



B.L.D.E Association's
S. B. Arts and K. C. P. Science College
Vijayapur

(Affiliated to RCU, Belagavi)
Accredited at "A" Level in Third Cycle by NAAC



Two-Day National Workshop

On

"Theory and Principles of Characterization Techniques in Physics"
(Instrumentation)

Date: 24 and 25, October, 2017

Organised by

Department of PG Studies in PHYSICS

October- 2017



**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**

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REF./ ಕ್ರಮಾಂಕ : _____

Date / ದಿನಾಂಕ: 20-10-2017

Notice

It is hereby informed to all science faculty members Students to attend the self financed Two-Day National Workshop on the topic, "Theory and Principles of Characterization Techniques in Physics (Instrumentation)" on 24 and 25 October 2017 at the Seminar Hall of the College. All the faculty members and the students will attend the workshop compulsory.

Deviya

Event Coordinator

Co-ordinator

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

[Signature]

IQAC Coordinator

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

[Signature]

Principal

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



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

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**Two-Day National Workshop
On
"Theory and Principles of Characterization Techniques in Physics" (Instrumentation)**

Date: 24 and 25, October, 2017

Organized by
Department of PG Studies in PHYSICS

Programme

Valedictory Function

Date: 25, October, 2017

Venue: Seminar Hall

Time: 04.30pm

PROGRAM DETAILS

1. Welcome Speech	Shri Jirankalagi. Siddaraya. N, Assistant Professor, Department of PG Studies in Physics.
2. Introduction of Dignitaries	Shri Shreekant. S. Biradar, Assistant Professor, Department of PG Studies in Physics.
3. Garlanding	
4. Rapporteuring	Soumya. Sajjan, Assistant Professor, S. B. Arts and K. C. P. Science College, Vijayapur.
5. Feedback	
1. Valedictory Address by Chief Guest	Dr. L. R. Naik, Registrar, Akkamahadevi University, Vijayapur.
2. Presidential Remarks	Dr. B. G. Math, Rtd Principal, S. B. Arts and K. C. P. Science College, Vijayapur.
3. Vote of Thanks	Smt. Soumya. Sajjan, Assistant Professor, Department of PG Studies in Physics.
4. National Anthem	

Master of Ceremony: Smt Soumya Sajjan

Miss. Rani. Badiger

Mr. Rajakumar. Golagi



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Two-Day National Workshop
On
"Theory and Principles of Characterization Techniques in Physics" (Instrumentation)

Date: 24 and 25, October, 2017

Organized by
Department of PG Studies in PHYSICS

Program
Inauguration Function

Date: 24, October, 2017

Venue: Seminar Hall

Time: 10.30am

PROGRAM DETAILS

1. Invocation	T. Chaitra and group
2. Welcome Speech	Prof. S. B. Pattadakal, Head of Physics Department.
3. Introduction of Dignitaries	Prof. N. D. Adigonde, Associate Professor, Department of Physics.
4. Garlanding	1. To the President of this function, Dr K. G. Pujari by Prof. P. S. Koraddi. 2. To the Chief Guest of this function Dr. K. M. Jadhav by Prof. S.Y. Achakanalli. 3. To the Inaugurator of this function Dr. M. S. Jogad by Prof. S. S. Kori. 4. To the Head of Physics Department Prof. S. B. Pattadakal by Prof. M. S. Yadagiri. 5. To the Coordinator of this Workshop Dr. Girija. Nimbale by Smt. Savita. Kanakaraddi.
5. Inauguration	Dr. M. S. Jogad, Central University of Karnataka, Kadaganchi, Kalaburgi.
6. Inaugural Address	Dr. M. S. Jogad, Central University of Karnataka, Kadaganchi, Kalaburgi.
7. Keynote Address by Chief Guest	Dr. K. M. Jadhav, Department of Physics, Dr. B. R. Ambedkar University, Aurangabad, Maharashtra.
8. Presidential Remarks	Dr. K. G. Pujari, Principal, S. B. Arts and K. C. P. Science College, Vijayapur.
9. Vote of Thanks	Dr. Girija. M. Nimbale, Assistant Professor, Department of PG Studies in Physics and the Coordinator of this Workshop.

Master of Ceremony: Smt. Soumya. Sajjan
Miss. Rani. Badiger
Mr. Rajakumar. Golagi

About the Workshop: The Workshop aims to provide in depth theoretical knowledge about the principle of the instruments. Structural characterization of materials is a routine yet an important step in preparation of materials. Analytical tools like XRD, SEM, TEM, AFM are used in material science refers to the use of external technique to probe into the internal structure and properties of materials. The scope of this is mainly focused on providing the basic knowledge on the various characterization techniques such as FTIR, UV, XRD, SEM, TEM, AFM, TGA, etc.

