



EKNATH SITARAM
DIVEKAR COLLEGE,
VARVAND

Tal: Daund, Dist: Pune, Pin: 412 215,
Maharashtra (India)



Department of Chemistry

ON JOB TRAINING & INSTRUMENTATION COURSE

HANDBOOK

“The meeting of two personalities is
like the contact of two chemical
substances: if there is any reaction,
both are transformed.”

— Carl Gustav Jung



About us

Varvand Gram Shikshan Sanstha, Varvand was established on 1st August, 1963 by late Shri Eknath Sitaram Divekar and Shri. Keshvarao Shitole with the help of villagers to educate and literate and spread education among rural and economically weaker sections of the society. The High Schools and Colleges were far away from the village and the students have to travel a lot for their education. Keeping in mind the issue of education, the Sanstha started its high school 'Gopinath' at the beginning of 1963. As per the need and demand of the villagers, the sanstha started its 'Higher Secondary Vidyalaya' in the year 1989-90. Slowly and steadily, the Sanstha developed into one of the major educational institutions in the village Varvand. The contribution of late Shri Eknath Sitaram Divekar and Shri. Keshavrao Shitole, the trustees of the institution along with villagers in this regard is noteworthy. Considering the need of Higher Education, in the year 1993, institution started its Arts College in the village. Later, in 1994 the Science faculty was also established. The institution recognized the need of Commerce students and made them available with the faculty in 2002-03. Later college started the Post Graduation courses in Marathi, English, History, Chemistry and Commerce. The course of Computer Science is started in the year 2012 for taking into account the modern view and the need of the students for making their career. As per need, the college has started two new courses BBA(CA) & BBA in the year 2018. About 1800 students including boys and girls are taking their higher education in the college.



WHAT'S IN A COURSE

UV-Visible Spectrophotometer

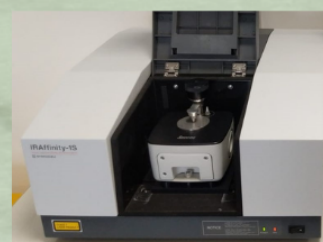
Model Number: ELICO SL 210 DOUBLE BEAM

- Powerful 1-nm resolution in a compact double-beam instrument.
- Extremely versatile with full functionality from 190 to 1100 nm.
- Control as a stand-alone unit or through a PC with UV Probe PC interface and flash-drive data transfer via USB connectivity Built
- in validation software ensures operational accuracy



Fourier Transform Infrared Spectroscopy (FTIR)

- IR Solution Both Solid and Liquid samples can be done.
- Requires less than a Minute to perform sampling.
- It includes patented technology to increase stability and precision.
- Its moving mirror is run precisely by a flexible joint system.
- Interferometer is optimized by a dynamic alignment mechanism.



High performance liquid Chromatography (HPLC)

- The Prominence UFLC System.
- Up to 10 times faster than a conventional HPLC system.
- 5- μ m particle column with UV Detector.
- High-quality analytical results. Auto-sampler with 105 samples vials.
- Specialized systems are unable to achieve good results.
- C-18 Column 30cm length and 4.6mm diameter.
- Superfast and easy to use under supervision.



Gas Chromatography (GC)

- The Prominence UFLC System.
- Up to 10 times faster than a conventional HPLC system.
- 5- μ m particle column with UV Detector.
- High-quality analytical results. Auto-sampler with 105 samples vials.
- Specialized systems are unable to achieve good results.
- C-18 Column 30cm length and 4.6mm diameter.
- Superfast and easy to use under supervision.



Atomic Absorption Spectroscopy (AAS)

Flame Photometer

Colorimeter

Geiger Muller Counter (GM Counter)

Spectrophotometer

pH Meter

Potentiometer

Conductometer

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SPPU, Pune.



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MARKANDEYA
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PROF. VASANT
CHABUKSWAR
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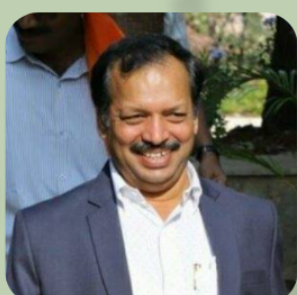
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Sujalam Chemicals

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Chemicals



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Mukta Innovation
(Chemical
Manufacturer)



MR. DHANANJAY KORTE
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SCHEDULE

Resistration-09.00 am to 10.00 am



Session I -10.00am to 01.30pm

lecture 1

lecture 2

lecture 3



Lunch Time -01.30 pm to 02.30 pm



Hands-On-Training -02.30 pm to 05.00 pm

*Thank
You*
