



B. L. D. E. A's
S. B Arts and K. C. P Science College, Vijayapur,
(Affiliated to RCU, Belagavi)
Re-accredited at "A" Level in Third Cycle by NAAC

Two Day National Workshop
On
"NanoScience: Fundamentals to Basic Applications"
21 and 22, February, 2019

Sponsored By
Karnataka Science and Technology Academy
Department of Science and Technology,
Government of Karnataka

Organized by:
Department of PG Studies in Physics

February 2019

**B.L.D.E.ASSOCIATION'S
S. B. ARTS AND K. C. P. SCIENCE COLLEGE
VIJAYAPUR
RE-ACCREDITED at 'A' Grade In 3rd Cycle by NAAC**

Phone: (08352) – 261766, (08352) 262770 Extn. 2223, 2224

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REF./ ಕ್ರಮಾಂಕ : _____

Date /ದಿನಾಂಕ: 15-2-2019

Notice

It is hereby informed to all science faculty members students to attend the two day national workshop Sponsored by KSTA on the topic, "NanoScience: Fundamentals to Basic Applications" on **21 and 22 February, 2019** at the Seminar Hall of the College. All the faculty members and student will attend the seminar compulsory.

D. Jireju

Co-ordinator

Department of PG Studies in Physics
S.B. Arts and KCP Science College
VIJAYAPUR

D. Jireju

IQAC Coordinator
IQAC, Co-ordinator
S.B.Arts & K.C.P.Science College,
Vijayapur.

A. S. S.

Principal
Principal,
S.B, Arts & K.C.P. Sc. College
Bijapur.



Two-Day National Workshop

on

“NanoScience : Fundamentals to Basic Applications”

Sponsored By

Karnataka Science and Technology Academy

Department of Science and Technology,

Govt. of Karnataka,

Bengaluru

In Collaboration with

BLDE Association's

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(Affiliated to RCU, Belagavi)

Re-accredited at "A" Level in Third Cycle

Organized by

Department of PG Studies in Physics

Inaugural Function

Date: 21st February 2019 Time: 9.00 am Venue: Seminar Hall

President	Shri. S. H. Lagali	Administrative Officer BLDE Association, Vijayapur
Inaugurator	Dr. S. M. Shivaprasad	Director, Karnataka State Higher Education Academy, Dharwad Professor, International Centre For Material Science, JNCAR, Jakkur, Bengaluru
Chief Guest	Dr. A. M. Phani	Managing Director, INM Technologies Pvt. Ltd., New Delhi
Chief Guest	Dr. C. H. Bhosale	Professor, Dept of Physics, Sanjay Ghodawat University, Atigre, Kolhapur
Guest of Honor	Dr. A. M. Ramesh	Chief Executive Officer, KSTA, DST, GOK, Bengaluru

All are cordially invited

Dr. K. G. Pujari
Principal

Prof. S. B. Pattadakal
Head of Physics Department

Dr. Girija. M. Nimbhal
Coordinator



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Chief Guest	Dr. C. H. Bhosale	Professor, Dept of Physics, Sanjay Ghodawat University, Atigre, Kolhapur
Guest of Honor	Dr. A. M. Ramesh	Chief Executive Officer, KSTA, DST, GOK, Bengaluru

All are cordially invited

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Valedictory Function

Date: 22nd February 2019 Time: 4.00 pm Venue: Seminar Hall

President

Dr. K. G. Pujari

Principal

S.B.Arts and K.C.P Science College,

Vijayapur

Chief Guests

Dr. B. G. Hegde

Professor, Dept of Physics,
Rani Channamma University,
Belagavi

Prof. M. K. Rabinal

Professor,
Dept. of Physics,
KUD, Dharwad

Guest of Honor

Dr. A. M. Ramesh

Chief Executive Officer,
KSTA, DST, GOK, Bengaluru

All are cordially invited

Dr. K. G. Pujari
Principal

Prof. S. B. Pattadakal
Head of Physics Department

Dr. Girija. M. Nimbal
Coordinator

Workshop Themes

- Nanoscience fundamentals
- Nanocrystalline thin films
- Magnetic Nanomaterials
- Nano Industrial Applications
- Nanotechnology
- Career in the field of Nanotechnology

Registration

Spot Registration Fee without Accommodation

- UG & PG Students : 150/-
- Faculty : 300/-
- Industrial persons : 500/-

(Includes Kit, Working Lunch, Tea and Snacks)

Award and Cash Prizes

Test will be conducted based on all technical session of 50 multiple choice questions each carrying one marks. It is being conducted for PG students on Feb 22, 2019. The Prizes are

- First Prize : 10, 000/-
- Second Prize : 6,000/-
- Third Prize : 4,000/-

Resource Persons

- 1) **Dr. S. M. Shivaprasad**, Director, Karnataka State Higher Education Academy, Dharwad and Professor, International Center For Material Science, JNCAR, Jakkur, Bengaluru
- 2) **Prof. M. K. Rabinah**, Dept. of Physics, KUD, Dharwad.
- 3) **Dr. C. H. Bhosale**, Professor, Dept of Physics, Sanjay Ghodawat University, Atigre, Kolhapur.
- 4) **Dr. B. G. Hegade**, Professor, Dept of Physics, Rani Channamma University, Belagavi.
- 5) **Dr. A. M. Phani**, Managing Director, INM Technologies Pvt. Ltd., New Delhi.

Karnataka Science and Technology Academy (KSTA)

Karnataka Science and Technology Academy (KSTA) is an autonomous organization under the Department of Science and Technology, Govt. of Karnataka, which was established under the Chairmanship of distinguished Space Scientist Padma Vibhushan Late Prof. U. R. Rao, Former Chairman, ISRO/Secretary, DOS, and GOI. Presently Dr. S. K. Shivakumar, Former Director, URSC/ISTRAC, ISRO, GOI, is now Chairman of KSTA. Further, KSTA has 17 members comprising of eminent scientists, well-known educationists and senior administrators. Dr. H.Honnegowda Special Director (Technical), DST, Govt. of Karnataka is the Member Secretary of KSTA. KSTA has been organising educational and promotional programmes in associations with many educational institutions/universities across the state.

About The Workshop

Students studying in a master's degree in science subjects have major research in scientific fields that are eager to learn more about new innovations and recent emerging fields. Some of them have superior research but are intriguing about the topic of choice for those in higher studies. Goal of this workshop is to provide an opportunity to interact with eminent experts through their special lectures and discussion.

About the Association

An educationally and economically backward district Vijayapur had a bright ray of hope when men of philanthropy founded BLDE Association with a visionary zeal in 1910. They were inspired by the belief that education was the only means to chart a progressive future. Behind the inception of this association were the vision, foresight, and relentless efforts of eminent lovers of Knowledge like Vachana Pitamaha Dr. P. G. Hatakatti, Shivayogi Sangana Basava Swamiji of Banthanal and their disciples. Further, its patron the late Shri B. M. Patil by the devotion and dedication of the present Management headed by Dr. M. B. Patil, President of BLDE Association, Vijayapur and Honourable Home Minister Govt. of Karnataka, and the Association has heralded its new wings in various disciplines.

