

MANDATORY DISCLOSURES

I. NAME OF THE INSTITUTION

College of Engineering
Shri Mata Vaishno Devi University,
Sub Post Office, Pin-182320, J&K-India
Phone 01991-285692 Fax-01991-285573

II. NAME & ADDRESS OF THE DIRECTOR

Prof. Madan Lal Garg
Dean
College of Engineering
Shri Mata Vaishno Devi University,
Sub Post Office, Pin-182320, J&K-India
Mob 09419215550
Phone 01991-285692, Fax-01991- 285573
Email: garg.ml@smvdu.ac.in

III. NAME OF THE AFFILIATING UNIVERSITY

Not Applicable

IV. GOVERNANCE

Members of the Executive Council

Sh. N.N.Vohra, His Excellency the Governor of Jammu and Kashmir, Chairman SMVDSB and Chancellor SMVDU

Prof. N. K. Bansal, Vice Chancellor, Shri Mata Vaishno Devi University

Shri R. S. Pawar, Chairman, NIIT Ltd., New Delhi

Prof. V.S.Raju, Former Director IIT Delhi, Member Invitee

Prof. Varun Sahni, Vice Chancellor, University of Jammu

Prof. Riyaz Punjabi, Vice Chancellor, University of Kashmir

Sh. B.B.Vyas, IAS, Chief Executive Officer, Shri Mata Vaishno Devi Shrine Board

Prof. R.S.Misra, Registrar & Dean, College of Humanities & Social Sciences, SMVDU

Prof. J.P.Singh, Dean, College of Management, SMVDU

Prof. M.L.Garg, Dean, College of Engineering, SMVDU

Prof. C.L.razdan, Director, School of Architecture & Landscape Design, SMVDU

Dr. V.Verma, Director, School of Biotechnology & Dean College of Sciences SMVDU

Members of the Academic Council

Prof. N. K. Bansal, Vice Chancellor, Shri Mata Vaishno Devi University, Chairman

Prof. M. Balakrishnan, IIT Delhi

Dr. G. N. Qazi, Director, RRL, Jammu

Prof. Lalit Mangotra, HOD (Retd). Post Graduate Department of Physics, University of Jammu

Prof. G. S. Sambyal, Registrar, University of Jammu

Prof. R.S.Misra, Registrar & Dean College of Humanities & Social Sciences
Prof. J.P.Singh, Dean, College of Management, SMVDU
Prof. M.L.Garg, Dean, College of Engineering, SMVDU
Prof. C.L. Razdan, Director, School of Architecture & Landscape Design
Prof. V. Verma, Director, School of Biotechnology & Dean College of Sciences, SMVDU
Mr. S.K.Puri, Director, School of Electronics & Communication, SMVDU
Dr. Supran Sharma, Director, School of Business, SMVDU
Dr. Sunil Giri, Director School of Economics, SMVDU
Dr. Vandhana Sharma, I/c Director, School of Languages, SMVDU
Mr. Rakesh Sharma, I/c Director, School of Infrastructure Technology & Resource Mgt., SMVDU
Dr. V.K.Bhat, Director, School of Applied Physics & Mathematics, SMVDU
Dr. Sudhir Kumar, I/c Director, School of Mechanical Engineering, SMVDU
Mr. Subrata Deb, Librarian, SMVDU

- Frequency of Executive Council Meetings and Academic Council body

Executive Council Meeting – *Once in a Year*

Academic Council Meeting – *Twice in a Year*

- Organizational chart and processes – *Please Refer Annexure -1*
- Nature and Extent of involvement of faculty and students in academic affairs/improvements

Students have accessibility to the faculty and they participate in the discussions concerning various academic issues like up gradation of syllabus, Incorporation of new specialization etc. Students are also empowered for Hostel & Mess management as well as extra-curricular activities etc.

