# अंतरिक्ष विभाग (DEPARTMENT OF SPACE) भारत सरकार GOVERNMENT OF INDIA भारतीय अंतरिक्ष अनुसंधान संगठन INDIAN SPACE RESEARCH ORGANISATION भारतीय सदुर संवेदन गरुधान, देहरादून JENDIAN SPACE RESEARCH ORGANISATION



नामांकन सं. / Enrolment No.: 20221061643739



# CERTIFICATE OF PARTICIPATION IN

· ONLINE COURSE

यह प्रमाणपत्र

Mr. Akash Patley

को "सुदूर संवेदन एवं जीआईएस प्रौद्योगिकी के अनुप्रयोग " मे ऑनलाईन पाठचक्रम में भाग लेने पर प्रदान किया जाता है।

इस ऑनलाइन पाठचक्रम का आयोजन 14 सितंबर, 2022 से 28 सितंबर, 2022 ( कुल पाठचक्रम की अविध = 24

घंटे ) के दौरान किया गया।

(संबन्धित आई.आई.आर.एस नोडल केंद्र- सी. एम. डी. पी.जी कालेजबिलासपुर (छ.ग.)/अटल विहारी वाजपेयी विश्वविद्यालय बिलासपुर (छ.ग.))

Date: 13-10-2022

Place: Dehradun

समन्बयक, विश्वविद्यालय/संस्थान Coordinator, University/ Institution

UID 34757c4e6e0152043212444dc4ce5045. This Certificate can be validated using URL: https://certificate.iirs.gov.in

निदेशक/ Director

आई.आई.आर.एस, देहरादुन/ IIRS, Dehradun

The **Department of Physics** in collaboration with **IMPULSE TECHNOLOGY** conducted hands on training for Post Graduate students on Nanomaterial And Nanodevice Using Nanodeal And Rescu S/W. The software tools **NanoDCAL And RESCU**:- ab inito first principles DFT with NEGF large scale DFPT solver package predicts nonequilibrium quantum transport properties for simulation of Nanoelectronics, Semiconductor device, electrical and electronic properties of advanced materials, calculate electronic structure, Phonon properties, RAMAN properties and Optical Properties.

Some of the students have completed their M.Sc Sem-IV projects on device simulation and characterization using the above mentioned software.





## CERTIFICATE

#### Of PARTICIPATION

THIS CERTIFICATE IS PRESENTED TO

Khemprabha

C.M.D. Post Graduate College, Bilaspur, Chhattisgarh

HAS ATTENDED TWO DAYS HANDS ON ONLINE TRAINING WORKSHOP ON (4th-5th May-2023) ON NANOMATERIAL & NANODEVICE MODELING SIMULATION USING RESCU & NANODCAL SOFTWARE FROM NANOACADEMIC TECHNOLOGIES.









## **CERTIFICATE**

Of PARTICIPATION

THIS CERTIFICATE IS PRESENTED TO

Sadanani Gupta

C.M.DUBEY POST GRADUATE COLLEGE, BILASPUR (C.G.)

HAS ATTENDED TWO DAYS HANDS ON ONLINE TRAINING WORKSHOP ON (4th-5th May-2023) ON NANOMATERIAL & NANODEVICE MODELING SIMULATION USING RESCU & NANODCAL SOFTWARE FROM NANOACADEMIC TECHNOLOGIES.

ANIL KUMAR SHARMA



RAVIKANT SHARMA



# CERTIFICATE

#### Of PARTICIPATION

THIS CERTIFICATE IS PRESENTED TO

Yamini Kashyap

CMD college, Bilaspur(C.G.)

HAS ATTENDED TWO DAYS HANDS ON ONLINE TRAINING WORKSHOP ON (4th-5th May-2023) ON NANOMATERIAL & NANODEVICE MODELING SIMULATION USING RESCU & NANODCAL SOFTWARE FROM NANOACADEMIC TECHNOLOGIES.

ANIL KUMAR SHARMA



RAVIKANT SHARMA



## CERTIFICATE

Of PARTICIPATION

THIS CERTIFICATE IS PRESENTED TO

vikas gavel

cmd pg college bilaspur (c.g.)