Programme Schedule

21, February, 2019 (Day - 1)

Registration	08:00am – 09:00am
Inauguration	09:00am – 10:00am
Session I	10:00am – 11:30am
Session II	12:00pm – 01:30pm
Lunch	01:30pm – 02:30pm
Session III	02:30pm – 4.00 pm
Session IV	04:00pm – 05:30pm

22, February, 2019 (Day - 2)

Session I	09:00am – 10:30am
Session II	10:30am – 12:00pm
Session III	12:00pm – 01:30pm
Lunch	01:30pm – 02:30pm
Session IV	02:30pm – 04.00 pm
Valedictory	04:00pm – 05:30pm

**Science is organized knowledge,
whereas wisdom is organized life.**

-Immanuel Kant.

About the college and Department

S. B. Arts and K. C. P. Science College was established in 1945. The department of PHYSICS was established in the year 1952. Further, it was strengthened by introducing Electronics in 1985. The department offers B. Sc with Physics and Electronics as one of the three subjects of equal importance. In the year 2015 PG Dept. of Physics started with well equipped laboratory.

Chief Patron

Dr. M. B. Patil

President

B. L. D. E. Association, Vijayapur
Honourable Home Minister,
Govt. of Karnataka

Patron

Shri. G. K. Patil

General Secretary,

B. L. D. E. Association, Vijayapur.

Chairman

Dr. K. G. Pujari

Principal

S. B Arts and K. C. P Science College, Vijayapur

: Members :

- Prof. S. B. Pattadakal, Asso Prof, Dept of Physics
Prof. B. G. Mirji, Asso Prof, Dept of Physics
Prof. S. Y. Achakanalli, Asso Prof, Dept of Physics
Prof. C. N. Chougule, Asso Prof, Dept of Physics
Prof. N. D. Adigonde, Asso Prof, Dept of Physics
Prof. M. S. Yadagiri, Asso Prof, Dept of Physics
Prof. A. B. Patil, Asso Prof, Dept of Physics
Prof. P. S. Koraddi, Rtd. Asso Prof, Dept of Physics
Prof. S. S. Kori, Rtd. Asso Prof, Dept of Physics
Miss. Shainaaz A. Nadaf, Lecturer, Dept of Physics
Miss. Anjana R. Kenganal, Lecturer, Dept of Physics
Smt. A. B. Aourasang, Lecturer, Dept of Physics
Miss. Deepa. D. Ullagaddi, Lecturer, Dept of Physics
Miss. Ashwini. S. Patil, Lecturer, Dept of Physics

All Teaching and Non Teaching Staff

: Advisory Members :

- Dr. B. G. Mulimani, Ex - Vice Chancellor, B.L.D.E University, Vijayapur.
- Dr. B.G.Math, Rtd. Principal, S.B Arts and K.C.P Science College, Vijayapur.
- Dr. Shedam M. R Vice Principal HOD Physics, The New College, Kolhapur.
- Dr. Mohammad Afzal, Principal, Secab A.R.S. Inamdar College, Vijayapur.
- Prof. Anand Rao Kulkarni, Dept of Physics, Government First Grade Degree College, Vijayapur.
- Dr. A. G. Chattrakki, Dept of Physics, Anjuman Degree College, Vijayapur.

: Organizing Committee Member :

Shri. Shreekant. S. Biradar

Assistant Prof, Dept PG studies In Physics
Ph: 7353564735

Smt. Soumya Sajjan

Assistant Prof, Dept PG studies in Physics
Ph: 8951121050

Shri Jirankalgi. S. N

Assistant Prof, Dept PG studies in Physics
Ph: 7875274069

Coordinator

Dr. Girija. M. Nimbal

Assistant Prof, Dept PG studies in Physics
M-8951346886

Email: drgirija.nimbal@gmail.com

From,

The Principal,

S. B Arts and K. C. P Science College,
B. M. Patil Road,
Vijayapur - 586 103

Web address: www.bldeasbkcp.org

e-mail: bldeasbkcp@gmail.com

Ph: (O) 08352-261766, 262770.

The Coordinator

Dr. A. M. Ramesh

Chief Executive Officer

KSTA, DST, GOK, Bengaluru

e-mail: ksta.gok@gmail.com

M- 8029721550

All are cordially invited.



BLDE Association's

**S.B. ARTS and K.C.P SCIENCE COLLEGE,
VIJAYAPUR**

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Re-accredited at "A" Level in Third Cycle

**Two-Day National Workshop
on**

**"NanoScience : Fundamentals
To Basic Applications"**

21st and 22nd, February, 2019

Venue:

Seminar Hall

S. B Arts and K. C. P Science College.

Smt. Bangaramma Sajjan Campus,

B. M. Patil Road, Vijayapur- Pin-586103, Karnataka

Sponsored By

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Department of PG Studies in Physics
S. B. Arts and K. C. P. Science College, Vijayapur.