About the Institute: An educationally and economically backward district Vijayapur had a bright ray of hope when men of philanthropy founded B.L.D.E. 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. Halakatti, Shivayogi Sangana Basava Swamiji of Banthanal and their disciples. Further, its patron the late Shri B. M. Paul by the devotion and dedication of the present Management headed by Shri M. B. Patil, President of B.L.D.E. Association, Vijayapur & Honorable Minister of Water Resource Govt of Karnataka and the Association has heralded its new wings in various disciplines.

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
(Honorable Minister of Water Resource Govt Karnataka)

Patron
Prof. S. H. Jagali
Administrator
B. L. D. E. Association, Vijayapur

Chairman
Dr. K. G. Pujari
Principal
S. B Arts and K. C. P Science College, Vijayapur

Advisory Members:
Dr. B. V. Math, Rtd Principal of Physics
Prof. S. B. P. Balakrishna, Asso Prof, Dept of Physics
Prof. P. S. K. Reddy, Asso Prof, Dept of Physics
Prof. S. V. Y. Halakatti, Asso Prof, Dept of Physics
Prof. S. S. K. Reddy, Asso Prof, Dept of Physics
Prof. M. S. Jagadevi, Asso Prof, Dept of Physics
Prof. S. B. Patil, Asso Prof, Dept of Physics
Prof. N. D. Adigunde, Asso Prof, Dept of Physics
Prof. C. S. U. Bhat, Asso Prof, Dept of Physics
Prof. A. S. Patil, Asso Prof, Dept of Chemistry
Dr. M. S. Yadav, Rtd Asso Prof, Dept of Chemistry
Smt. Smita S. Sindhu, Lecturer, Dept of Physics
Miss. Shama R. Kargondal, Lecturer, Dept of Physics
All Teaching and Non Teaching Staff

From :
The Principal,
S. B Arts and K. C. P Science College,
B. M. Patil Road, Vijayapur - 586103, Ph. (0)8352-261765, 262770
Web address: www.bldeasbcop.org
e-mail: bdeasbcop@gmail.com

Important Dates:

Registration Deadline: 16/10/2017
(DD should be submitted on the first day of the workshop i.e., on 24th October 2017)

Who Can Attend the Workshop

- Faculty from Educational Institutes
- Students and Research Scholars
- Industry Persons

Registration Fee:

Faculty Rs. 500/-
PG Student/Research Scholar Rs. 250/-
UG Student Rs. 200/-
Industry Person: Rs. 750/-

Topics to be covered

- X-Ray Diffraction (XRD), SEM, TEM
- Fourier Transform Infrared Spectroscopy (FTIR)
- UV Spectroscopy
- Electrical and Thermal Measurements
- Nuclear Detectors

Accommodation, Travel and Ground Transportation

Accommodation for out station participants will be arranged on demand at their own cost. No TA and DA will be paid for the participants. Participants will be provided high tea and lunch during the days of workshop i.e. on 24 and 25 October 2017. Participants will be provided registration kit and course material.

Resources Persons and Topics

Experts	Topic
Prof. N. Ayachit Professor and Chairman Dept of Physics, RCU, Belagavi.	Optical Spectroscopy and Raman Spectroscopy
Dr. M. S. Jogad Dept of Physics, CUK, Kadaganali, Kallburgi.	Electric and Thermal Measurement
Dr. Ragnath Acharya Head, Nuclear Analytical & Accelerator Chemistry Section, Radiochemistry Division, (BARC), Trombay, Mumbai.	Nuclear Detectors
Dr. K. M. Jadhav Department of Physics, Dr. B. R. Ambedkar University, Aurangabad	Spectral and Composition Characterization
Dr. B. G. Math Rtd Principal, S. B Arts and K. C. P Science College, Vijayapur.	Electronic Measurements

Organizing Committee

Shri. S. S. Biradar
Asso Prof, Dept PG studies in Physics
Ph: 733561735

Smt. Soumya Sajan
Asso Prof, Dept PG studies in Physics
Ph: 895121650

Shri Jagannath S. S.
Asso Prof, Dept PG studies in Physics
Ph: 787274069

Coordinator:

Dr. G. J. M. Nihalal
Assistant Prof, Dept of Physics (PG)
24-8951340660
E-mail: drgjmombhat@gmail.com

