




SKE Society's
Govindram Seksaria Science College, Belagavi

Department of Physics




Template for Reporting of Seminar/Workshop
(Single page report in .doc format to be sent to IQAC)

Details of the Programme		
Title: Two days National Conference on Nanomaterials for Sustainable Development		
Date(s) of event: 1, 2 February 2019	Level: National	
No of Participants: Local 66	Outsiders 42	Students 74
Financial Support by: SKE SOCIETY		Grants Sanctioned: Rs. 1,15,000/-
Registration: Students – Rs. 200, Faculty – Rs. 500		
Total Expenditure: Rs. 1,15,000/-		
<p>Details of Chief Guest & Resource Persons:</p> <p>Prof. G. U. Kulkarni, Director CeNS as the chief guest</p> <p>Prof P. S. Patil, dean Shivaji University Kolhapur as the Guests of honor</p> <p>Dr. U. S. Raikar, KUD AND Dr. B. G. Hegde R. C. U. as Resource Persons</p>		
<p>Highlights of the programme (Max 100 words):</p> <p>This Two days Conference was a concrete step towards searching for new ideas for a sustainable future. Nanotechnology could play a key role in tackling many of the issues to provide efficient, cost effective and environmentally sustainable solutions.</p> <p>Other than the guest lectures, 30 papers were presented by the students and the research scholars. The delegates addressed a plethora of sustainability issues in both oral and power point presentations.</p>		
Three important Photographs of the event		
	 <p style="font-size: small;">Centre for Nano and Soft Matter Sciences, Bengaluru Director G.U. Kulkarni inaugurates the two-day national conference on Nano Materials for Sustainable Development organised by SKES GSS College in Belagavi on Friday. DH PHOTO</p> <p style="font-size: medium; font-weight: bold;">Conference on nanomaterials begins at GSS College</p>	

Mrs. S. V. Kulkarni
Convener and HoD, Physics




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Details of the Programme		
Title: A Lecture on Noble Prize in Physics 2015 “Neutrino Oscillations” - A glimpse of dark matter		
Date(s) of event: 01/08/2019	Level: Local	
No of Participants: Local: 12	Students: 42	
Details of Chief Guest & Resource Persons: Resource Person: Shri. Akshay B. Kulkarni Department of physics GSS College, Belagavi		
Highlights of the programme Explanation of 1. Neutrino and Neutron Confusion 2. Beta Decay and Neutrino 3. Detection of Neutrino 4. SNO Observatory experiment 5. Super Kamiokande Experiment 6. Dark matter and dark energy		
Three important Photographs of the event		
		

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Details of the Programme	
Title: Live Streaming Of Chandrayaan 2 Launch	
Date(s) of event: 22 nd July, 2019	Level: Local
No of Participants: Local : 15	Students: 150
Details of Chief Guest & Resource Persons: Prof.Praveen Patil Prof.Vinayak Kulkarni	
Highlights of the programme Chandrayaan-2 is India's second lunar exploration mission after Chandrayaan-1. Developed by the Indian Space Research Organisation, the mission was launched from the second launch pad at Satish Dhawan Space Centre on 22 nd July 2019 at 2.43PM IST to the moon by a Geosynchronous Satellite Launch Vehicle Mark III.	
Three important Photographs of the event	
	 

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Details of the Programme		
Title: Star Gazing Progam at Mhadei Research Center, Chorla		
Date(s) of event: 9 March 2019	Level: Local	
No of Participants: Students 50	Staff 20	
Financial Support by: Self Finance		
Highlights of the programme (Max 100 words): Stargazing basics introduction Sky observation session 1 Astronomy presentations by students and staff Observation session 2 – Stars and asterisms Documentary watching Hunting planets Saturn, Jupiter, Mars, Venus Small trek to Mhadei river delta		
Three important Photographs of the event		
		

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Details of the Programme	
Title: Galileo Astronomy Club (Stargazing Night-out)	
Date(s) of event: - 25/01/2020	Level: Local
No of Participants: Staff: 05	Students:48
Details of Chief Guest & Resource Persons: Shri. Praveen P Patil Department of physics, GSS College, Belagavi	
Highlights of the programme: Galileo Astronomy Club at Department of Physics G S S College organizing a Stargazing Night-out was organized in Hitani cross near Sankeshwar. This provided perfect ambiance and crystal clear, pollution free night sky for all night sky observation. We enjoyed mesmerizing views of following. Explanation of <div><div>1. Planets: Jupiter Mars and Venus.</div><div>2. Constellations: Ursa Major, Ursa Minor, Orion, Taurus, Canis Major, Scorpion, Hydra, Leo, Virgo,</div><div>3. Other objects/Asterisms : Orion Nebula, Winter Hexagon, The spring Triangle, Big dipper, Messier objects near constellation of scorpius.</div></div> Students tried their hands on astro photography and could capture amazing view of Milky way and some constellations.	
Three important Photographs of the event	
	