Programme Schedule

Day 1: February 21, 2019 (Thursday) | Venue: Seminar Hall

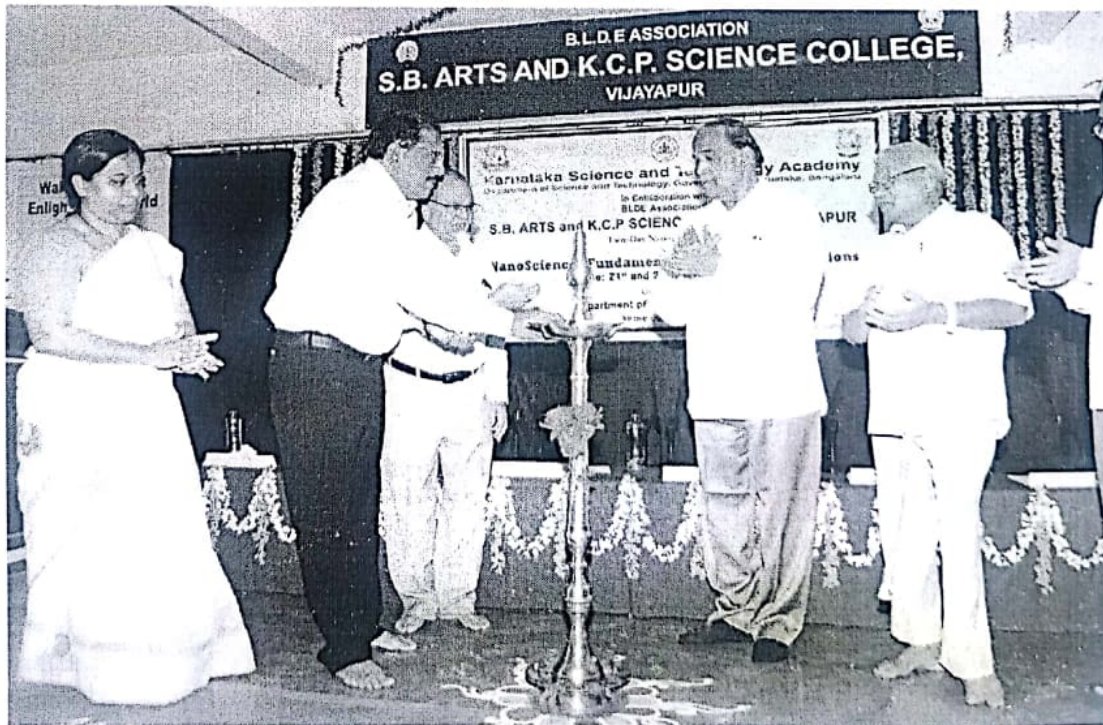
Sl. No	Topic of Presentation	Resource Experts	Time
Inaugural Function			09.00am- 10.30am
1	Alice in Nanoland	Prof. S. M. Shivaprasad Director, Karnataka State Higher Education Academy, Dharwad. And Professor, International Centre for Materials Science, Jawaharlal Nehru Centre Advanced Scientific Research (JNCASR), Bengaluru	10.30am- 2.00pm
2		Prof. S. M. Shivaprasad Director, Karnataka State Higher Education Academy, Dharwad And Professor, International Centre for Materials Science, Jawaharlal Nehru Centre Advanced Scientific Research (JNCASR), Bengaluru.	12.00pm-01.30pm
Lunch Break			1.30pm – 2.00pm
3	Solar Energy Assisted Purification of Water using Nanocrystalline Stratified Transition Metal Oxide Semiconductor Thin Films	Dr. C. H. Bhosale, Department of Physics, Sanjay Ghodawat University, Atige, Kolhapur	02.00pm- 3.30pm
Tea/Coffee Break			03.30pm- 3.40pm
4	Nano-structured materials by cost effective techniques for industrial applications	Dr. A. R. Pani Managing Director, Innovative Nano and Micro Technologies Pvt. Ltd., Bengaluru.	03.40pm- 5.10pm

Programme Schedule

Day 2: February 22, 2019 (Friday) | Venue: Seminar Hall

Sl. No	Topic of Presentation	Resource Experts	Time
1	Nano –Science and Nanotechnology for self Cleaning Cloths	Prof. M. K. Rabinal Dept of Physics, Karnataka University, Dharwad.	09.00am- 0.30am
2		Prof. M. K. Rabinal Dept of Physics, Karnataka University, Dharwad.	0.30am- 12.00pm
Tea/Coffee Break			12.00 pm- 12.15 pm
3	Magnetic Nano-materials: Theory and Applications	Dr. B. G. Hegade, Dept of Physics, Rani Channamma University, Belagavi.	12.15pm- 02.00pm
Lunch Break		2.00pm– 3.00pm	
4		Dr. B. G. Hegade, Dept of Physics, Rani Channamma University, Belagavi.	03.00pm -04.30pm
Multiple Choice Test			04.30pm – 05.20pm
Valedictory Function			05.30 pm

Inauguration by lightening Lamp by Dignitaries



Deviya

Co-ordinator

Department of PG Studies in Physics
S.B. Arts and KCP Science College
VIJAYAPUR

IQAC, Co-ordinator

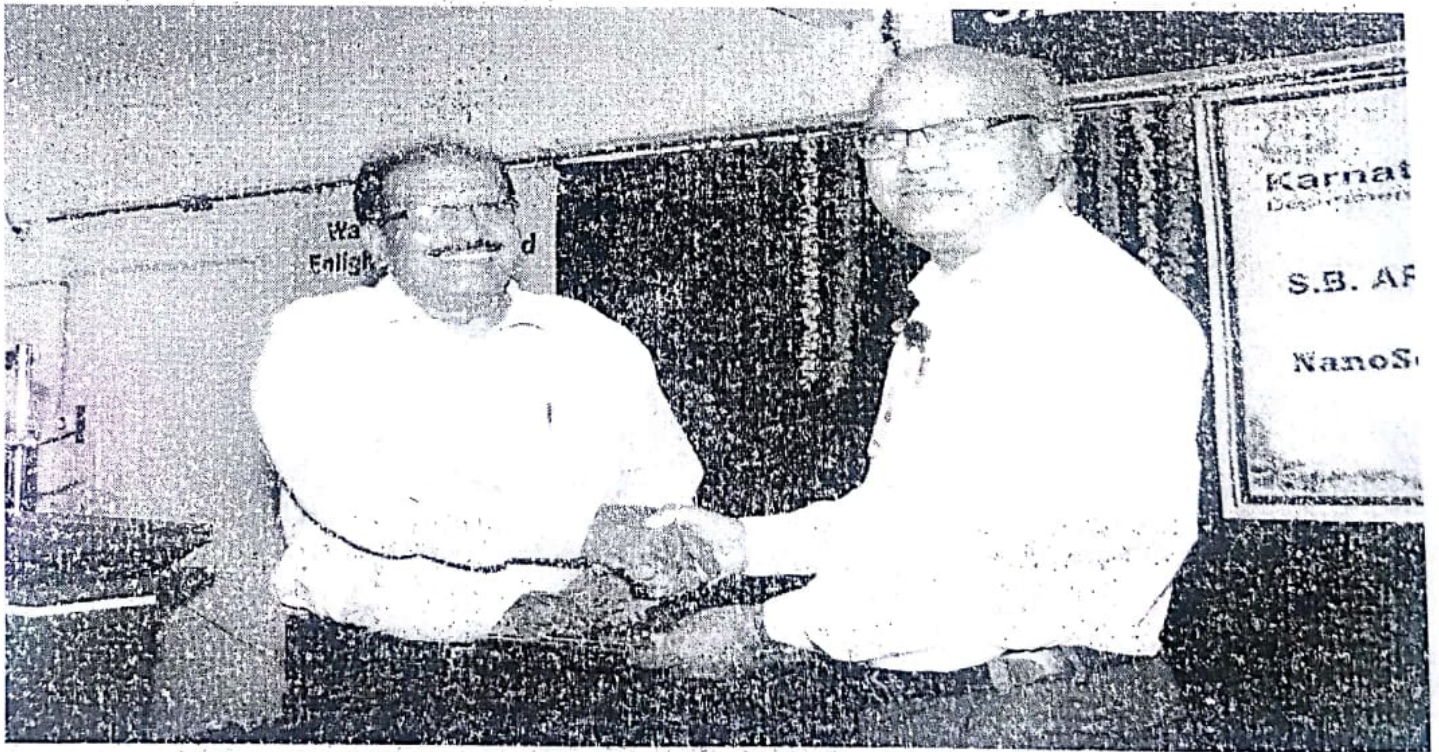
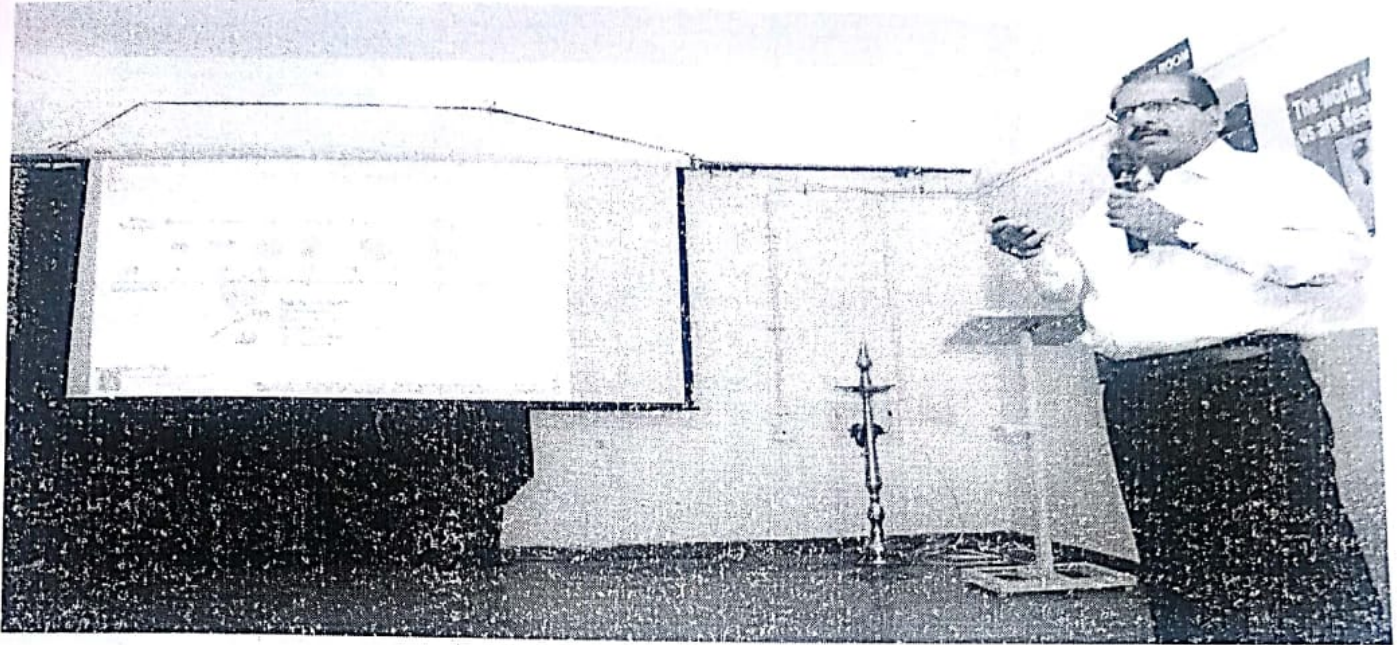
S.B.Arts & K.C.P.Science College,
Vijayapur.