Programme Schedule

24 October 2017	
Registration	09:30am - 10:00am
Inauguration	10:00am - 11:00am
Session I	11:30am - 01:30pm
Lunch	01:30pm - 02:30pm
Session II	02:30pm - 04:30pm

25 October 2017	
Session III	09:30am - 11:30am
Session IV	11:45am - 01:30pm
Lunch	01:30pm - 02:30pm
Session V	02:30pm - 03:30pm

Valedictory



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National Workshop

Theory and Principles of Characterization
Techniques in Physics
(Instrumentation)

24 and 25, October, 2017

Organized by:
Department of PG Studies in Physics

Seminar Hall
S. B Arts and K. C. P Science College,
Smt. Bangaramma Sajan Campus
B. M. Patil Road, Vijayapur-Ph-586103
Karnataka



*The Science of Today is the Technology of Tomorrow
By Edward Teller*

B.L.D.E Association
S. B Arts and K. C. P Science College, Vijayapur,
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Dept of PG Studies in PHYSICS

Organise
 National Workshop on
Theory and Principles of Characterization Techniques in Physics
(Instrumentation)

On 24 and 25 October 2017

Venue: Seminar Hall

Programme at a Glance

Date	Time	Topics/Sessions	Resource Persons
24/10/2017	09.30am-10.00am	Registration	
	10.00am-11.00am	Inauguration by Dr.M.S.Jogad	
	11.00am-11.20am	Tea Break	
	11.30am-01.30pm	Session-I	
	01.30pm-02.30pm	Lunch	
	02.30pm-04.30pm	Session -II	
25/10/2017	09.30am-11.30am	Session-III	
	11.30am -11.45am	Tea Break	
	11.45am -01.30pm	Session – IV	
	01.30pm-02.30pm	Lunch	
	2.30pm -3.30pm	Session –V	
	3.30pm-4.30pm	Valedictory	
	4.30pm	Vote of Thanks	



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On
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(Instrumentation)

Date: 24 and 25, October, 2017

Organised by
Department of PG Studies in PHYSICS

Valedictory Programme

Date: 25, October, 2017

Time: 04:30 pm
Venue: Seminar Hall

PRESIDENT

Dr. K. G. Pujari

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

CHIEF GUEST

Dr. L. R. Naik

Registrar,
Akkamahadevi University,
Vijayapur.

Dr. Girija. M. Nimbale
Co-Ordinator,
Dept of Physics(PG).

Prof. S. B. Pattadakal
Head of the Department,
Dept of Physics.



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Date: 24 and 25, October, 2017

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Department of PG Studies in PHYSICS

Inauguration Programme

Date: 24, October, 2017

Time: 10:00 am
Venue: Seminar Hall

PRESIDENT
Dr. Raghavendra. Kulkarni.
Administrator,
BLDE Association,
Vijayapur.



CHIEF GUEST
Prof. N. H. Ayachit
Chairman, Department of Physics,
Rani Channamma University,
Belagavi.



INAUGURATOR
Prof. M. S. Jogad
Central University of Karnataka,
Kadaganchi,
Kalaburgi.

GUEST OF HONOUR
Dr. K. G. Pujari
Principal,
S. B. Arts and K. C. P. Science College,
Vijayapur.

Dr. Girija. M. Nimbale
Co-Ordinator,
Dept of Physics(PG).

