

R V ROAD, BASAVANAGUDI, BANGALORE – 560 004 (ACCREDITED BY NAAC WITH 'B'GRADE & RECOGNIZED BY UGC AS CPE)

EMAIL ID : principal@vijayacollege.ac.in

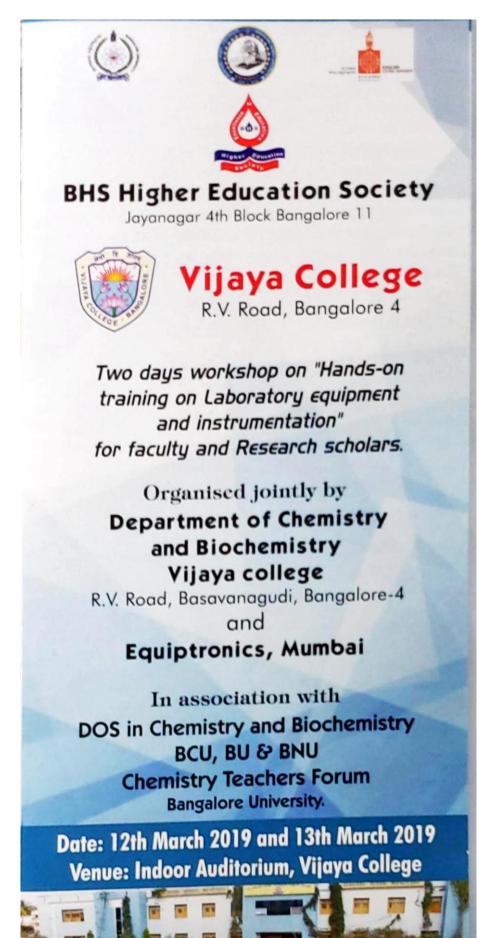
# **Chemistry workshop**

BHS Higher Education Society Joyanagar 4th Block Bangalare 11 Vijaya College R.V. Road, Bangalare - 4
Two days workshop on "Hands-on training on Laboratory equipment and instrumentation" for faculty and Research scholars.
Organised jointly by Department of Chemistry and Biochemistry Vijaya college R.V. Road, Basavanagudi, Bangalore-4 and Equiptronics, Mumbai
In association with DOS in Chemistry and Biochemistry BCU, BU & BNU, Chemistry Teachers Forum Bangalore University.
12 <sup>th</sup> & 13 <sup>th</sup> March 2019
To,
From Dept. of Chemistry and Biochemistry Vijaya College, R.V. Road



Ph:080-26933221

R V ROAD, BASAVANAGUDI, BANGALORE – 560 004 (ACCREDITED BY NAAC WITH 'B'GRADE & RECOGNIZED BY UGC AS CPE)





R V ROAD, BASAVANAGUDI, BANGALORE – 560 004 (ACCREDITED BY NAAC WITH 'B'GRADE & RECOGNIZED BY UGC AS CPE)