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Principal,
S.B. Arts & K.C.P. Sc. College
Bijapur.

Technical Sessions

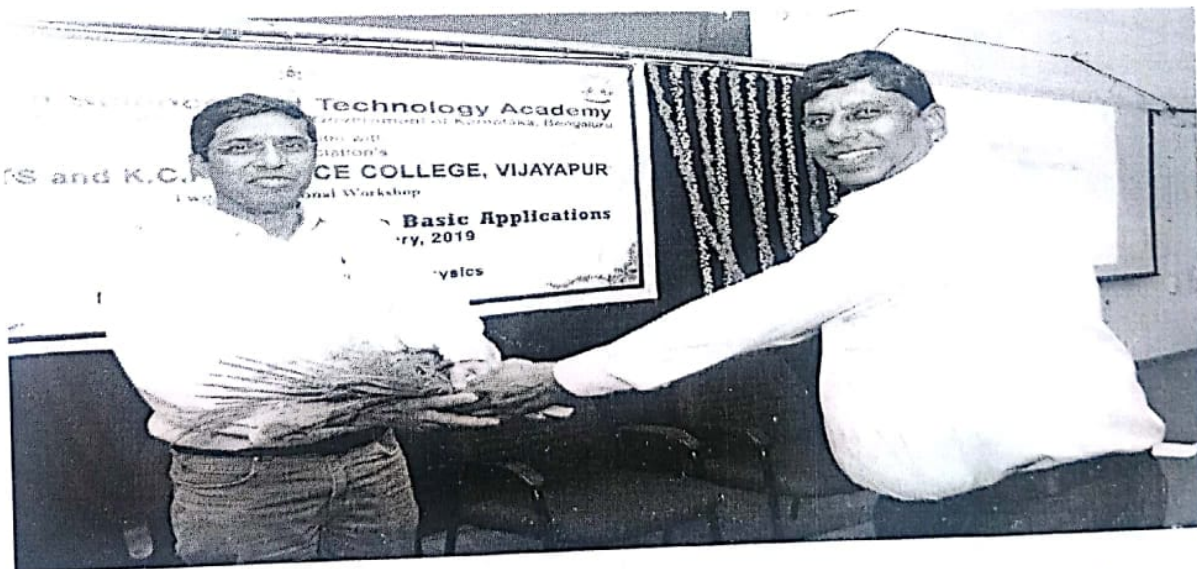
Technical Session by Prof M. K. Rabinal, Professor, KUD, Dharwad



