



The Heritage Institution
KANYA MAHA VIDYALAYA

Autonomous College affiliated to G.N.D.U., Amritsar
UGC Letter No. F. 22-1/2017(AC) Dt. 07-06-2017

☎ (O) : +91-0181-2296605
+91-0181-2296606
Pin : 144004 (Pb.) India

e-mail : kmvjalandhar@yahoo.com / kmvqac127@gmail.com

Web : www.kmvjalandhar.ac.in

* A HERITAGE INSTITUTION AND COLLEGE WITH POTENTIAL FOR EXCELLENCE – Status conferred by UGC * DDU KAUSHAL KENDRA*
* NAAC REACCREDITED "A" GRADE (CGPA) 3.56 * STAR STATUS * ANVESHKA Centre * FIST Supported * IIC 4 Star Rating*

KANYA MAHA VIDYALAYA (AUTONOMOUS), JALANDHAR
CENTRAL INSTRUMENTATION FACILITIES



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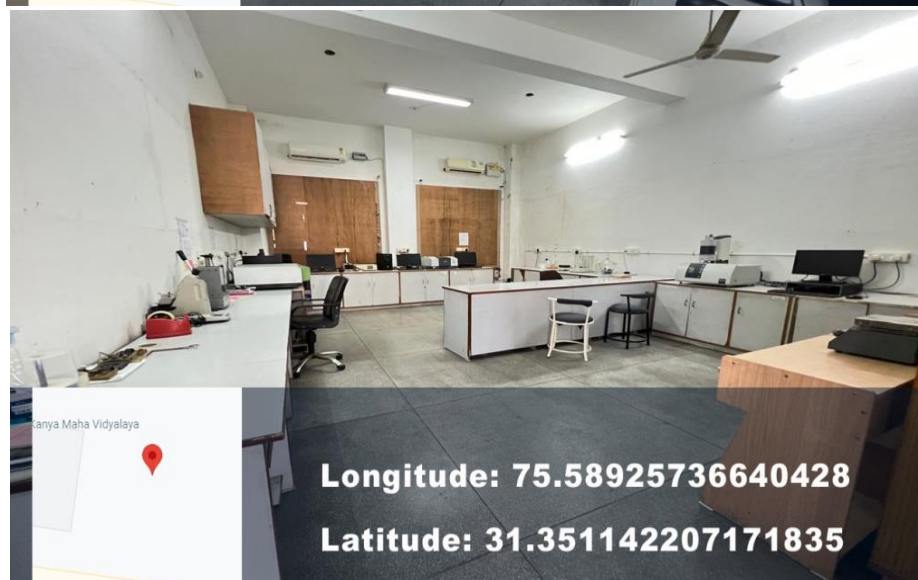
Web : www.kmvjalandhar.ac.in

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Longitude: 75.58925736640428

Latitude: 31.351142207171835



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Latitude: 31.351142207171835



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LIST OF RESEARCH EQUIPMENTS

AT1315 Gamma Beta Spectrometer with software/hardware tools:

- AT1315 Gamma Beta Radiation Spectrometer (without PC and printer) 137Cs from 2 Bq/l; 90Sr from 20 Bq/l; (without sample preparation)

Model: AT1315 Gamma Beta Spectrometer

Make: ATOMTEX SPE

Cost: Rs.15,71,782/-

Grant: FIST





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Photoluminescence Spectrophotometer:

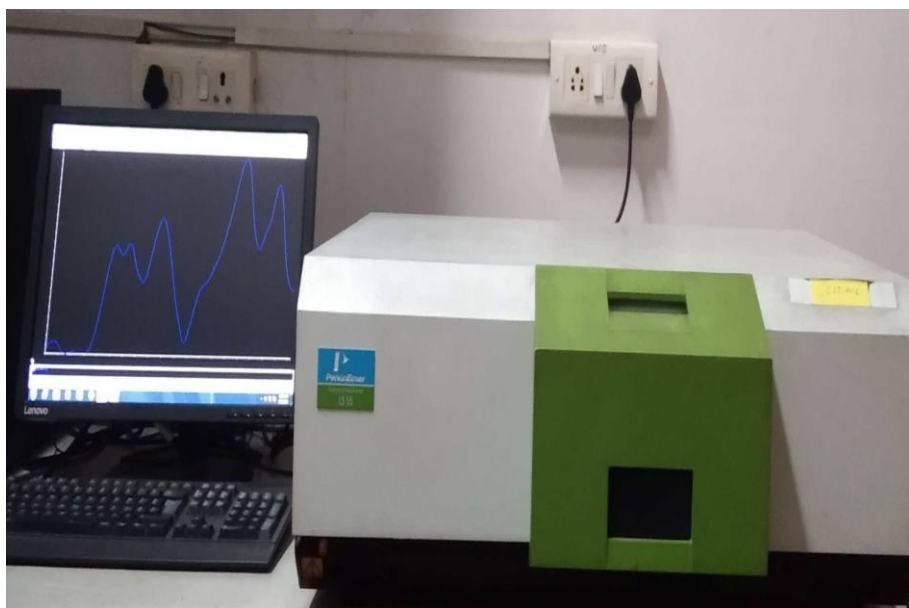
- It is used to study emission spectra of different kinds of materials.