- Mechanism/Norms & Procedure for democratic/good Governance: *Yes, there is Grievance Redressal Cell, Student Counseling Centre etc.*

Members of Grievance Redressal Cell

Prof. M.L.Garg, Dean College of Engineering, Chairman
Prof. R.S.Misra, Dean College of Humanities & Social Sciences, Registrar,
Sh. D.K.Kohli, Deputy Finance officer

Members of Students Counseling Centre

Prof. R.K.Abrol, Dean Faculty, Chairman
Dr. S.K.Wanchoo, Assistant Professor, School of Applied Physics & Mathematics
Mr. Sumeet Gupta, Assistant Professor, School of Electronics & Communication Engineering

- Student Feedback on Institutional Governance/faculty performance: *Yes, please refer Annexure- 1 A*

- Grievance redressal mechanism for faculty, staff and students: *Yes, there is a Grievance Redressal Cell for all complaints related to & against students, faculty, staff & University Management.*

V. PROGRAMMES

- Name of the Programmes approved by the AICTE
B. Tech/ Computer Science & Engineering (CSE), Approved by AICTE
B. Tech/ Electronics & Communication Engineering (ECE), Approved by AICTE
B. Tech/ Mechanical Engineering (ME), Approved by AICTE
B. Tech/ Industrial Biotechnology (IBT), Approved by AICTE

- Name of the Programmes accredited by the AICTE *None*

- For each Programme the following details are to be given:

Course	No. of Seats	Duration	Cut off marks Last 3 yrs, AIEEE All India Rank		
			2006	2007	2008
CSE	60	4 years	47,894	46,575	1,12,712*
ECE	60	4 years	57571	46,680	82,372*
ME	60	4 years	1,22,319	99,367	1,47,063*
IBT	45	4 years	1,19,912	1,13,557	1,71,584*

* This slide is because of the agitational situation that prevailed in the state of J&K recently

- Tuition Fee : *Rs. 55,000/- for 2006 & 2007 Batch & Rs. 60,000/- for batches admitted from 2008 onwards*
- Placement Facilities *Yes (There is Placement Cell and Placement Officer)*
- Campus placement in last three years

Minimum salary,	<u><i>2.5 lac</i></u>
Maximum salary	<u><i>3.75 lac</i></u>
Average salary.	<u><i>3.0 lac</i></u>

- Name and duration of programme(s) having affiliation / collaboration with Foreign University(s) / Institution (s) and being run in the same Campus along with status of their AICTE approval. If there is foreign collaboration, give the following details:

None

Details of the Foreign Institution/University:

- Name of the University/Institution
- Address
- Website
- Is the Institution/University Accredited in its Home Country
- Ranking of the Institution/University in the Home Country

- Whether the degree offered is equivalent to an Indian Degree? If yes, the name of the agency which
- as approved equivalence. If no, implications for students in terms of pursuit of higher studies in India
- and abroad and job both within and outside the country.
- Nature of Collaboration
- Conditions of Collaboration
- Complete details of payment a student has to make to get the full benefit of collaboration.
- For each Collaborative/affiliated Programme give the following:
 - Programme Focus
 - Number of seats
 - Admission Procedure
 - Fee
 - Placement Facility
 - Placement Records for last three years with minimum salary, maximum salary and average salary
- Whether the Collaborative Programme is approved by AICTE? If not whether the Domestic/Foreign Institution has applied to AICTE for approval as required under notification no. 37-3/Legal/2005 dated 16th May, 2005

VI. FACULTY

Course	Permanent	Visiting	Adjunct	Guest Faculty	Permanent Faculty: Student Ratio
CSE	12 (one on adhoc basis)	01	23	-	1:16
ECE	15	02	23	-	1:10
ME	14	04	23	-	1:7
IBT	10	06	23	-	1:5
Sciences & Humanities	23	03	-	-	-

- Number of faculty employed and left during the last three years



Course	Faculty Employed	Faculty Left
Computer Science & Engineering (CSE)	13	01
Electronics & Communication Engineering (ECE)	18	03
Mechanical Engineering (ME)	19	04
Industrial Biotechnology (IBT)	14	04
Sciences & Humanities	29	06

VII. PROFILE OF DIRECTOR/PRINCIPAL WITH QUALIFICATIONS, TOTAL EXPERIENCE, AGE AND DURATION OF EMPLOYMENT AT THE INSTITUTE CONCERNED