Thankful Wishes by Prof B. G. Mirji to Prof. M. K. Rabinal



Interaction of Prof. S. M. Shivaprasad with Students

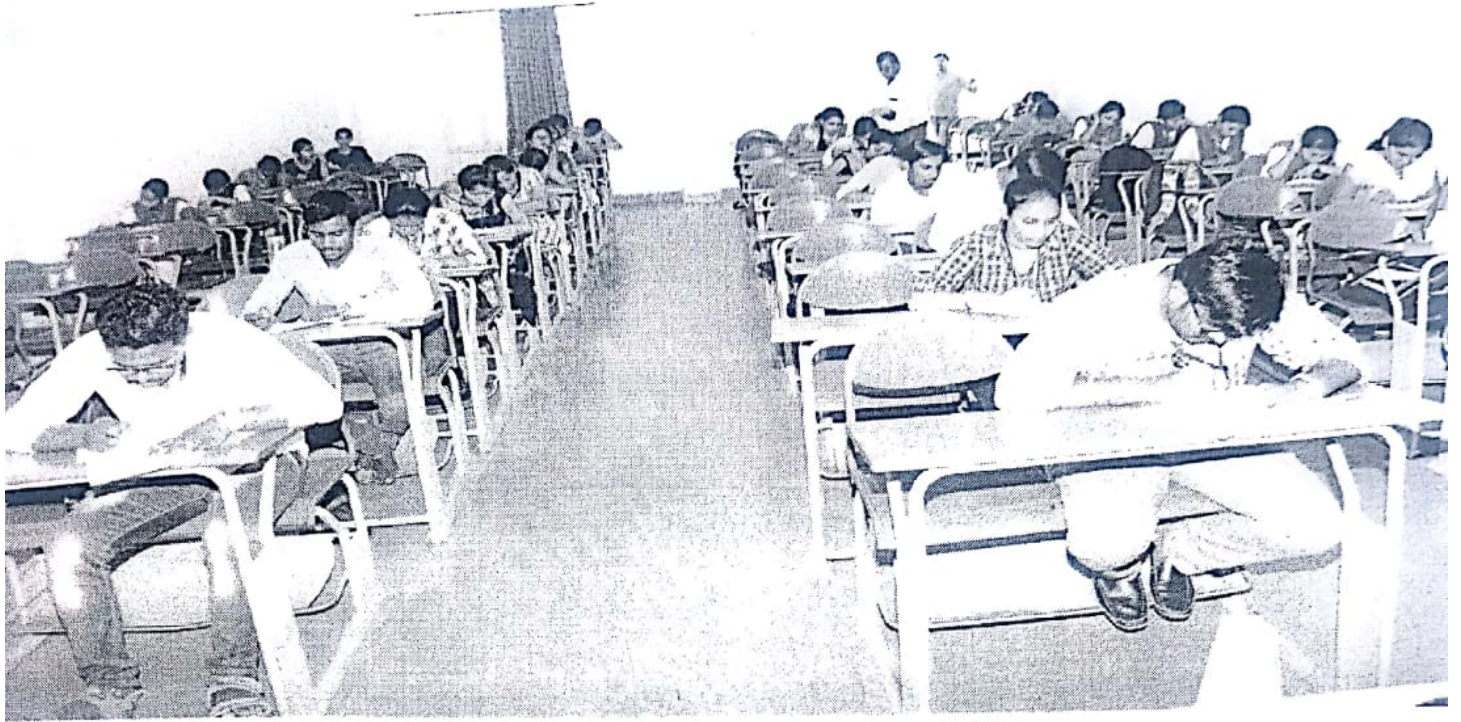


Garlanding and welcoming to Dr. B. G. Hegde by Prof N. D. Adigonde

Dejireja
 Co-ordinator
 Department of PG Studies in Physics
 S.B. Arts and K.C.P. Science College
 VIJAYAPUR

[Signature]
 KAC, Co-ordinator
 S.B. Arts & K.C.P. Science College,
 Vijayapur.

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 Principal,
 S.B. Arts & K.C.P. Sc. College
 Bijapur.



Valedictory Function





Function ended with national anthem

Most of nanotechnology's benefits will happen decades in the future but it's already helping to improve our world in many different ways. Nanotechnology is something new and alien perhaps because the word technology implies artificial and human-made but life itself. This is all very interesting and quite impressive but in our lives some meaning on a scale of meters but it's impossible to think about ordinary everyday existence on a scale thousand times smaller than a fly's eye. Yet the nanoscale world where atoms, molecules, proteins, and cells rule the roost is a place where science and technology gain an entirely new meaning. We can figure out how some of the puzzling things in our world actually work by seeing how atoms and molecules make them happen. It helps us understand why things happen by studying them at the smallest possible scale. Once we understand nanoscience, we can put the science into action to help solve our problems. That's what the word technology means and its pure science.

Two-day national level workshop on Nanoscience: Fundamentals to Basic Applications organized by the department of PG Studies in Physics, S. B. Arts and KCP Science College, Vijayapur. Prof. S. B. Padakal welcomed all the guests. Chief Guest Dr. B. G. Math talked on Nanoscience basic needs and how it is useful in our daily life. The function's Inaugural Address by Prof. M. K. Rabinal explained about nanoscience. And what is the application and for PG students encourage for research work. Then the Presidential remark by Shri S. H. Lagali, Administrative Officer, BLDE Association, Vijayapur. In this two-day workshop eight lecture series were conducted and 360 students attended and in multiple choice test best three winners were selected by valuation. Two days registration fee collected total 62,250/- rupees only.

Function ended with vote of thanks by Prof. Shreekanth S. Biradar, dept of PG Studies in Physics, S. B. Arts and KCP Science College, Vijayapur.


IQAC, Co-ordinator
S. B. Arts & K. C. P. Science College,
Vijayapur.


& Co-ordinator
Department of PG Studies in Physics
S. B. Arts and KCP Science College
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S. B Arts and K. C. P Science
College, Vijayapur

Organized by
Department of PG Studies in
Physics

Date: 21st and 22nd, February, 2019
Multiple Choice Question Test for Participant Students

ATTENDENCE

Date: 22nd February 2019

Block No.: 01

Time: 50 minutes

Student Code	Student Name	Name of Institution/College	Course	Sign
STA201901	Paramod. S	G. F. G. C. B. S. A. P. U. V.	UG <input checked="" type="checkbox"/> PG <input type="checkbox"/>	<u>Paramod</u>
STA201902	Ashwini. S. Hajeri	S. B. arts and K. C. P Science college.	UG <input checked="" type="checkbox"/> PG <input type="checkbox"/>	<u>Ashwini</u>
STA201903	Ashwini. R. Rathod	S. B. ()	UG <input checked="" type="checkbox"/> PG <input type="checkbox"/>	<u>Ashwini</u>
STA201904	Sheetal. S. Waghmode	S. B. Arts & K. C. P. Science college	UG <input checked="" type="checkbox"/> PG <input type="checkbox"/>	S.S. W.
STA201905	Pruthvi. P. Hiremath	" do "	UG <input checked="" type="checkbox"/> PG <input type="checkbox"/>	<u>Pruthvi</u>
STA201906	Beebeaisha. M. Halli	" do "	UG <input checked="" type="checkbox"/> PG <input type="checkbox"/>	<u>Beebeaisha</u>
STA201907	Pranjya. S. Joshi.	" do "	UG <input checked="" type="checkbox"/> PG <input type="checkbox"/>	<u>Pranjya</u>
STA201908	Danamma Khavari	A. W. U. Vijayapur	UG <input type="checkbox"/> PG <input checked="" type="checkbox"/>	<u>D. Khavari</u>
STA201909	Sheelavati. C. Santagi	S. B. Arts & K. C. P. SC college	UG <input checked="" type="checkbox"/> PG <input type="checkbox"/>	<u>S. C. Santagi</u>
STA201910	Ashwini. A. Koli	S. B. Arts & K. C. P. SC college	UG <input checked="" type="checkbox"/> PG <input type="checkbox"/>	<u>AAK</u>
STA201911	Bhemanabai. Vardai	S. B. Arts & K. C. P. Science college	UG <input checked="" type="checkbox"/> PG <input type="checkbox"/>	<u>Bhemanabai</u>
STA201912	Rajshree. A. Ronad	J. T. College Gadag	UG <input type="checkbox"/> PG <input checked="" type="checkbox"/>	<u>Rajshree</u>
STA201913	Mahantesh. G	S. B. Arts & K. C. P. Science college	UG <input type="checkbox"/> PG <input checked="" type="checkbox"/>	<u>Mahantesh</u>
STA201914	Raghavendra. K	J. T. College Gadag	UG <input type="checkbox"/> PG <input checked="" type="checkbox"/>	<u>Raghavendra</u>