About the Callege Vijaya College was established in 1945 by BHS Higher Education Society situated in Basavanagudi. It is a well Education Society situated in Basavanagudi. It is a well was a social social social social social social social social known landmark in South Bangalore. Known for its social social social social social social social social social green nature & traditional culture, Vijaya College is an agreen nature and postgraduate institute for Science undergraduate and postgraduate institute for Science undergraduate and postgraduate institute for Science	9,30am to 10.30am 10.30am to 11.45am Chief guest	Registration Inauguration Dr M. Pandurangappa Chairman Department of	near g miting Error relativ	Unit-I 13 hr	nemistry First Semester Bioch	nit
and Commerce, noncentration of 70 years of its purposefull		Studies in Chemistry Bengaluru Central University	Electr	1	y - 2 13-3-2019 Session 1 0,30am to 11.45am ce on application of instrument	- N d v on s . G
existence. Vijaya College is growing non anongni to strength and is one of the best learning centres in Karnataka. College is accreditated by NAAC in 2017 with	Keynote Address	A Novel Non Glass pH Sensor	ctrum	Co	iffee / Tea Break 1.45 to 12.00 noon Session 2	hrc hs mi
B <sup>+</sup> grade and has CPE status.	President	<b>Dr. Ananth .K Atre</b> Dean. Vijaya College	s on n nd's r	Hands on experience	2.00pm to 1.30pm ce on application of instruments	rec
About Equiptronics With 38 years of experience in designing , innovation,		Joint secretary	lectro		Lunch Break: 30pm to 2.00pm	
expertise and skill the highly experienced identified	In the Presence of	BHSHES Prof. H. S. Balakrishna	Stor Session 3 onu 02.00pm to 3.00pm tion Group Discussion			
equiptronics has been reliable and cost effective development and supply of reliable and cost effective digital instruments for analytical chemistry. The	In the Presence of	Principal, Vijaya	tion	3.00 to 4:30 p.m	Valedictory function	
digital instruments to busy has agreed to give support to the workshop and the company is deputing their expert team to show and share their rich experience in the workshop.		College, R.V. Road Mr M. Badshah Chief advisor to CEO	n unit lality, nl),m %v/v)	Chief guest	<b>Dr V. R. Devaraj</b> Chairman, DOS Biochemistry Bengaluru Central University	ii ai le
Lbout the Workshop The workshop will focus on design and use of	Chairman	Equiptronics Mumbai Prof. L. Jayakumar	ial sa	President	Dr R. V. Prabhakara Joint Secretary, BHSHES	cir ity reit
instruments along with frequently encountered instruments along with frequently encountered problems while using the instruments. The faculty and Research Scholars will be trained in operation, calibration and safe handling of the instruments.		H.O.D. Department of Chemistry & Bio Chemistry		In the presence of	<b>Prof H. S. Balakrishna</b> Principal, Vijaya College, R.V. Road Bangalore	of s of p y ar
The following instruments will be used for workshop		e / Tea Break	onic	OOD FACIL	ITY IS AVAILABLE	
purpose.		to 12.00 noon	tice e	Organa: Chairman	zing Committe Members	
H meter Notice Conductivity motor		lession 1 Ipm to 1.30pm	com	Prof. L. Jayakumar	Prof. Kathyayini .S	ond f
Digital Conductivity meter	Video presentation on i	instrumentation, maintenance	Conc	Convenor	Prof. Sarvamangala .M	ofio
Digital Potentiometer		M. Badshah, Chief advisor to otronics, Mumbai.	on of hane	Dr. Mahesh Arvind Organizing Secretary	Prof. Jayashree .P	I, cov
Digital Colorimeter JV - Visible Digital Spectrophotometer			nane	Prof. Srikanta .A .S	Prof. Lokesh .Y .C	sp 2
Digital TDS meter.		ch Break: m to 2.00pm		Treasurer	Prof. Jyothi .R. Kumar	iexac
Digital Polarimeter		1		Prof. R. Radhika	Prof. M. S. Ravindranath	
Digital Photo Flourimeter	Session -2 2.00pm to 3.30pm	Session -3 3.30pm to 5.00pm			e welcome	
Agina r noio r noti meter		on application of instruments	1	Contact : 984441	1794 / 9481481545	



VIJAYA COLLEGE R V ROAD, BASAVANAGUDI, BANGALORE - 560 004 (ACCREDITED BY NAAC WITH 'B'GRADE & RECOGNIZED BY UGC AS CPE)

BHS HIGHER EDUCATION SOCIETY

EMAIL ID : principal@vijayacollege.ac.in

# **BHS Higher Education Society**

Jayanagar 4th Block Bangalore 11

# Vijaya college RV Road Bangalore 4

# Two days workshop on'hands on training on Laboratory equipment and instrumentation for faculty and Research scholars.

Organised jointly by

**Department of chemistry and biochemistry Vijaya college** RV road Basavanagudi Bangalore 4

and

Equiptronics Mumbai

In Association with

DOSin Chemistry and Biochemistry BCU, BNU, BU.BANGALORE Chemistry teachers forum Bangalore University.

**Date**: 12 March 2019 and 13 March 2019 **Venue**: indoor Auditorium Vijaya college.

#### About the college

Vijaya college was established in 1945 by BHS Higher Education Society situated in Basavanagudi is a well known landmark in South Bangalore. Known for its green nature and traditional culture. Vijaya college is an undergraduate and postgraduate institution for Science and Commerce, nurturing the needs of student community over a period of 70 years of its purposefull existence Vijaya college is growing from length to strength and is one of the best learning centres in Karnataka. College is accredited by NAAC in 2017 with B + grade and has CPE status.