	

Departmental activities during year 2019-20

Sl.No	Activity	Date	Resource persons	Number of Participants	
				Staff	Students
1	Live streaming of "Chandrayan-2" launch	22-7-2019	Mr.Vinayak Kulkarni	15	150
2	Enrichment Lecture on Noble prize in Physics- 2019" Neutino oscillations-A glimpse of dark matter"	1-8-2019	Mr.A.B.Kulkarni	12	42
3	Enrichment lecture on "SUCCESS SUTRAS":Career guidance,What after B.Sc?	8-9-2019	Dr. Sushat Joshi,Dean Jain College of BCA &MCA,Belagavi	15	140
4	Team participation in ppt presentation at National level programme "Indian space programme" at RLSI ,Belgaum	25-2-2020	Title of paper: 1"Space food & Nutrition:An important component for GAGAYAN2022- India's ambitious manned mission -Prgati Yamoji	Won 3rd Prize	
			2."Chandrayan-1"- Rutu Dongare		
			3."Space fligh missions"- Sushma Patil &Priyadarshini Neelgar		

Departmental activities during year 2018-19

Sl.No	Activity	Date	Resource persons	Number of participants	
				Staff	Students
1	Enrichment lecture on "Research Trends in Physics"	11.8.2018	Dr.S.S.Kalagi	10	80
2	"What we do at Galileo club"	14.8.2018	Mr.Praveen Patil Mr.Vinayak Kulkarni	60	200
3	National conference on "Nanomaterials for sustainable development"	1-2-2019 to 2-2-2019	1.Prof.G.U.Kulkarni Director CeNS Bengaluru 2.Prof.P.S.PatilDean (S&T) Shivaji University,Kolhapur 3.Prof.U.S.Raikar K.U.Dharwad 4.Dr.B.G.Hegde R.C.University,Belagavi	34	74
4	Star gazing programme at Mahadayi Research centre,Chorla	9-3-2019	1.Mr.Praveen Patil Mr.Vinayak Kulkarni 3.Ms.A.U.Nayak Mr.R.S.Kademani Mr.A.A.Gawas	20	50
5	Study tour to CeNS &JNCASR,Bengaluru	29-3-2019	Dr.S.Krishnaprasad	8	42

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Details of the Programme

Title: JAM exam training program in PHYSICS.

Date(s) of event: 3.10.2021

Level: Regional

No of Participants: Staff :01

Students: 52

Highlights of the programme:

The detail of the JAM exam is provided to the students by Dr. A. B. Kulkarni. The details provided are as follows

- Basic understanding of JAM exam
- Who can write JAM exam
- Uniqueness of the examination
- Choice of subjects available
- Syllabus & Exam pattern
- Blooms taxonomy
- Why it's worth writing JAM

Important Photographs of the event

**JAM exam training program
in PHYSICS**

An introductory session
Join us at 4.00 pm on Sunday 3/10/21
<https://meet.google.com/inv-gsde-vdt>

Who can join?
**Open for all aspirants of
JAM (studying in B.Sc.)**

By,
Dr. Akshay B. Kulkarni

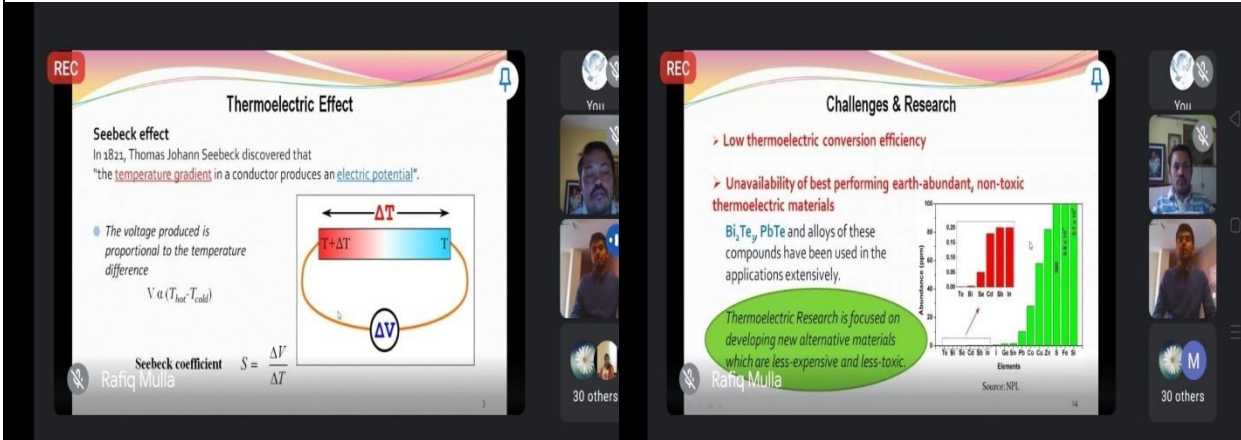
M.Sc., Ph.D., CSIR-NET, K-SET, M-SET, GATE

For those who want to join NIT, IIT, IISc and IISER's

What is
JAM?