HAS ATTENDED TWO DAYS HANDS ON ONLINE TRAINING WORKSHOP ON (4th-5th May-2023) ON NANOMATERIAL & NANODEVICE MODELING SIMULATION USING RESCU & NANODCAL SOFTWARE FROM NANOACADEMIC TECHNOLOGIES.

ANIL KUMAR SHARMA



RAVIKANT SHARMA



Moodle cloud based LMS was used for teaching students of M.Sc. Physics –II & IV Semester. Students were made familiar on how to manage an online course through Moodle Cloud LMS. Familiarization included:

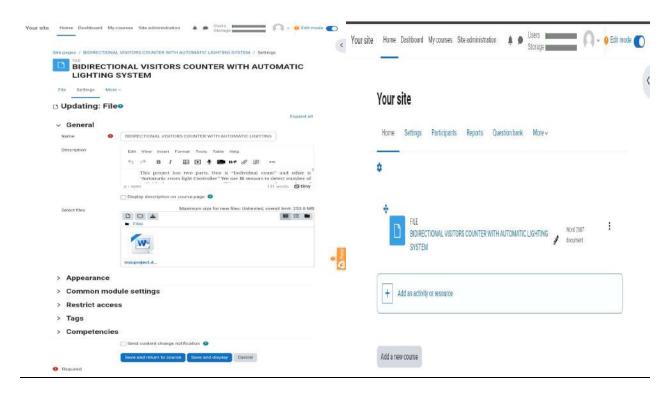
- ☐ To create online courses on the online Moodle platform.
- ☐ Add assignments and keep an eye on participant's progress.
- ☐ To communicate with the participants and encourage communication between them in forums and discussions.
- ☐ To create and administer their courses and lessons.
- ☐ To manage the roster of students enrolled in a course, and how to create modules and different kinds of activities.