#### **About Equiptronics**

With 38 years of experience in designing , innovation, expertise and skill embedded the highly experienced team of equiptronics has been working for the design development and supply of reliable and cost effective digital instruments for analytical chemistry. The management of company has agreed to give support to the workshop and the company deputes their expert team to show and share their rich experience in the workshop.



R V ROAD, BASAVANAGUDI, BANGALORE – 560 004 (ACCREDITED BY NAAC WITH 'B'GRADE & RECOGNIZED BY UGC AS CPE)

EMAIL ID : principal@vijayacollege.ac.in

#### About the workshop

The Workshop will focus on design and use of instruments along with frequently encountered problems while using the instruments. The faculty and Research Scholars will be trained in operation, calibration and safe handling of the instruments. The following instruments will be used for workshop purpose. *pH metre Digital conductivity meter Digital potentiometer Digital colorimeter UV visible digital spectrophotometer Digital TDS meter.* 

#### Day-1 . 12.3.2019

9.30am to 10.30am	Inauguration
Chief guest	Dr Pandurangappa Chairman DOS chemistry Bengaluru Central University
Keynote address	A novel non glass pH sensors
President	Dr Ananth K Atre Dean Vijaya college Joint secretary BHSHES
In presence of	Prof H S Balakrishna principal Vijaya College R V Road Bangalore
	Mr M Badshah Chief advisor to CEO Eqipteonix Mumbai
11.30 to 12.00 noon	Tea break
12.00pm to 1.30pm	Session 1
Video presentation o	n instrumentation, maintenance and application.
1.30pm to 2.00pm	Lunch break
2.00pm to 3.30pm	Session 2



R V ROAD, BASAVANAGUDI, BANGALORE – 560 004 (ACCREDITED BY NAAC WITH 'B'GRADE & RECOGNIZED BY UGC AS CPE)

EMAIL ID : principal@vijayacollege.ac.in

#### Hands on experience on application of instruments

3.30pm to 5.00pm	Session 3

Hands on experience on application of instruments

Day-2	13.2.2019
Ses	ssion 1

Hands on experience on application of instruments

12:00 p.m. to 1:30 p.m Session 2

Hands on experience on application of instruments

1:30 p.m. to 2:00 p.m	Lunch break
1.00 p.m. to 2.00 p.m	Editori biour

2:00 p.m. to 3:00 p.m Session 3

#### **Group discussion**

10:30 a.m. to 11:45 a.m

3.00 to 4:30 p.m Valedictory function

Chief guestDr V R Devarajchairman DOS biochemistryBengaluru Central University

President Dr RV Prabhakara Joint secretary BHSHES

#### In presence of Prof HS Balakrishna Principal Vijaya college RV Road Bangalore

OOD Facility is available Contact numbers Prof L Jayakumar : 9844411794 Prof S A Srikanta : 9481481545

### YOU ARE INVITED



Ph: 080 - 26933221

## BHS HIGHER EDUCATION SOCIETY VIJAYA COLLEGE

R V ROAD, BASAVANAGUDI, BANGALORE – 560 004 (ACCREDITED BY NAAC WITH 'B'GRADE & RECOGNIZED BY UGC AS CPE)

SI.No	College	Faculty Name	Mob.No E.Mail. I D
1	NMICEN College	Dr. G. S. Saresh	9448235894 Sureshsemire Gahorain
2.	Dhe National College, Jaya- nugar, Bilac	H-B. Mallesh.	9591536908 hbmalesh@gmai .com
3.	K.R. Puram GIFGIC.	Hemadri Reddy	9844593326
4.	Cyotthia	Good Shepherd college	9741362692
\$.	MES	Samehiya Rizwaka.	9880642429
6.	Chennapalña GIFGIC.	Bindu.	8951643453.
7.	Vijaya College, Jayanagar	L. K. Srivalia.	9448670337 IKETWAtsa D yahoo. co. rn



