electrical Engineering



has certified in



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from NPTEL**

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Prof. Subinoy Roy
Dept. of Electrical Engineering



has certified in



**Power System Engineering
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**The Importance of Reducing
Dust Accumulation in Electronics
Systems from IEEE**



**Design of Photo Voltaic
System from NPTEL**

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Congratulations



Prof. Kavita Kushwah
Dept. of Electrical Engineering



has certified in



**Control Engineering
from NPTEL**

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Congratulations



Prof. Aayush Shrivastava
Department of Electrical Engineering



has certified in



**Data Science in
Real Life from IBM**



**Introduction to Artificial
Intelligence from Simplilearn**



**Python for Data
Science Simplilearn**



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Ratibad Campus, Bhopal



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Prof. Pankaj Sharma
Dept. of Electrical Engineering



has certified in



**Efficient Control of AC Machines
Using Model-Based Development
from IEEE**

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✚ OUT STANDING ACHIEVEMENTS IN NATIONAL LEVEL PROJECT

Electrical Department @ SISTec-E Ratibad, Four project has been selected for AICTE “CHHATRA VISHWAKARMA AWARD”.

Team Name: “DRONA THE CARRIER”

Team Members: Mentor: Subinoy Roy (Assistant Professor, EE, SISTec-E) 1. Nityanand Patel (Team Lead, 4th Year) 2. Md. Ahsan (4th Year) 3. Rahul Somkuwar (3rd Year) 4. Raman Baghel (3rd Year)

PURPOSE: India is badly affected by COVID-19 and we have lost many lives due to this pandemic. As we know that one can get the infection by being in close contact with COVID-19 patients. So, the issue is to collect COVID-19 samples and deliver the same for laboratory diagnostics propose in very less time and also avoid the virus spreading. This concept will be helpful in an untouched rural area where there is a lack of connectivity as well as in an urban area where traffic is the main problem for a delay during a medical emergency.



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PROJECT NAME: SMART WOMEN SAFETY TORCH

Team Name: “**Rashak**” Team Member: 1. Miss. Akansha Patel 2. Mr. Akash Bhalavi 3. Miss. Menu Kumari 4. Mr. Vijay Prajapati Mentor Name: Miss. Kavita Kushwah

Purpose: India which considers itself to be a promising super force and a financial center point, is as yet caught in the grip of different male-centric shades of malice like Acid Attacks, Sexual Harassment, Domestic Violence, Cruelty/Dowry demand, Kidnapping, most exceedingly terrible among everything is rape. According to the report of NCRB (National Crime Record Bureau) around 7.3% of crimes against women have increased in 2019 as compared to 2018. There are many apps, safety devices, and helplines for women's safety but there is no one device solution so a multi-function system is developed which is the integration of multiple security functions.



AUTOMATIC HAND AND SHOES SANITIZER MACHINE” Team Name: “Solemate”

Team mentor: - Prof. Pankaj sharma Team members:- • Aman Pandre • Mayur Bhoi • Danish Raen • Haseeb Uddin

PURPOSE: - Corona Virus (COVID-19) is wreaking havoc in the world. Almost every country is suffering from the Corona Virus. WHO has already announced it a Pandemic disease and many cities are under lockdown situations and changed our lifestyle. An automatic hand and shoe sanitizer dispensing machine is an automated, non-contact, alcohol-based hand and shoe sanitizer dispenser, which finds its use in hospitals, workplaces, offices, schools, and much more. Repeatedly touching the hand and shoe sanitizer containers to get a drop of sanitizer again initiates contact with persons, which may be risky.

ELECTRICAL ENGINEERING



TEAM NAME: “SUCCOUR” Team Mentor:- Prof. Priyanka Rajawat Team Members: – 1. Ramkumar Sahu (Team Head) 2. Prerna Shakya 3. Sonu Lodhi 4. Gajraj Ahirwar

Purpose:- In India, we import many fruits, vegetables & flowers from other countries & pay a very good amount. If we grow such vegetables & fruits in our country using modern techniques like Solar technology, we can earn more & also increase the size of the market. For this, Modern Greenhouse farming is a new idea of giving favorable environmental conditions to grow crops & also use to create a protected & controlled environment to grow crops by growing them under a structure covered with a transparent material. It is the need to make agriculture occupation remunerative to sustain the interest of rural youth towards agriculture.



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PROJECT NAME: DIGITAL ATTENDANCE REGISTERING DEVICE, Team Name: Smart Innovator's ,Mentor Name: Mr. Prasant Kumar, Team Leader: Mr. Nihal Asawara Team Member: Mr. Aditya Dubey ,Miss Anju Sen ,Mr.Arpit Vishwakarma Theme: India's Economic Recovery Post COVID-19.

Purpose- As we all know about the current covid-19 situations and its result on school and colleges. They are locked from last one year. Now the main problems will arise when the schools and colleges will start again. You all must read the Central Govt. order as it suspended the use of touch-based biometric systems in all the government offices across the country for safety of students. According to the government demand & student safety our team is introduced for 'Touchless' attendance systems named as Digital Attendance Registering Device (DARD).



INDUSTRIAL VISIT @ AARTECH SOLONICS IN FEB, 2021



ELECTRICAL ENGINEERING



100 % PLACEMENT IN ELECTRICAL ENGINEERING DEPARTMENT



100% PLACEMENT 2021 DEPARTMENT OF ELECTRICAL ENGINEERING

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<p>MAYUR BHOI PROFILE : TRAINEE ENGINEER COMPANY : </p>	<p>NIHAAL ASAWARA PROFILE : TRAINEE ENGINEER COMPANY : </p>	<p>SONUJ LODHI PROFILE : TRAINEE ENGINEER COMPANY : </p>	<p>NITYANAND PATEL PROFILE : TRAINEE ENGINEER/ TRAINEE RECRUITER COMPANY : </p>
<p>AKASH BHALAVI PROFILE : TRAINEE ENGINEER COMPANY : </p>	<p>AMAN PANDRE PROFILE : GRADUATE ENGINEER TRAINEE COMPANY : </p>	<p>MAYANK KUMAR PROFILE : GRADUATE ENGINEER TRAINEE COMPANY : </p>	<p>SANTOSH KUMAR SAKET PROFILE : GRADUATE ENGINEER TRAINEE ENGINEER TRAINEE COMPANY : </p>
<p>MAHESH RAMBHAJ GARUD PROFILE : CNC SURFACE COMPANY : </p>	<p>RASHMI AHIRWAR PROFILE : TRAINING COMPANY : </p>	<p>MD. AHSAN PROFILE : ENGINEER TRAINEE COMPANY : </p>	<p>TARUN AHIRWAR PROFILE : ENGINEER TRAINEE COMPANY : </p>
<p>RAVINDRA KUMAR PROFILE : ENGINEER TRAINEE/ GRADUATE ENGINEER TRAINEE COMPANY : </p>	<p>PREBANA SHAKYA PROFILE : ENGINEER TRAINEE COMPANY : </p>		

Best wishes for your future endeavours