Prof. S. B. Pattadakal
Head of the Department,
Dept of Physics



Two day workshop guests welcoming by Staff

Inaugural Function



Prayer Song by Student

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

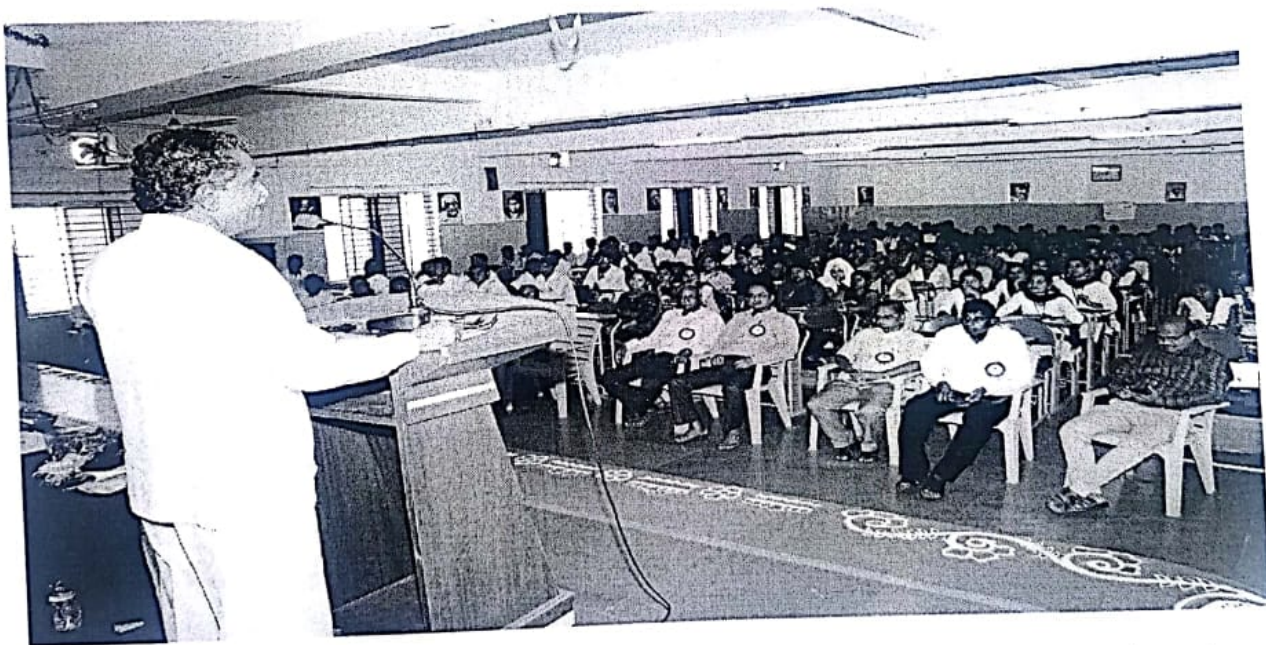
MD
 IQAC, Co-ordinator
 S.B. Arts & K.C.P. Science College,
 Vijayapur.

Las
 S.B. Arts & K.C.P. Sc. College
 Bijapur.

Technical Sessions



Lecture by Dr.Ragunath Acharya, Head, Nuclear Analytical and Accelerator Chemistry Section, Radiochemistry Division, BARC,Tromby,Mumbai. On Nuclear Detectors



Dr.M.S.Jogad,Dept of physics, CUK, Kadagachi, Kalburgi on Electric and Thermal Measurement

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

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

Las
Co-ordinator
S.B. Arts & K.C.P. Sc. College
Bijapur.

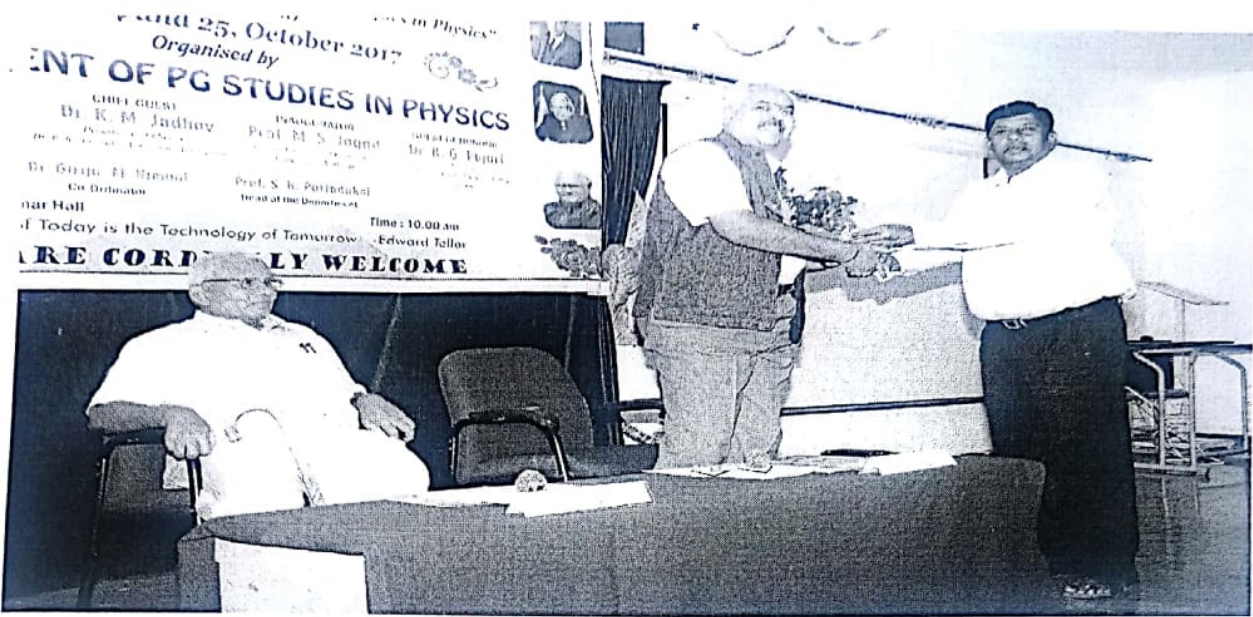


Inaugural Speech by Dr.M.S.Jogad, Central Univesity of Karnataka , Kadaganchi, Kalaburgi