Student Code	Student Name	Name of Institution/College	Course	Sign
KSTA201985	Savita S	AKKAMAHADEVI. WOMEN'S UNIVERSITY VIJAYAPUR	UG <input type="checkbox"/> PG <input checked="" type="checkbox"/>	
KSTA201986	Tuppad Parankumar Kambale	S.B and BSCP Science College Vijayapur	UG <input checked="" type="checkbox"/> PG <input type="checkbox"/>	
KSTA201987	Satish walur	S.B. Arts & P-Rep Suman college vijapur	UG <input checked="" type="checkbox"/> PG <input type="checkbox"/>	
KSTA201988	Sunjeev Ghanti.	G.F.G.C Vijaypur	UG <input checked="" type="checkbox"/> PG <input type="checkbox"/>	
KSTA201989	Shilpa. Hirimath	G.F.G.C Vijaypur	UG <input type="checkbox"/> PG <input type="checkbox"/>	
KSTA201990	Raveena Madik	G.F.G.C Vijaypur	UG <input type="checkbox"/> PG <input type="checkbox"/>	
KSTA201991	SHIVANAND MULAMANI	RLSI collage Belgavi	UG <input type="checkbox"/> PG <input checked="" type="checkbox"/>	
KSTA201992	PRIVANKA CHAVAN	G.R.G. and Y.A Shanteshwar clz - Indi	UG <input checked="" type="checkbox"/> PG <input type="checkbox"/>	
KSTA201993	Boja Pejari	G.R.G and Y.A Shanteshwar clz - Inge	UG <input checked="" type="checkbox"/> PG <input type="checkbox"/>	
KSTA201994	Pratibha yonal.	B.B Arts & K.C.P science college - vijaypur	UG <input checked="" type="checkbox"/> PG <input type="checkbox"/>	
KSTA201995	Kavita Enagi	S.B Arts & KCP science college - vijayapur	UG <input checked="" type="checkbox"/> PG <input type="checkbox"/>	
KSTA201996	Savitri Badigeri	A.R.S. Inamdar. Arts, Sci & Com college vijayapur	UG <input checked="" type="checkbox"/> PG <input type="checkbox"/>	
KSTA201997	Bhanaji S. Kadasidda	A.R.S Inamdar. Arts & Com collage vijayapur	UG <input checked="" type="checkbox"/> PG <input type="checkbox"/>	
KSTA201998	Supriya S. Atanur	AWU Vijayapur	UG <input type="checkbox"/> PG <input checked="" type="checkbox"/>	
KSTA201999	Shweta. Bivadar.	S.B Arts & KCP science college Vijayapur	UG <input checked="" type="checkbox"/> PG <input type="checkbox"/>	

Student Code	Student Name	Name of Institution/College	Course
KSTA2019310	Bachin Roopanoor	S.B arts & KCP science college vijayapur	UG <input checked="" type="checkbox"/> PG <input type="checkbox"/>
KSTA2019311	Abdulajeej. Nada?	"	UG <input checked="" type="checkbox"/> PG <input type="checkbox"/>
KSTA2019312	Nagesh. S. Nirgadali	S:B arts & KCP science college vijayapur	UG <input checked="" type="checkbox"/> PG <input type="checkbox"/>
KSTA2019313	-		UG <input type="checkbox"/> PG <input type="checkbox"/>
KSTA2019314	-		UG <input type="checkbox"/> PG <input type="checkbox"/>
KSTA2019315	-		UG <input type="checkbox"/> PG <input type="checkbox"/>

Total No of students: 35
 No of students present: 32
 No of students absent: 03

Name of Supervisor: Dr. S.D. Lambani
 Signature of Supervisor:





Two Day National Workshop On
"NanoScience: Fundamentals to Basic Applications"
Multiple Choice Question Test (Answer sheet) Date: 22nd, February, 2019

Student Code:

