

Central Instrumentation Cell (CIC):

Central Instrumentation Cell (CIC) of the College was established through the funding received from Department of Science and Technology (DST) Government of India, under the scheme DST- FIST during 2016-2017. The facility created included major analytical equipment's like X-ray diffractometer, Double Beam UV- Vis Spectrophotometers, Polarimeters, HPLC, Cooling Centrifuge, PCR, Gel Documentation system, LED Fluorimeter, Water analysis kit, Antenna, etc. The facility is open and available for all the faculty members, researchers of home institution, sister institutions and other institution on consultancy basis.

Advisory Committee of CIC:

Name	Designation	Position	Contact Numbers
Dr. A. L. Kulat	Principal, Shri Shivaji College of Arts, Commerce and Science, Akola	Chairman	+91-9960299340
Dr. A. S. Pethe	Prof. & Head, Department of Microbiology	Member	+91-9923959041
Dr. P. S. Kokate	Prof. & Head, Department of Botany	Member	+91-9890647054
Dr. P. P. Ade	Prof. & Head, Department of Zoology	Member	+91-9850640389
Dr. K. N. Puri	Prof. & Head, Department of Chemistry	Member	+ 91-7038043059
Mr. R. V. Salodkar	Asso. Prof. & Head, Department of Physics	Member	+91 -9423127228
Dr. V. M. Patil	Prof. & Head, Department of Computer Science	Member	+91-9403415539
Dr. A. S. Raut	Coordinator- IQAC	Member	+91-9822731118
Dr. D. K. Koche	Professor, Department of Botany	Member-Coordinator	+91-8983027268

Working Committee of CIC:

Name	Designation	Position	Contact Numbers
Dr. A. L. Kulat	Principal, Shri Shivaji College of Arts, Commerce and Science, Akola	Chairman	+91-9960299340
Dr. D. K. Koche	Professor, Department	Member-	+91-8983027268

	of Botany	Coordinator	
Dr. S. M. Palhade	Associate Prof. Department of Physics	Member	+91-9890533595
Dr. H. P. Sapkal	Associate Prof. Department of Zoology	Member	+91-9960111271
Dr. D. S. Deshmukh	Assistant Prof. Dept. of Chemistry		+91-8275418969
Mr.N.A. Deshmukh	Assistant Prof. Dept. of Chemistry	Technical Incharge	+91-7620669082
Mr. S. A. Rathod	Assistant Prof. Dept. of Botany		+91-8830820778

Central Instrumentation Cell – Major Available Instrumentation:

Central Instrumentation Cell (CIC) of Shri Shivaji College of Arts, Commerce and Science, was created from the funds received from Department of Science and Technology (DST) Government of India under the scheme of DST- FIST (Funds for Improvement of S & T Infrastructure in Universities and Institutes). The basic objective behind the CIC establishment is to cater the researchers from different science departments of the college and also from other nearby institutes and colleges. The CIC has instruments for various analytical measurements, spectroscopic and chromatographic analysis, sample characterization and photographic analysis. It also includes Antena used for radiation pattern measurement, input parameter measurement and study of different microchips, wire & horn antenas.

Sr. No.	Name of Instrument	Specifications/ Model	Make
1	Table Top XRD (X- Ray Diffractometer)	Miniflex- 000	RIGAKU, Japan
2	HPLC (High Performance Liquid Chromatography)	UFLC SPD- 20 A (Prominence UV Detector); LC – 20AD (Prominence Liquid Chromatography)	Shimadzu, Japan

3	FTIR- Spectrophotometer	IR- Affinity-1	Shimadzu, Japan
4	UV- Visible Spectrophotometer	Double beam,	Equiptronics, India
5	Gel Documentation system	Model- Endure	BioEra, India
6	PCR	Portable Thermal Cyclers, with digital display; Model Adept	BioEra, India
7	Cooling Centrifuge	Upto 20,000 RPM with thermal controller.	Remi, India
8	Antena	Antena motorized automatic measurement system	Akademika make
9	Trinocular Sterio-zoom Microscope with Digital camera	Primostar, HAL	Carl- Zeiss, Germany
10	Digital Balance	CAI Series	Contech, India
11.	Digital Melting Point apparatus	With digital pH electrode input	HANNA, India
12	Multi- parameter Photometer	With Pulse photomultiplier	Quantalase Make
13	LED- Flourimeter	Up to 3000 °C	--
14	Muffle Furnase	With digital pH electrode input	HANNA, India
15	Deep Freezer	RQV-200 Plus	Remi, India
16	Water Analysis Kit	Portable, multiparameter	Hanna, India

Consultancy Rate Chart:

S. N.	Facility	Measurement	Charges			
			For College	For Sister College	For Other College	For Industries
1	Table Top XRD (X-Ray Diffractometer)	Per sample	00	300	300	1500
2	HPLC (High Performance Liquid Chromatography)	Per sample	00	150	300	400

3	FTIR-Spectrophotometer	Per sample	00	200	400	1000
4	UV-Visible Spectrophotometer	Per sample	00	75	150	200
5	Gel Documentation system	Per snap	00	75	150	250
6	PCR	Per sample	00	100	200	300
7	Antenna	Per sample	00	400	400	2000
8	Trinocular Sterio-zoom Microscope with Digital camera	Per snap	00	50	75	100

Procedure for availing the facility:

Requisition forms for availing facility at the center is available with Coordinator of CIC, Shri Shivaji College of Arts, Commerce and Science College, Akola (MS). Kindly, sent the requisite charges of sample analysis along with the samples. The payment should be made as crossed demand draft in favor of the Principal, Shri Shivaji College of Arts, Commerce and Science, Akola (MS) 444001. Duly filled requisition form with charges have to send by post/ mail to CIC office or handed over personally to CIC.

For effective utilization of facilities, use should adopt following procedure:

1. Submit samples in airtight vials/ bags.
2. Arrange and send your samples batch-wise.
3. Be specific with respect type of measurements.
4. Mentioned clearly about the sample details
5. Complaints regarding the measurements should be brought to the notice of Coordinator- CIC.
6. Acknowledge services rendered by CIC in your publication and kindly send a copy of publication to our office.

For More Information Contact:

Coordinator, CIC,
Shri Shivaji College of Arts, Commerce and Science,
Akola 444001(MS) India
Tel- (0724) 2410438 Fax.- (0724) 2410438



Photographs of Central Instrumentation Cell (CIC)