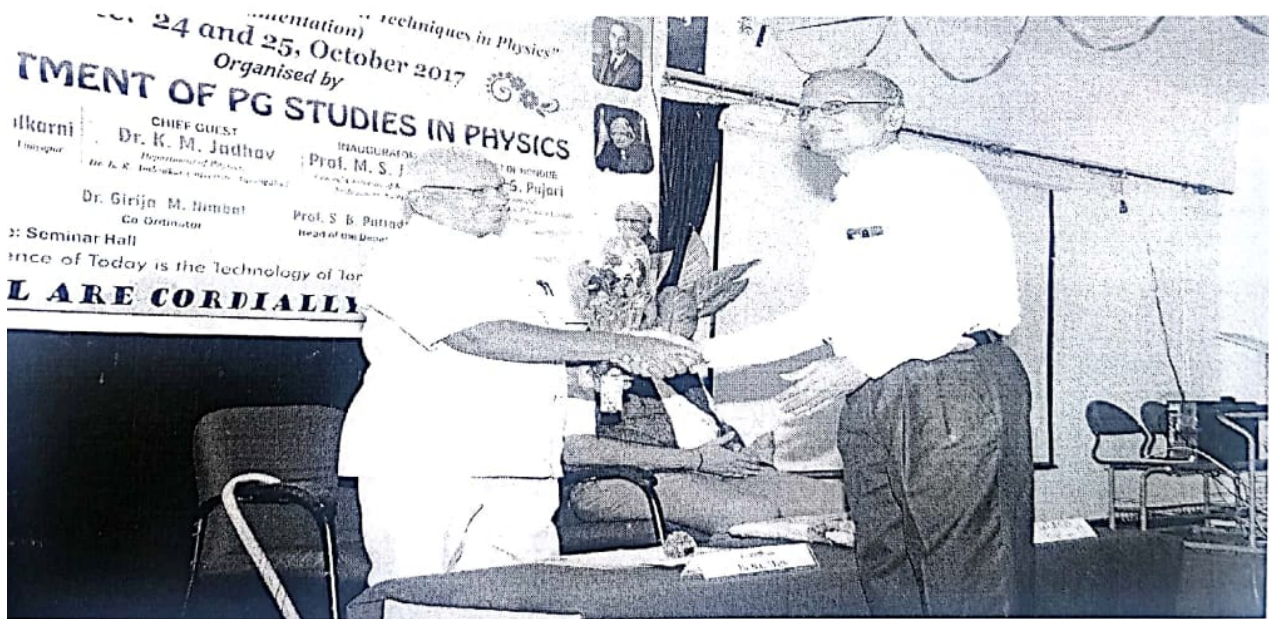


Gathering at Inaugural Function

Valedictory Function



Garlanding by Prof. N. D. Adigonde to Dr. L. R. Naik