Q. No. 1	a <input type="radio"/>	b <input type="radio"/>	c <input type="radio"/>	d <input type="radio"/>	Q. No. 26	a <input type="radio"/>	b <input type="radio"/>	c <input type="radio"/>	d <input type="radio"/>
Q. No. 2	a <input type="radio"/>	b <input type="radio"/>	c <input type="radio"/>	d <input type="radio"/>	Q. No. 27	a <input type="radio"/>	b <input type="radio"/>	c <input type="radio"/>	d <input type="radio"/>
Q. No. 3	a <input type="radio"/>	b <input type="radio"/>	c <input type="radio"/>	d <input type="radio"/>	Q. No. 28	a <input type="radio"/>	b <input type="radio"/>	c <input type="radio"/>	d <input type="radio"/>
Q. No. 4	a <input type="radio"/>	b <input type="radio"/>	c <input type="radio"/>	d <input type="radio"/>	Q. No. 29	a <input type="radio"/>	b <input type="radio"/>	c <input type="radio"/>	d <input type="radio"/>
Q. No. 5	a <input type="radio"/>	b <input type="radio"/>	c <input type="radio"/>	d <input type="radio"/>	Q. No. 30	a <input type="radio"/>	b <input type="radio"/>	c <input type="radio"/>	d <input type="radio"/>
Q. No. 6	a <input type="radio"/>	b <input type="radio"/>	c <input type="radio"/>	d <input type="radio"/>	Q. No. 31	a <input type="radio"/>	b <input type="radio"/>	c <input type="radio"/>	d <input type="radio"/>
Q. No. 7	a <input type="radio"/>	b <input type="radio"/>	c <input type="radio"/>	d <input type="radio"/>	Q. No. 32	a <input type="radio"/>	b <input type="radio"/>	c <input type="radio"/>	d <input type="radio"/>
Q. No. 8	a <input type="radio"/>	b <input type="radio"/>	c <input type="radio"/>	d <input type="radio"/>	Q. No. 33	a <input type="radio"/>	b <input type="radio"/>	c <input type="radio"/>	d <input type="radio"/>
Q. No. 9	a <input type="radio"/>	b <input type="radio"/>	c <input type="radio"/>	d <input type="radio"/>	Q. No. 34	a <input type="radio"/>	b <input type="radio"/>	c <input type="radio"/>	d <input type="radio"/>
Q. No. 10	a <input type="radio"/>	b <input type="radio"/>	c <input type="radio"/>	d <input type="radio"/>	Q. No. 35	a <input type="radio"/>	b <input type="radio"/>	c <input type="radio"/>	d <input type="radio"/>
Q. No. 11	a <input type="radio"/>	b <input type="radio"/>	c <input type="radio"/>	d <input type="radio"/>	Q. No. 36	a <input type="radio"/>	b <input type="radio"/>	c <input type="radio"/>	d <input type="radio"/>
Q. No. 12	a <input type="radio"/>	b <input type="radio"/>	c <input type="radio"/>	d <input type="radio"/>	Q. No. 37	a <input type="radio"/>	b <input type="radio"/>	c <input type="radio"/>	d <input type="radio"/>
Q. No. 13	a <input type="radio"/>	b <input type="radio"/>	c <input type="radio"/>	d <input type="radio"/>	Q. No. 38	a <input type="radio"/>	b <input type="radio"/>	c <input type="radio"/>	d <input type="radio"/>
Q. No. 14	a <input type="radio"/>	b <input type="radio"/>	c <input type="radio"/>	d <input type="radio"/>	Q. No. 39	a <input type="radio"/>	b <input type="radio"/>	c <input type="radio"/>	d <input type="radio"/>
Q. No. 15	a <input type="radio"/>	b <input type="radio"/>	c <input type="radio"/>	d <input type="radio"/>	Q. No. 40	a <input type="radio"/>	b <input type="radio"/>	c <input type="radio"/>	d <input type="radio"/>
Q. No. 16	a <input type="radio"/>	b <input type="radio"/>	c <input type="radio"/>	d <input type="radio"/>	Q. No. 41	a <input type="radio"/>	b <input type="radio"/>	c <input type="radio"/>	d <input type="radio"/>
Q. No. 17	a <input type="radio"/>	b <input type="radio"/>	c <input type="radio"/>	d <input type="radio"/>	Q. No. 42	a <input type="radio"/>	b <input type="radio"/>	c <input type="radio"/>	d <input type="radio"/>
Q. No. 18	a <input type="radio"/>	b <input type="radio"/>	c <input type="radio"/>	d <input type="radio"/>	Q. No. 43	a <input type="radio"/>	b <input type="radio"/>	c <input type="radio"/>	d <input type="radio"/>
Q. No. 19	a <input type="radio"/>	b <input type="radio"/>	c <input type="radio"/>	d <input type="radio"/>	Q. No. 44	a <input type="radio"/>	b <input type="radio"/>	c <input type="radio"/>	d <input type="radio"/>
Q. No. 20	a <input type="radio"/>	b <input type="radio"/>	c <input type="radio"/>	d <input type="radio"/>	Q. No. 45	a <input type="radio"/>	b <input type="radio"/>	c <input type="radio"/>	d <input type="radio"/>
Q. No. 21	a <input type="radio"/>	b <input type="radio"/>	c <input type="radio"/>	d <input type="radio"/>	Q. No. 46	a <input type="radio"/>	b <input type="radio"/>	c <input type="radio"/>	d <input type="radio"/>
Q. No. 22	a <input type="radio"/>	b <input type="radio"/>	c <input type="radio"/>	d <input type="radio"/>	Q. No. 47	a <input type="radio"/>	b <input type="radio"/>	c <input type="radio"/>	d <input type="radio"/>
Q. No. 23	a <input type="radio"/>	b <input type="radio"/>	c <input type="radio"/>	d <input type="radio"/>	Q. No. 48	a <input type="radio"/>	b <input type="radio"/>	c <input type="radio"/>	d <input type="radio"/>
Q. No. 24	a <input type="radio"/>	b <input type="radio"/>	c <input type="radio"/>	d <input type="radio"/>	Q. No. 49	a <input type="radio"/>	b <input type="radio"/>	c <input type="radio"/>	d <input type="radio"/>
Q. No. 25	a <input type="radio"/>	b <input type="radio"/>	c <input type="radio"/>	d <input type="radio"/>	Q. No. 50	a <input type="radio"/>	b <input type="radio"/>	c <input type="radio"/>	d <input type="radio"/>

Marks obtained:	Correct answers(+1M)	Wrong answers(-0.25M)	Total
No. of answers			
Marks			

Name of Evaluator:

Signature of Student Signature of Supervisor

Signature of Evaluator:

24. Monochromatic (one color) light is sometimes used to increase the resolution of light microscopes. Light of which color would give you the best resolution?
 a) Red b) Orange c) Green d) Blue
25. Which discovery and invention boosted the growth of Nanoscience?
 a) Death of Death and Tiny machines b) Artificial Intelligence and Hyperthermia
 c) C₆₀ and Scanning Tunneling Microscope d) None of the above
26. What happens to the band gap as the size of material increases?
 a) Increases b) Decreases c) No change d) None of the above
27. What exactly is a quantum dot?
 a) A nanostructure that confines the motion of electrons or excitons in all three spatial directions.
 b) The sharpest possible tip of an atomic force microscope (AFM)
 c) A fictional term used in science fiction for the endpoints of wormholes
 d) Unexplained spots that appear in electron microscopy images of nanostructures smaller than 1 nanometre
28. Which one among the below property belongs to nano material?
 a) Lower surface area to volume ratio b) Large surface area to volume ratio
 c) Average surface area to volume ratio d) None of the above
29. Who said "There is a plenty of room at the bottom".
 a) Albert Einstein b) Richard Feynman c) Sumioliijima d) Harry Kroto
30. Solar energy reaching on the Earth surface is ----- MW
 a) 1×10^{32} b) 1.8×10^{11} c) 2.1×10^{30} d) 23×10^2
31. Wavelength range for ultraviolet radiation is -----A⁰
 a) 110 – 210 b) 100 – 400 c) 300- 500 d) 400- 750
32. Present world population is ----- Billions.
 a) 3 b) 7 c) 11 d) 5
33. World requirement of energy is ----- J/Yr
 a) 10×10^{20} b) 4.1×10^{20} c) 5.5×10^{20} d) 6.7×10^{20}
34. Energy received daily from the SUN is ----- KWh/m²
 a) 3 b) 5 c) 10 d) 45
35. World requirement of energy per year is -----J/Y
 a) 7.1×10^{21} b) 4.1×10^{21} c) 11×10^{21} d) 8.1×10^{21}
36. Solar energy radiated by sun consists of ----- radiations
 a) only UV b) UV, Visible and IR c) only IR d) only visible
37. One of the Criteria to select a semiconductor as a Photocatalyst is that valence band should be-----
 ----- the redox potential of pollutants.
 a) Above b) below c) above oxygen d) below oxygen
38. Principle of Photocatalysis involves absorption of -----
 a) electron b) photon c) neutron d) proton
39. Band gap energy of TiO₂ is ----- eV.
 a) 2.4 b) 3.2 c) 1.6 d) 2.1



Two Day National Workshop
On

“NanoScience: Fundamentals to Basic Applications”

Sponsored by
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Department of Science and Technology, Government of Karnataka, Bengaluru

In Collaboration with

B.L.D.E Association's
S. B Arts and K. C. P Science College, Vijayapur,
(Affiliated to RCU, Belagavi)
Re-accredited at “A” Level in Third Cycle by NAAC