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Details of the Programme		
Title: "Research work on Thermoelectric materials"		
Date(s) of event: 30.05.2021		
No of Participants:	Staff: 07	Students: 28
Details of Chief Guest & Resource Persons: Resource Person: Dr. Rafiq Mulla Post Doctoral Researcher Swansea University United Kingdom		
Highlights of the programme (Max 100 words): The Session on the topic "Research work on Thermoelectric materials" was held on 30 May 2021, through online mode. The Resource person Dr. Rafiq Mulla took the session and reflected his profound knowledge on the topic with effective presentation. The presentation covered certain topics like, thermoelectric materials, devices, applications, challenges faced and research work on the mentioned topics. As their main interest was to design low cost thermoelectric materials, Dr. Rafiq explained about steps involved in the procedure of making such devices in a detailed manner. The stunning videos and pictures used in the presentation grabbed the attention of the gathering. In the interactive session, both students and lecturers asked various questions pertaining to the topics covered and satisfactory answers were given by the resource person. The students found it very interesting and it gave them an opportunity to learn many things.		
Two important Photographs of the event		
		

SKES's G S S College , Belagavi
Physics Department
Two days' workshop on
“ADVANCES IN SOLAR SCIENCE: TECHNOLOGY AND INNOVATION”
(ASSTI-2022)
Dates: 2-6-2022 and 3-6-2022

For most organizations, the two largest energy consuming sectors are commercial buildings and fleet vehicles. The major challenge is to maximize energy efficiency while maintaining a comfortable environment that promotes occupant productivity, satisfaction and well-being. These can be achieved to a large extent by harnessing different renewable energy sources.

Because of government's mandate as well as to reduce the carbon footprint, industries all over the country are rushing to establish startups for setting up Solar power generation and its allied services. Solar power generation, distribution and utilization involves a number of processes. Maximum energy efficiency require properly designed materials, modules, and associated hardware.

To make the younger generation aware about the opportunities and challenges in the solar industry field, Physics department of SKE's GSS College organized a National Workshop on **“ADVANCES IN SOLAR SCIENCE: TECHNOLOGY AND INNOVATION”** on 2nd and 3rd June 2022 by inviting eminent people working in this field. The workshop was conducted in Hybrid mode for the first time in the college.

The workshop was inaugurated by Shri Kiran Thakur, Chairman, SKE Society. Prof. P. S. Patil, Pro VC, Shivaji University, Kolhapur, an eminent scientist ranked amongst the top 2% in the research field delivered the keynote address in virtual mode. He talked about the preparation methods and properties of materials required for harvesting solar energy.

The first invited talk in the technical session on “Solar Technology, Future and Job Potential” was given by Mr. Praful Roogi of “MAGNUM TECHNOLOGIES, Bangalore”. The second technical and interactive session addressed by Shri Dhananjay Patankar, from “TATA POWER” focused on “Solar energy scenario, Opportunities and Challenges”, which was followed by poster presentation by student delegates. A total of 12 teams participated in the poster presentation competition.

On the second day, again two technical sessions were conducted, one from industry and the other from academia. Shri Rounak Sheri, CEO of “EFFICIENT ENERGIES”, Belgaum discussed about “Insights on Solar Power” and job opportunities in the field. The second technical session “Energy Storage” and the research methodologies, was delivered by Dr. K. K. Sharma, Director, School of Nano science and Technology, Shivaji University, Kolhapur. This was followed by an exhibition of various devices employing solar energy such as solar heater, solar vegetable drier, solar panel cleaner (Manual), mini robot solar panel cleaner, solar tracking system, etc.

The valedictory function was presided over by Mrs. M. M. Shanbhag, Vice Chairman, G.S.S college managing committee. Dr. K. K. Sharma addressed the delegates and appreciated the efforts of the organizers for focusing on skill development through the workshop. He also gave away prizes to two teams for securing first and second place in poster competition.

A total of 130 student delegates and 30 faculties participated and benefitted from the workshop. The department is thankful to SKE Society for the encouragement and financial assistance. I am grateful to our principal, Shri B.L. Majumkar for his wholehearted support. I also thank all the members of the organizing committee for their efforts in making the workshop successful.

Dr.S.S.Kalagi
Organising Secretary
ASSTI-2022



Inaugural function



Management members , invitees and delegates during keynote address



Invited talk by Shri Praful Roogi of “MAGNUM TECHNOLOGIES”, Bangalore



Poster presentation competition



Invited talk by Shri Rounak Sheri, CEO of “EFFICEINT ENERGIES”,Belgaum



Organising committee,ASSTI-2022



Feedback by student delegate