Garlanding by Prof. S. Y. Achakanalli to Dr. B. G. Math

Signature

Co-ordinator

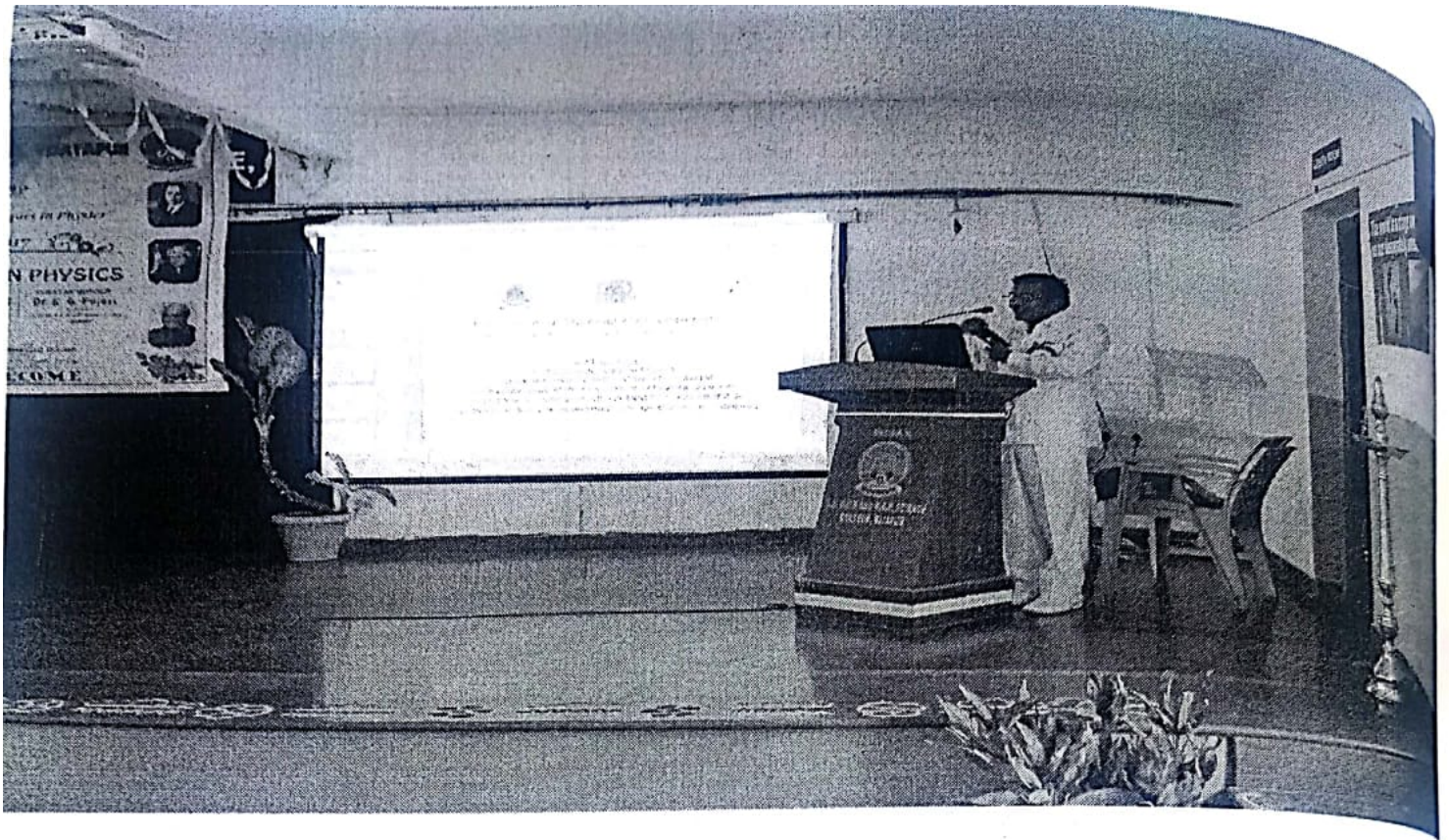
Department of PG Studies in Physics
S.B. Arts and Science College
Vijayapur