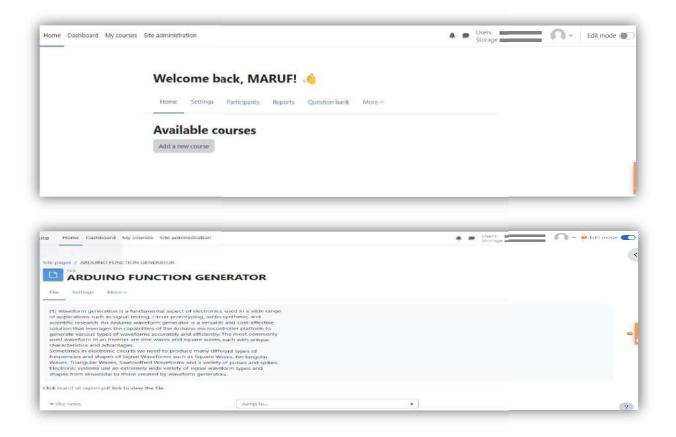


#### ENGAGE OF STUDENT IN MOODLE

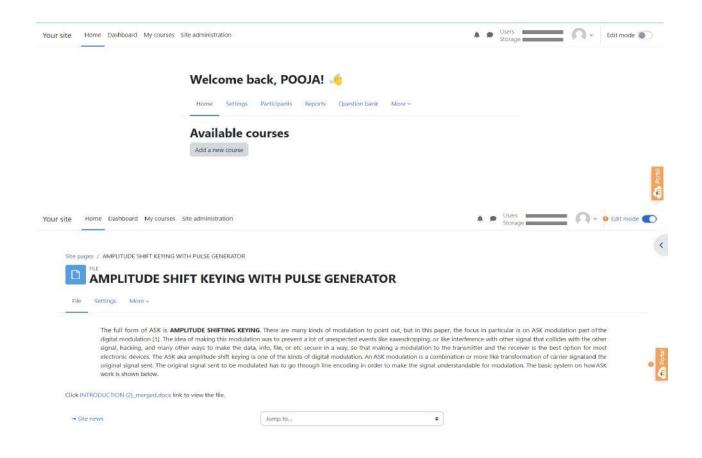
\* Moodle account of Devashish Patel



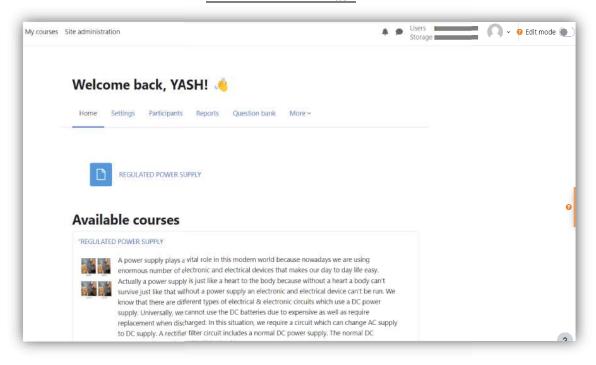
#### ❖ Moodle account of Maruf Ali



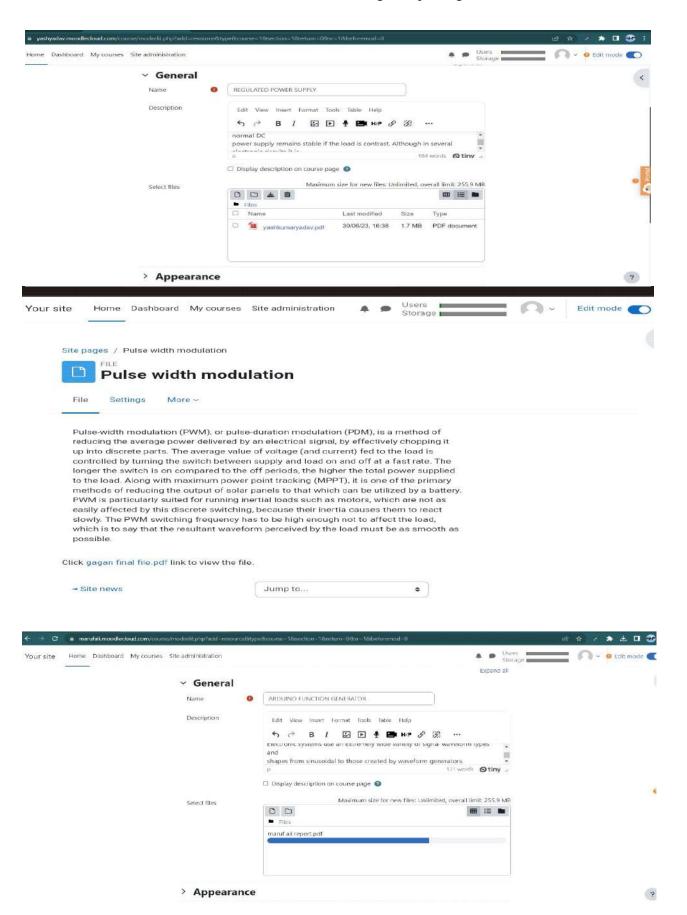
#### \* Moodle account of Pooja Patel



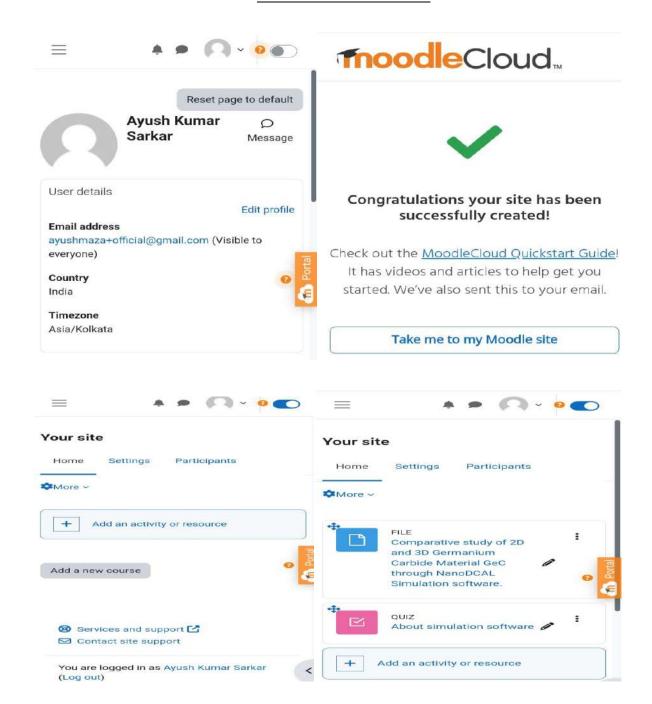
#### ❖ Moodle account of Yash



#### Moodle account of Gagandeep Shing Arora



#### Moodle account of Maruf Ali



### YOUTUBE LINKS:

**➢** Dirac Delta Function

https://youtube.com/playlist?list=PLKL4YgbBUss7XDo5M5yErReYWEf DzDyU

- ➤ Beta and Gamma Function

  <a href="https://youtube.com/playlist?list=PLKL4YgbBU">https://youtube.com/playlist?list=PLKL4YgbBU</a>
  <a href="mailto:ss5Tuabu5oQb7C8q2hY4fJ-D">ss5Tuabu5oQb7C8q2hY4fJ-D</a>
- ➤ Statistical Mechanics
  <a href="https://youtube.com/playlist?list=PLKL4YgbBUss">https://youtube.com/playlist?list=PLKL4YgbBUss</a>
  6twNRdRgz41wC4Cl4S 43K
- ➤ Electrodynamics

  https://youtube.com/playlist?list=PLKL4YgbBUss

  5Pe1udud2k-liL3H2E3eQm

  https://youtube.com/playlist?list=PLKL4YgbBUss5T

  RE DlnDz1Dp0DTEz6HYq
- ➤ Numerical Methods
  <a href="https://youtube.com/playlist?list=PLKL4YgbBUss">https://youtube.com/playlist?list=PLKL4YgbBUss</a>
  6qO9AxTpBs tMFcXR2hkhI
- ➤ Quantum Mechanics
  <a href="https://youtube.com/playlist?list=PLKL4YgbBUss">https://youtube.com/playlist?list=PLKL4YgbBUss</a>
  <a href="https://youtube.com/playlist?list=PLKL4YgbBUss">7FLYDlszJGKezLSNCXVQzJ</a>



### Information and Library Network Centre

(An Autonomous Inter-University Centre of UGC)

## सूचना एवं पुस्तकालय नेटवर्क केन्द्र

(विश्वविद्यालय अनुदान आयोग का स्वायत्त अंतर विश्वविद्यालय केन्द्र)