Organized by
Department of PG Studies in Physics

Inaugural Function

Date: 21st February 2019

Time: 9.00 am

Venue: Seminar Hall

President	Shri. S. H. Lagali	Administrative Officer, BLDE Association, Vijayapur.
Inaugurator	Prof. M. K. Rabinal	Professor, Dept. of Physics, Karnataka University Dharwad
Chief Guests	Dr. B. G. Math	Farmer Principal S. B. Arts and KCP Science College, Vijayapur
Guest of Honor	Dr. K. G. Pujari	Principal S. B Arts and K. C. P Science College, Vijayapur

ALL ARE CORDIALLY INVITED

Dr. K. G. Pujari
Principal

Prof. S. B. Pattadakal
Head of Physics Department

Dr. Girija. M. Nimbale
Coordinator



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Organized by
Department of PG Studies in Physics

Valedictory Function

Date: 22nd February 2019

Time: 4.00 pm

Venue: Seminar

President	Prof.S.B.Patadakal	Head of Department Dept of Physics S. B Arts and K. C. P. College, Vijayapur
Chief Guest	Dr. S. M. Shivaprasad	Director, Karnataka State Higher Academy, Dharwad. Professor, International Material Science. JNCAR Bengaluru
Chief Guest	Dr. B. G. Hegade	Professor, Dept of Physics Rani Channamma Unives Belagavi

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Department of PG Studies in Physics

Inaugural Function

Date: 21st February 2019

Time: 9.00 am

Venue: Seminar Hall

- | | | |
|----|--|---|
| 1 | Invocation | By Students |
| 2. | Welcome Speech and Introduction of Dignitaries | Prof. S. B. Pattadkal, HOD, Dept of Physics, SB Arts and KCP Science College, Vijayapur |
| 3 | Inauguration | Prof. M. K. Rabinal, Department of Physics, Karnataka University, Dharwad |
| 4 | Garlanding | Prof. M. K. Rabinal, Professor, Department of Physics, KUD, Dharwad |
| 5 | Inaugural and keynote address | Dr. B. G. Math, Former Principal, SB Arts and KCP Science College, Vijayapur |
| 6 | Address by Chief Guest | Shri. S. H. Lagali, Administrative officer BLDE Association, Vijayapur |
| 7 | Presidential Remarks | Prof. C. N. Cougule, Assistant professor, Dept of Physics, SB Arts and KCP Science College, Vijayapur |
| 8 | Vote of Thanks | Smt. Soumya. Sajjan
Miss. Shivaganga. S |
| 9 | Master of ceremony | Miss. Shainaaz Nadaf
Mr. Hrishikesh Dixit |

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Department of PG Studies in Physics

Valedictory Function

Date: 22nd February 2019

Time: 4.00 pm

Venue: Seminar Hall

1	Welcome Speech and Introduction of Dignitaries	Prof.B.G.Mirji , Associate Prof, Dept of Physics, SB Arts and KCP Science College, Vijayapur
2	Garlanding	
3	Prize Distribution	
4	Keynote address by Chief Guest	Dr. B. G. Hegde, Professor, Department of Physics , RCU, Belagavi
5	Presidential Remarks	Prof. S. B. Pattadakal , HOD, Department of Physics, S. B. Arts and K.C.P Science college, Vijayapur
6	Vote of Thanks	Shri Jirankalgi. S. N, Assistant professor, Dept of PG studies Physics, S. B. Arts and K. C. P Science College ,Vijayapur
7	Master of ceremony	Smt. Soumya. Sajjan Miss. Shivaganga. S Miss. Shainaaz Nadaf Mr. Hrishikesh Dixit



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On
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 Date: 21 and 22, February, 2019

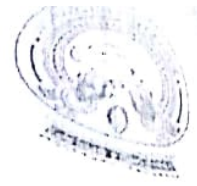
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 Vijayapur.

Programme Schedule

Day 1: February 21, 2019 (Thursday) | Venue: Seminar Hall

Sl. No	Topic of Presentation	Resource Experts	Time
Inaugural Function			09.00am- 10.30am
1	Fundamental Application for Nanoscience	Prof. M. K. Rabinal Dept of Physics, Karnataka University, Dharwad.	10.30am- 02.00pm
2	Solar Energy Assisted Purification of Water using Nanocrystalline Stratified Transition Metal Oxide Semiconductor Thin Films -I	Dr. C. H. Bhosale, Department of Physics, Sanjay Ghodawat University, Atige, Kolhapur	12.00pm-01.30pm
Lunch Break			01.30pm – 02.00pm
3	Nano –Science and Nanotechnology for self Cleaning Cloths	Prof. M. K. Rabinal Dept of Physics, Karnataka University, Dharwad.	02.00pm- 03.30pm
Tea/Coffee Break			03.30pm- 03.40pm
4	Solar Energy Assisted Purification of Water using Nanocrystalline Stratified Transition Metal Oxide Semiconductor Thin Films- II	Dr. C. H. Bhosale, Department of Physics, Sanjay Ghodawat University, Atige, Kolhapur	03.40pm- 05.10pm



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Vijayapur.

Programme Schedule

Day 2: February 22, 2019 (Friday) | Venue: Seminar Hall

Sl. No	Topic of Presentation	Resource Experts	Time
1	Alice in Nanoland	Prof. S. M. Shivaprasad Director, Karnataka State Higher Education Academy, Dharwad, And Professor, International Centre for Materials Science, Jawaharlal Nehru Centre Advanced Scientific Research (JNCASR), Bengaluru	09.00am- 0.30pm
2		Prof. S. M. Shivaprasad Director, Karnataka State Higher Education Academy, Dharwad And Professor, International Centre for Materials Science, Jawaharlal Nehru Centre Advanced Scientific Research (JNCASR), Bengaluru.	0.30am- 12.00pm
Tea/Coffee Break			
3	Magnetic Nano-materials: Theory and Applications	Dr. B. G. Hegade, Dept of Physics, Rani Channamma University, Belagavi.	12.00 pm- 12.35 12.15pm- 02.00
4		Lunch Break	
Multiple Choice Test			
Valedictory Function			
			04.30pm - 05.30 05.30 pm

x

Name	Address of college	Staff / student UG / PG	E-mail id
Pattadakal	S.B. Arts and KCP science college Vijaypur	ASSO. Prof	pattadakal sb.
Chachakanalli	"	ASSO. Prof	shrishail.achekar
Mirji	"	ASSO. Prof	mirjibg@gmail
Yadagiri	"	ASSO. Prof	Mallikarjun Yadagiri 7
Patil	"	ASSO. Prof	ashokpatil1963
Adiconda	"	ASSO. Prof	cnchongule 569
Chongule	"	"	

7

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Mallikarjun yadgisi 7@gmail.com	9449190513	300/-
ashok patil 1963@gmail.com	8762344252	300/-
	9611788680	300/-
cnchongule 5692@gmail.com	9481082041	300/-
		2,100/-

mail Id

Contact
Number

Amount

150

150

150

150


TOTAL = 3,000/-



**B.B. Arts & K.C.P. Sc. College
Bijapur.**



**IQAC, Co-ordinator
S.B.Arts & K.C.P.Science College,
Vijayapur.**


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