Signature

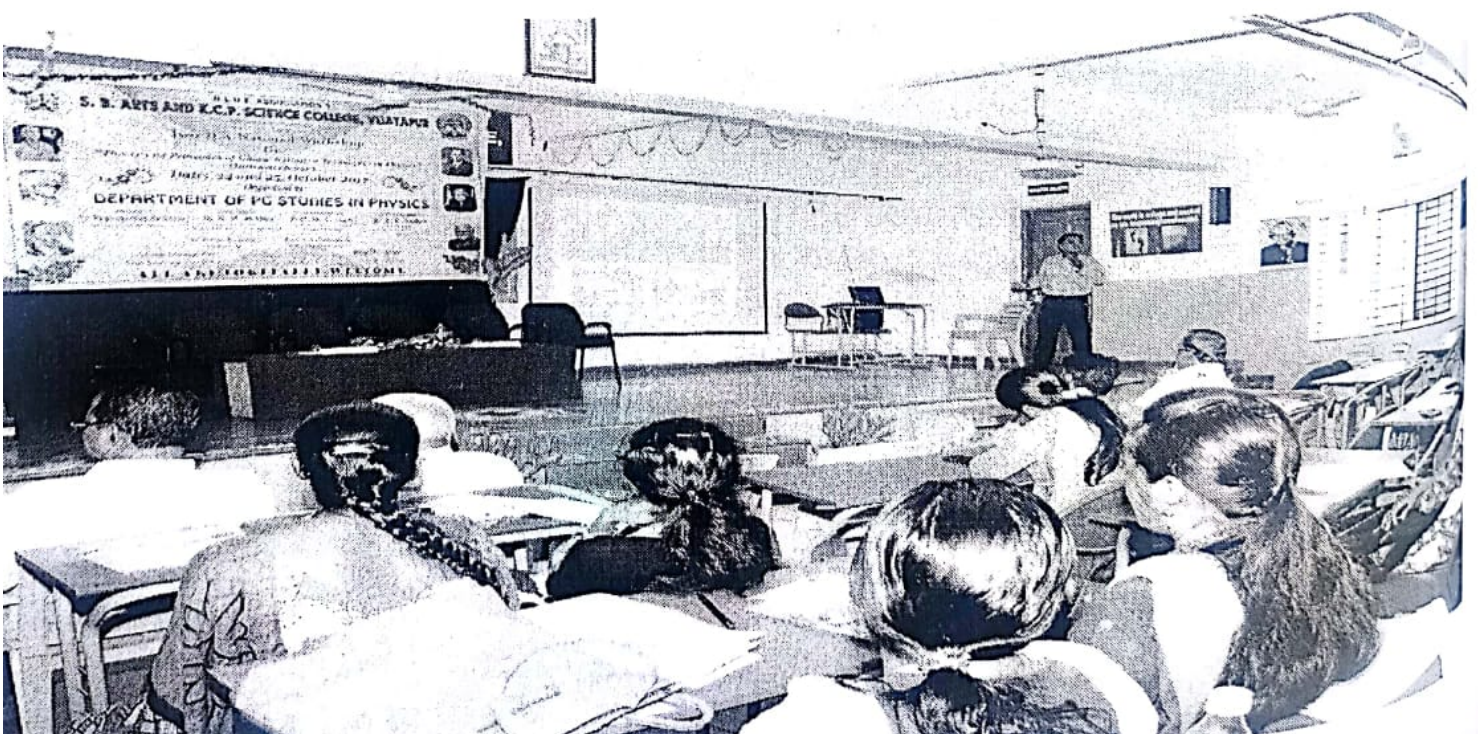
Co-ordinator
S.B.Arts & K.C.P.Science College,
Vijayapur.

