

RAIPUR INSTITUTE OF TECHNOLOGY

(Under the aegis of Mahanadi Education Society)

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6.5.2: The institution reviews its teaching learning process, structures & methodologies of operations and learning outcomes at periodic intervals through IQAC set up as per norms and recorded the incremental improvement in various activities

S. No.	Decision	Action Taken
1.	Accreditation Status	“A+” 3.33 Granted by NAAC (Annexure-1)
2.	Add On Courses Initiated	All 10 Department initiated Add On Courses, student took benefit of this. Link: https://ritengineering.education/pdf/C1/1.2.2%20-%20Number%20of%20Add%20on%20Certificate%20programs%20offered%20during%20the%20year.pdf
3.	Workshops/Seminars/Conferences Conducted	Workshop :08 Seminar:04 Guest Lecture:02 Link: https://ritengineering.education/pdf/C3/3.2.2%20-%20Number%20of%20workshopsseminars%20conducted%20on%20Research%20Methodology,%20Intellectual%20Property%20Rights%20(IPR)%20and%20entrepreneurship.pdf
4.	Research / Patent/Publication	Paper Published:26 Book Published:07 Link: https://ritengineering.education/pdf/C3/3.3.2%20-%20Number%20of%20research%20papers%20per%20teachers%20in%20the%20Journals%20notified%20on%20UGC%20website.pdf Patent:02 (Annexure-1)

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5.	Awareness/Extension Activity	Activity: 12 Link: https://ritengineering.education/pdf/C3/3.4.3%20-%20Number%20of%20extension%20and%20outreach%20programs%20conducted%20by%20the%20institution%20through%20NSS-NCC-Red%20cross-YRC%20etc.pdf
6	IQAC Activities	https://ritengineering.education/pdf/iqac%20report%20summary%202022-23.pdf

IQAC Coordinator



PRINCIPAL

RAIPUR INSTITUTE OF TECHNOLOGY
CHHATAUNA, MANDIRHASAUD, RAIPUR (C.G.)

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(Annexure-1)



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(Annexure-2)

 Office of the Controller General of Patents, Designs & Trade Marks Department of Industrial Policy & Promotion, Ministry of Commerce & Industry, Government of India	 INTELLECTUAL PROPERTY INDIA PATENTS, TRADE MARKS, DESIGNS, COPYRIGHTS
Application Details	
APPLICATION NUMBER	202211049067
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	28/08/2022
APPLICANT NAME	1. RATAN RAJAN SRIVASTAVA 2. M SNEHA 3. DIPANKAR MISRA 4. MAYANK MITTAL 5. Dr. SAURABH PAL 6. ABDUL SAMAD C 7. Dr. ASHISH AVASTHI 8. Dr. N. RAJKUMAR 9. Dr. SANKAR K 10. MRS.S.RAMYA 11. Dr. ANIMESH KUMAR SHARMA 12. Dr. K.K.PATHAK
TITLE OF INVENTION	SYSTEMATIC APPROACH TO MANAGE PROCESSING OF INTERNET OF THINGS (IOT) DATA INTEGRATING THE TECHNIQUES OF BIG DATA ANALYTICS AND MACHINE LEARNING FOR CLASSICAL DATA PROCESSING PRACTICE
FIELD OF INVENTION	COMMUNICATION
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E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	--
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(54) Title of the invention : STRUCTURAL AND OPTICAL PROPERTIES OF PR DOPED CUIN₂ THIN FILMS SYNTHESIZED BY CHEMICAL BATH DEPOSITION

(51) International classification :H01L0031032000, H01L0021660000, C01G0015000000, C09K0011620000, H01L0021020000
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Filing Date :NA
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Filing Date :NA

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(57) Abstract :
The present invention relates to the preparation of Praseodymium doped CuInS₂ thin films by chemical deposition technique. Semiconducting films are grown in bath containing aqueous solution of copper (II) chloride dihydrate, Indium (III) chloride, thiourea, TEA, ammonia (25%). The SEM Studies of Pr doped CuInS₂ films show that at lower volume polyhedral shaped particle appears on the surface. Particle looks like accumulated woolen balls or cubic like grains in the XRD of prepared sample characteristic peaks of chalcopyrite phase appears between (240- 800) in all the films. Hall measurement shows that resistivity of Pr (6m) doped film is very high. The conductivity of all doped films is higher than undoped film. The Photoluminescence study the emission peak appears at wavelength 575nm, 550nm and 525nm wavelength. The absorption peaks fall in the visible region. Results showed Quite good photosensitivity is observed in Pr doped CuInS₂ films

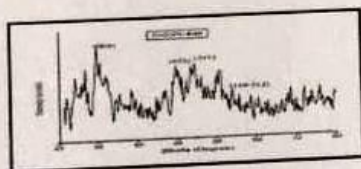


Figure 1

No. of Pages : 20 No. of Claims : 5

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INDIAN PATENT APPLICATION PUBLICATION

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(54) Title of the invention : A METHOD FOR INTEGRATED WIND POWER WITH HYDRO-THERMAL UNITS TO SOLVE ECONOMIC EMISSION DISPATCH PROBLEM

(21) Application No. 202221032173 A

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(57) Abstract :

The present invention relates to a method for integrated wind power with hydro-thermal units to solve the economic emission dispatch problems. The method comprises a processing unit. The processing unit is configured to read machine language stored in the memory unit. The processing unit is configured to combine the modified salp swarm optimization algorithm (MSSA) and artificial intelligence (AI) technique aided with particle swarm optimization (PSO). The MSSA is configured to be utilized to optimize the combination of the thermal generators based on the wind power uncertainty and pumped storage units. The PSO-ANN is configured to be utilized to capture the uncertain events of wind power so the system is ensured the high utilization of wind power. The method determines complicated problems and appears to be a robust and efficient method for handling multi-objective optimization problems in power system. [Figure 1]

Figure 1