Model: LS-55

Make: Perkin Elmer

Cost: Rs.12,350,00/-

Grant: SERB





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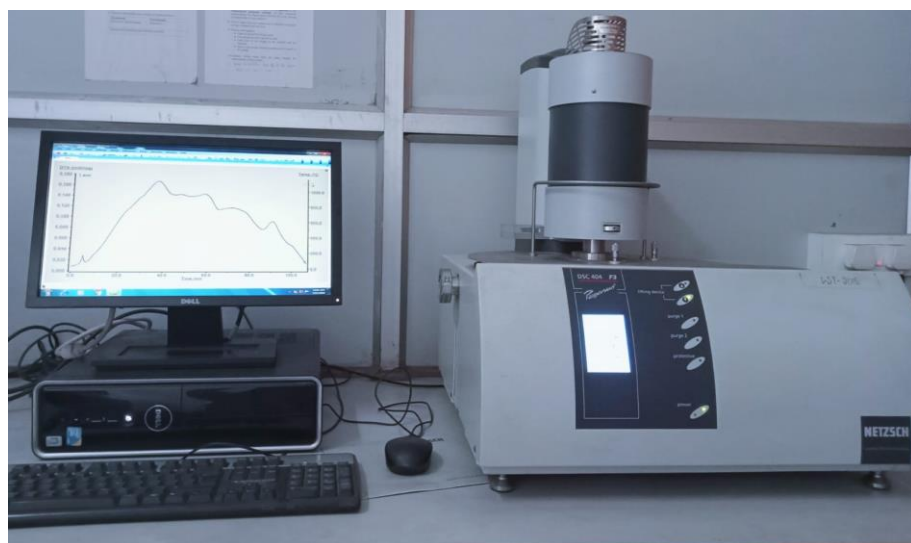
Differential Thermal Analyser (DTA):

Model: DSC 404 F3

Make: NETZSCH

Cost: Rs.18,47,445/-

Grant: SERB





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UV VIS Spectrophotometer:

Model: UV 2600

Make: Shimadzu (Asia Pacific Pvt. Ltd.)

Cost: Rs. 9,00,000/-

Grant: FIST





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FTIR Spectrophotometer:

- High end advanced PC based system with 32-bit window XP/7 based IR solution
- To study structural (vibrational) modification in various substances for research and projects.

Model: IR Affinity-I

Make: Shimadzu

Cost: Rs. 10,18,219/-

Grant: FIST





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3632.50 LCR Hitester:

- Provided with test fixtures 9262 and interface with RS232C Cable.
- Used for finding electronics parameters of thin films like resistance, capacitance, dielectric constant etc. (used for research purpose)

Model: (S.No. 120423838)

Make: Hioki

Cost: Rs. 4,35,728/-

Grant: FIST





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High Temperature Muffle Furnace:

- Provided with a Microprocessor based programme controller for furnace.
- Used for the preparation of glass samples

Make: Metrex

Cost: 1,95,400/-

Grant: FIST





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Rectangular Muffle Furnace:

- Provided with Microprocessor based programme controller for furnace.
- Used for the preparation of glass samples

Make: Metrex

Cost: Rs. 2,00,000\

Grant: FIST





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Automatic Bottom Loading Furnace:

Automatic Bottom Loading Furnace especially suited for melting of Glass Samples

Make: Ants Innovation Pvt. Ltd.

Cost: Rs.8,55,500/-

Grant: FIST





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Glass Lapping and Polishing Machine:

- Used for lapping and polishing the glass samples prepared for research work.

Model: SSM 300/4TT

Make: SPEEDFAM Pvt. Ltd.

Cost: Rs.4,99,435/-

Grant: CURIE





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Nanodrop Spectrophotometer:

Cost: Rs.7,02,100/-

Purchased from: Cole- Parmer India Pvt. Ltd.





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Bio-Rad Gel Documentation System:

- Image resolution ≥ 4 megapixels; and high resolution imaging for resolving closely spaced bands on a gel or blot

Purchased from : Bio Rad Laboratories(India) Pvt Ltd

Cost: Rs.7,37500/-





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Refrigerated Centrifuge:

- High Speed Benchtop 5804R, 15/50, 1.5/2 ml, Rotor F-35-6-30, incl. rotor lid and adapter 6x15 ml/50ml falcon/conical tube rotor for use with centrifuge 5430/R maximum RCF ;7197xg maximum speed;7830 rpm

Purchased from: Eppendorf India Ltd

Cost: Rs.8,55,500/-