Ph: 080 - 26933221

# BHS HIGHER EDUCATION SOCIETY **VIJAYA COLLEGE**

R V ROAD, BASAVANAGUDI, BANGALORE – 560 004 (ACCREDITED BY NAAC WITH 'B'GRADE & RECOGNIZED BY UGC AS CPE)

	VIIAVA COLLE	EGE, RV Road, Bangalore-04	
	VIJATA COLLE		
		on laboratory equipments and instrumentatio	n 2018-19
W	orkshop on Hands on training	Features	Model No
I.No	Name of equipment	Dual beam with auto scanning and micro processor	EQ-825A
1	UV -Vis scanning spectrophotometer	$\lambda$ -max, k-factor can be determined	
		plot of concentration graph can be plotted	
		Information can be recalled when necessary	
-	Plant Badavatas	2 excitation wavelength(UV)& 3 Emission(Vis)	EQ-870
2	Photoflorimeter	filters with 0.1ppm sensitivity	
2	Digital Conductivitymeter	Inbuilt magnetic stirrer & standard conductivity	EQ-664A
3	Digital conductivitymeter	for conductometric titrations	
4	Micro controller based colorimeter with	One button press micro controller based	EQ -652
4	inbuilt filters	colorimeter with square cuvettes	
-		Feather touch switches	
		8 filters	
		Inbuilt test tube stand	
5	Digital flame photometer	Dual channel, separate filters, low ppm detection,	EQ-855A
5	Digital name protometer	low sample volume with LPG use	
		Analysis of Na, K, Ca & Li of soil, in agriculture and pathology	
		mining, metallurgy, pollution control, ceramic & glass industry	
		Mixes gases uniformly	
		Small quantity of sample	
6	Digital Beckman thermometer	Unbreakable bulb	
		Non corrosive teflon temperature probe with shielded teflon	EQ-550

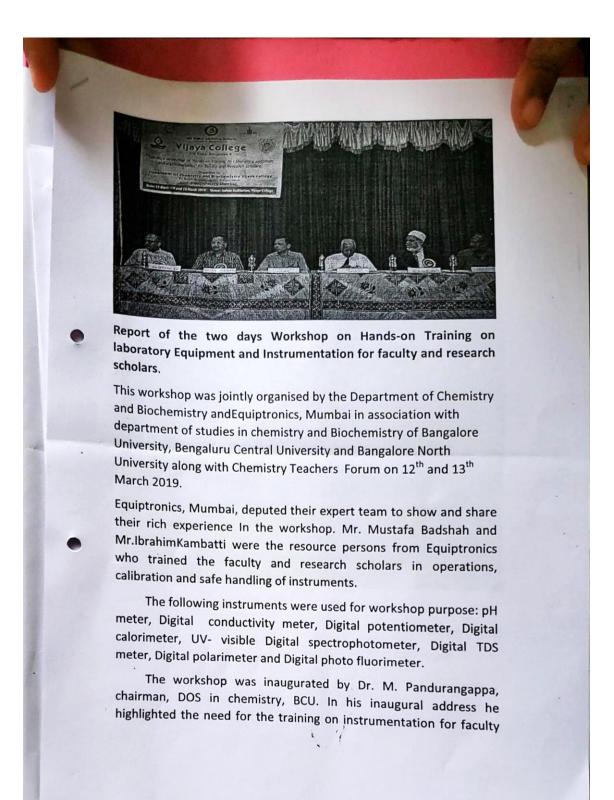
		wire		
		Freezing point can be determined		
7	Digital pHmeter	inbuilt magnetic stirrer		EQ-614A
	-	Electronic buffer	1199163	
		PVC electrode		
8	Digital TDS meter	For water analysis		EQ-680
9	Digital potentiometer	0-1000 storage, PC compatibility battery back up		EQ-607
		Reading can be stored and recalled		
		Can be used without PC		
10	Digital turbidity meter (Nephlometer)	200/2000NTU		EQ-811
		For field work, soil testing, water industry ,resea	rch	
		& pharma		
11	2 in 1 Combo model	pH +potentiometer for simultaneous measurements		EQ-636
12	Digital boiling/melting point apparatus	Microprocessor, 0.1		
		temperature readily freezes on touch of a butto	n.	
13	Digital flame photometer	Single channel		EQ-850A
-		Separate filters		
		Low ppm detection		
		low sample volume with LPG use		
		LPG use		