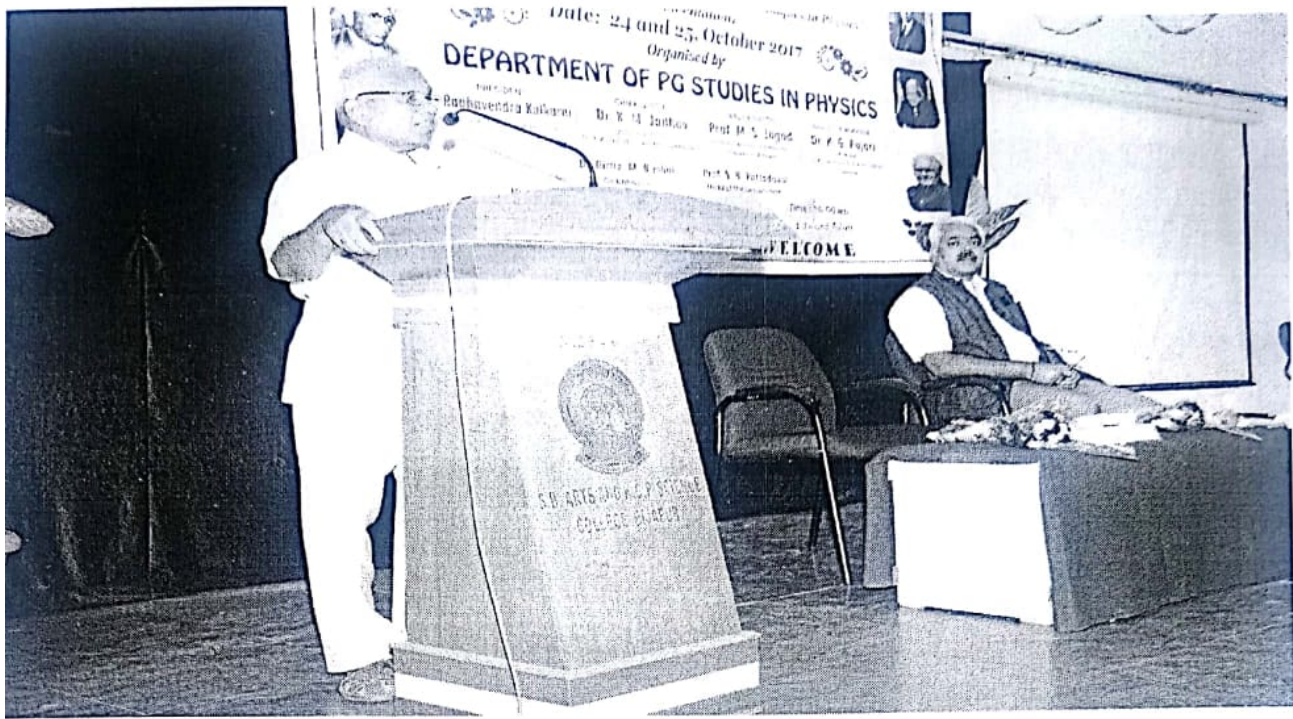
Signature

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



Lecture by Prof.M.S.Jogad on Electrical And Optical Measurements





Presidential Remarks by Dr. B. G. Math, Rtd Principal, S. B. Arts and K. C. P. Science College, Vijayapur.

National Anthem



Bhargava

Co-ordinator

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

[Signature]

IQAC, Co-ordinator

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

[Signature]

Principal,

S.B, Arts & K.C.P. So. College
Bijapur.

Vijaypur

Name	Address of college	Staff/Student/UG/PGT	E mail
B. B. Math	S.B Arts and K.C.P Science college, Vijaypur	Staff	b.math526
Konaddi	S.B Arts and K.C.P science college Vijaypur	Asso. Prof.	pradeeps
Pattadakal	S.B Arts and K.C.P science college Vijaypur	Asso. Prof.	pattadak
Yadagiri	"	Asso. Prof.	Mallikarjun yad
Koni	"	Asso Prof.	Karishavan
Chakanalli	"	Asso Prof.	Shrishaik. a
Adigounde	"	Asso Prof.	
Chougute	"	Asso Prof.	cnchougut
Sindageri	"	Asst Prof.	
Nadaf	"	Asst Prof.	shanaaz.
Kanganal	"	Asst Prof.	
M. Nimbai	"	Asst Prof.	
Binadah	"	Asst Prof	
Sujan	"	Asst Prof	sourmyasajan

Name	Address of college	Staff / UG / PG / students
------	--------------------	----------------------------

Dr. S. N. Vaidave
P. K. J.

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

Asst. Prof,
Asso Prof,
Asso. Prof.

Devi

Co-ordinator
of PG Studies in Physics
KCP Science College,
VIJAYAPUR

[Signature]

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

[Signature]

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

Sr	E-mail id	Contact no.	Registration fee
	bmath52@yahoo.com	9448947339	500/-
	pradeep skoradi@gmail.com	9681982362	500/-
	pattadakalsb@gmail.com	9449137547	500/-
	Mallikarjun yadgiri@gmail.com	9449190513	500/-
	korishavan1458@gmail.com	9480263272	500/-
	Shrishail. achabani@gmail.com 9449932025		500/-
	cnchongule 5692@gmail.com	9481082041	500/-
	sharnaaz.nadaf@gmail.com	7899456443	
	soumyasajan71013@gmail.com	8951121050	

Email id

Contact no. Registration fee

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ashokpatil1963@gmail.com 8762344252 500/-

Dr. J. S. Patil

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.

Las

Principal,
S.B. Arts & K.C.P. Se. Colle
Bijapur.

Name	Address of college	Staff / Students UG/PG	E-mail
	S.B. Arts and K.C.P science college, B.M Patil road, Vijaypur	PG	
	"	PG	
	"	P.G	
	"	PG	tchaitras
Amal Inamdar	"	PG	Lumrainam
Radiger	"	PG	
		PG	
Ukummal	"	PG	Jyotikumar
Pratima		PG	Lata

Name	Address of college	Staff / Student PG / UG	
Shri. Ashree Hemakal	S.B. Arts and K.C.P Science college, B.M. Patil road, Vijaypur	PG	hu
Ammadha S. Janga	"	PG	Ja
"	"	PG	
Shri. Anurati Mohatagi	"	PG	
Shri. Anuranga A. Savalgi	S.B. Arts and K.C.P Science college B.M. Patil road, vijayapur	PG	
Shri. Anurag Naik	S.B. Arts and K.C.P Science college B.M. Patil road vijayapur	PG	
Shri. Anurag Kudach	"	PG	

Email id	Contact No.	Registration fee	Signature
vinod8182@gmail.com	8150908182	250	

250/-

250/-

250/-

8277183958 250/-



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

250/-



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