National Library and Information Services Infrastructure of Scholarly Content (N-LIST)

Invoice

Ref No.: INF/N-LIST/2023/1479

Date: 2023-04-05 Invoice No.: NLIST/23-24/105 College GST No.: Not Available College GST State Code: CT [22]

#### Name and Address of Subscriber

To
The Principal
C.M.D.POST GRADUATE COLLEGE
C.M.D.POST GRADUATE COLLEGE LINK ROAD
BILASPUR
Chhattisgarh - 495001

Amount In Rs	Period of Membership	Membership Fee
5,000.00	April 2023 to March 2024	N-LIST Annual Membership Fee
. 0.00	CGST@0.00%	le le
0.00	SGST@0.00%	
900.00	IGST@18.00%	
5,900.00	Total	

Rupees Five Thousand Nine Hundred Only

GSTIN: 24AAATI1480J1ZS

Servicing Accounting Code: 998431

Sincerely Yours

Ashok Kumar Rai Scientist-E(CS)

--- Cut Here

#### N-LIST MEMBERSHIP FEE RECEIPT

Receipt Date: 2023-04-05

Receipt No: 5517

Received with thanks from C.M.D.POST GRADUATE COLLEGE, BILASPUR, Chhattisgarh

A sum of Rupees Five Thousand Nine Hundred Only by Cheque No/DD No/RTGS No. IDIBH23095423544 Dated 2023-04-05 drawn on VAN Transaction Payable at Gandhinagar Gujarat towards N-LIST Annual Membership Fee in the financial year 2023-24.

Rs. 5900

Sincerely Yours

For Administrative Officer(Finance)

This receipt is valid on realization of Cheque and DD. Subject to Gandhinagar(Gujarat) jurisdiction only Online Printed Date: 2023-07-07 05:37:07 INFLIBNET Ref No: INF/N-LIST/2023/1479 GSTIN. 24AAATI1480JIZS

Servicing Accounting Code: 998431

Infocity, P.B. No. 4, Gandhinagar - 382007, Gujarat, INDIA इन्फोसीटी, पो.बो. नं. ४, गांधीनगर - ३८२००७, गुजरात (भारत) Ph.: +91-79-23268000, Fax : +91-79-23268222, http://www.inflibnet.ac.in