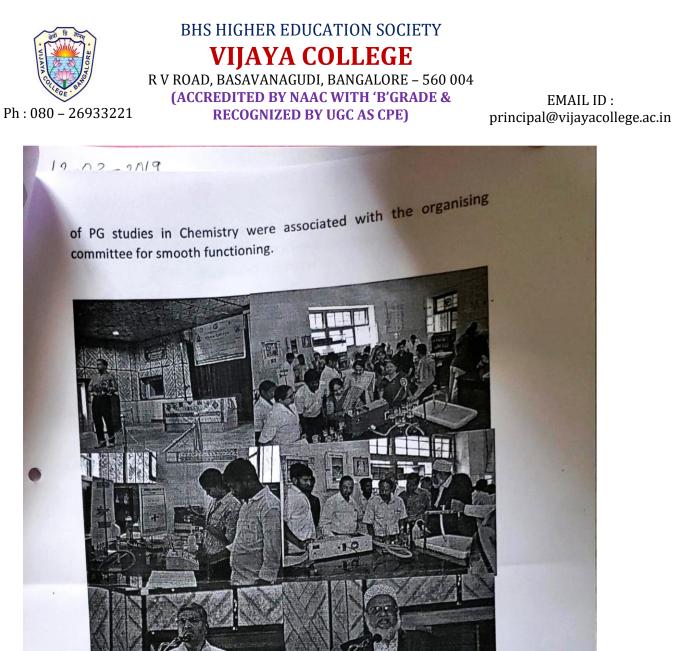


Ph: 080 - 26933221

## BHS HIGHER EDUCATION SOCIETY VIJAYA COLLEGE

R V ROAD, BASAVANAGUDI, BANGALORE – 560 004 (ACCREDITED BY NAAC WITH 'B'GRADE & RECOGNIZED BY UGC AS CPE)





ක්ෂಯ පෘಲ්කෝ

Dr. Mahesh Arvind Convener

බසරා පෘළුසෙ

EMAIL ID :



Ph: 080 - 26933221

R V ROAD, BASAVANAGUDI, BANGALORE – 560 004 (ACCREDITED BY NAAC WITH 'B'GRADE & RECOGNIZED BY UGC AS CPE)

EMAIL ID : principal@vijayacollege.ac.in

and research scholars. The inaugural function was presided by Dr. A.K Atre, Dean of Vijaya college and Joint Secretary, BHSHES. Prof. H.S Balakrishna, Principal, graced the occasion.

Technical sessions of the workshop started with the key-note address by Dr. M. Pandurangappa, Chairman, DOS in Chemistry, BCU. His talk was on 'A Novel Non- glass pH Sensor', concentrating on how pH is a critical parameter in wide domains; industries and laboratories. He discussed his patented work on pH sensor electrode for spot analysis.

This was followed by video presentation on instrumentation, maintenance and applications by Mr. M. Badshah. He described the use of various instruments and their maintenance along with good laboratory practices.

Hands on training of equipments and instruments were given in the three laboratories of Chemistry department, on both the days. The workshop focused on designing and use of instruments along with frequently encountered problems and troubleshooters for the same.

For the valedictory function Prof. V.R Devaraj, Chairman, DOS in Biochemistry, BCU was the Chief Guest and it was presided by Dr. R.V.Prabhakara, Joint Secretary, BHSHES, in the presence of the college Principal, Prof. H.S Balakrishna.

50 faculties from various institutions and 50 students attended the workshop. 50 student volunteers both from UG and PG took active participation on both the days.

The organising committee for the workshop comprised Prof. L. Jayakumar, HOD as Chairman, Dr. Mahesh Arvind as Convenor, Prof. S.A Srikanta as Organising Secretary, Prof. R. Radhika as Treasurer; Prof. Kathyayini. S,Prof. Sarvamangala . M , Prof. Jayashree P, Prof. Lokesh Y.C, Prof. Jyothi R Kumar and Prof. M.S Ravindranath as Members. Dr.Basavarajaiah, Dr.Netravathy, Dr.UmeshandDr.Kavitha