



National Conference
**ROLE OF OPTICS AND PHILOSOPHY
 IN
 ENVIRONMENT PROTECTION
 (ROPEP-2015)**



Conference Programme details.

TUESDAY, MARCH 10		Venue: COLLEGE AUDITORIUM
12:00 PM – 2:00 PM	TECHNICAL SESSION – I	CHAIR: Prof. R.S. Sirohi INVITED TALK: 1. Prof. G.D. Baruah – “Quantum Physics and Philosophical Trends” 2. Prof. R. N. Ghosh – “Environmental Protection and Positive Role of Optics” 3. Mr. Shirish Garud – “Renewable Energy Based Village Electrification – A case study”
2:00 PM	LUNCH BREAK	
2:45 PM – 4:15 PM	PARALLEL SESSION	TECHNICAL SESSION – II (Quantum Universe & Light, Matter Radiation Interaction..) CHAIR: Prof. G.D. Baruah INVITED TALK : Prof. S. Mandal – “Coupled quantum harmonic oscillators “ ORAL PRESENTATIONS: 1. Md. N. Alam – “Phase fluctuations of coherent..... two anharmonic oscillator” 2. Md. M. Alam – “Phase fluctuations of coherent degenerate parametric amplifier” 3. Ms. Dimpi Paul – “Size determination of noble metal..... all fiber U-bent sensors” 4. Mr. Jayanta M. Borgohain – “Liquid level sensing..... effect of light rays” 5. Ms. Ranjana B. Bordoloi – “Atom-field interaction,.....and Nature of Detuning”

2:45 PM – 4:15 PM	PARALLEL SESSION	TECHNICAL SESSION – II (Environment and Society) CHAIR: Prof. Raghunath Ghosh INVITED TALK: Prof. Girish Baruah – “Role of religion in environment protection” ORAL PRESENTATIONS: 1. Dr. Chandana Goswami – “Environment and Society” 2. Indira Baruah – “Environmental Degradation in North East India: human Society” 3. Anwesha Borthakur – “Grassroots conservations.....applied environmental protection” 4. Dr. Tanusree Sarker – “Cow dung and Environmental Protection” 5. Binita Dowarah – “Ecotourism aiding economic Growth.....National Park”
4:15 PM	TEA BREAK	
4:30 PM – 5:30 PM	POSTER SESSION – I PHYSICS P.1: Daisy Bhat P.2: Anupma P.3: S. Acharjee P.4:Utpala Baruah P.5: Mouchumi Konwar P.6: Dhruvajyoti Saikia P.7: Dimpi Paul P.8: Dr.Mitali Konwar P.9: Dr. Tulika Tamuli p.10: Himanta Konwar PHILOSOPHY Ph.1: Rimzim Chiring Ph.2: Dr. Saswati Phukan Ph.3: Trishnakshi Bujarbaruah Ph. 4: Gagan Talukdar Ph.5: Anjali Kumari Ph.6: Mousumi Gogoi Ph.7: Panna P Borah Ph.8: Mamu Bhagawati Ph.9: Dr. Suprity B Bhuyan	
5:30 PM – 6:30 PM	CULTURAL PROGRAMME	
6:45 PM	DINNER	

WEDNESDAY MARCH 11		Venue: COLLEGE AUDITORIUM
8.30 – 9.30 AM	BREAKFAST	
9:30 AM – 11:30 AM	PARALLEL SESSION	TECHNICAL SESSION – III (Nonlinear Dynamics, Spectroscopy and its Applications) CHAIR: Prof. G.D. Baruah INVITED TALK : Prof. A.K. Rai – “Selection of suitable spectral lines for quantitative analysis of the materials using Laser Induced Breakdown Spectroscopy “ INVITED TALK: Prof. K.K. Mahato – ORAL PRESENTATIONS: 1. Dr. Rajib Mahanta – “A comparative study on Christeinsen effect and EIT” 2. A. Dahal – “Compound pendulum analogy in.....and Quantum Interference “
	PARALLEL SESSION	TECHNICAL SESSION – III (Philosophy Religion and Environment) CHAIR: Prof. Girish Baruah INVITED TALK: Dr. S. Purkayastha – “Environment Protection: Reflections from Ancient Indian Philosophy” ORAL PRESENTATIONS: 1. Dr. Chandan Siam – “Mind and Consciousness in view of Buddhism and Science” 2. Alakananda Baruah – “Importance of Plants in religious and Cultural Beliefs” 3. Bhaswati Kakati – “Role of Religious andof aquatic environment” 4. Nibedita Phukan – “Nature in the Ramayana.....Katha Ramayana” 5. Dr. Sangita Borah – “Treatment of nature in Kalidasa’s dramas” 6. Kaushalendra Singh – “Hindu philosophy -..... Strady in Env. Protection”
11:30 AM	TEA BREAK	

11:45 AM – 1:30 PM	PARALLEL SESSION	TECHNICAL SESSION - IV (Spectroscopy & its applications) CHAIR: Prof. A. K. Rai INVITED TALK : Prof. K. P. R. Nair – “Frontiers in Microwave Spectroscopy “ ORAL PRESENTATIONS: 1. Dr. J Saikia – “On the Nature of Squeezed Light inPhoto bacteria” 2. J P Phukan – “Analysis of UHE Cosmic Ray mass Composition” 3. Dr.R. Dubey – “Quantum Zeno effect, Matter Radiation interaction etc.” 4. S P Dolakashoria – “Self referenced fiber optics Beer Lambert principle” 5. Priyanka Das – “Size controlled synthesis nano particles for LSPR studies”. TECHNICAL SESSION - IV (Environmental Ethics) CHAIR: Dr. S. Purkayastha ORAL PRESENTATIONS: 1. Dr.Rupali Majinder – “Indian Perspective of Environmental Ethics” 2. D. Sonowal – “Discourse of Eco feminism protection of Environment” 3. Bornali Buragohain – “Evolution of environmental protection in Ancient India” 4. Surabi Dutta – “Green marketing – a step towards sustainable development” 5. Nilanjina Sharma – “Vedantic foundation for Environmental Philosophy” 6. Arpita Chakraborty – “Environmental protection with special reference to Jainism” 7. Pranjal Changkakoty – “Ecological crisis in Assam.....an Ethical Solution to it” 8. Karuna Goenka – “Green Marketing practices by banks.....SBI, Tinsukia dist.”
1:30 PM – 2:30 PM	LUNCH & VALEDICTORY	