1. Name : *Dr. Madan Lal Garg*
2. Date of Birth : *7/11/1949*
3. Date of Joining SMVD University : *15th October 2007*
4. Duration of Employment in SMVD University : *1 Year 10 Months*
5. Educational Qualification
 - i. *B.Sc. (Hons)* *Punjab University, Patiala* *1st Class*
 - ii. *M.Sc. (Eng.)* *Punjab University Chandigarh* *1st Class*
 - iii. *Ph.D* *TICT, Patiala*
6. Work Experience
 - Teaching : *12 Years*
 - Research : *12 Years*
 - Industry : *Nil*
 - Others : *17 Years*
7. Area of Specialization : *Artificial Intelligence, Knowledge Representation & Reasoning*
8. Subjects teaching at Under Graduate Level: *Artificial Intelligence*
Post Graduate Level: *AI & Fuzzy Logic, Neural Networks*
9. Research guidance
 - No. of papers published in
 - Masters's : *Nil* National Journals
 - Ph.D. : *NIL* International Journals : *One*
 - Conferences: *Six*
10. Projects Carried out : *Two*
11. Patents : *Nil*
12. Technology Transfer : *Two*
13. Research Publications : *Seven*
14. No. of Books published with details : *Nil*

I. FEE

- Details of tuition fee, as approved by State fee Committee/Executive Council, for the Institution.

Year  Name of the Course 	2006	2007	2008
B.Tech. (CSE)	50000	50000	60000

B.Tech. (ECE)	50000	50000	60000
B.Tech. (ME)	50000	50000	60000
B.Tech. (IBT)	50000	50000	60000
B.Arch.	50000	50000	60000
MBA	75000	75000	140000
MBA (BE)	75000	75000	140000
M.Sc. (Mathematics)	-	20000	20000
M.A.(Philosophy)	-	20000	20000
M.Tech. (Energy Mgt.)	-	30000	30000
M.Tech. (Manufacturing & Automation)	-	30000	30000

- Time schedule for payment of fee for the entire programme.
4 to 8 times during the entire four year programme
- No. of Fee waivers granted with amount and name of students. **61 fee wavier granted, total amount Rs. 17,17,500/-, Name of the students are detailed below**
- Number of scholarship offered by the institute, duration and amount
Duration August to December 2008

Course	Sem-1	Sem-3	Sem-5	Sem-7
CSE	Gaurav Singh Prateek Garg Himanshu Khanna	Mrinal Ashutosh Raj Abhinav Tiwari	Anoop Kr. Pandey Romi Kumar Kumud Ranjan	Megha Gupta Ravi Kr. Dangaich
ECE	Preeti Vaid Dhanvi Gupta	Sanjoli Gupta Akshay Jain Chandan Kumar	Daksh Kumar Anand Priyanka Rani Sandeep Kumar	Vipul Panjeta Rahul Pandey
ME	Rahil Kr. Soni Amol Solankee	Abhinav Dutta Ishan Roy	Vikas Chandra Dheeraj Manhas	-
IBT	Damini Mahajan	Suberta Manhas	Rashmi Sharma	Vivek Kapoor

Duration January to May 2009

Course	Sem-2	Sem-4	Sem-6	Sem-8
CSE	Prateek Garg Roohani Sharma Harsh Pandey	Abhinav Tiwari Mrinal Ankur Agrawal	Anoop Kr. Pandey Romi Kumar Sonam Manhas	Megha Gupta Ravi Kr. Dangaich
ECE	Anshila Raina Atul Malhotra	Sanjoli Gupta Akshay Jain Surbhi Gupta	Daksh Kumar Anand Priyanka Rani T.Kumar Manglam	Vipul Panjeta Rahul Pandey
ME	Aditiya Bakshi Nirbhay Shar	Abhinav Dutta Rajesh Kumar	Vikas Chandra Ishan Verma	-
IBT		Suberta Man	Rashmi Sharma	Vivek Kapoor

The scholarship is offered to meritorious students as complete wavier from semester tuition fee as well as Rs. 1000/- per month as honorarium for the assigned work

- Criteria for fee waivers/scholarship. **5% of top meritorious students in each class**
- Estimated cost of Boarding and Lodging in Hostels.
 - Single Seater : Rs. 7200/- per annum

- Double Seater : Rs. 4500/- per annum
- Triple Seater : Rs. 3000/- per annum
- Mess Charges : Rs. 6750/- per semester

II. ADMISSION

- Number of seats sanctioned with the year of approval.

Course	No. of Sanctioned seats	Year of Approval
CSE	60	2006
ECE	60	2006
ME	60	2006
IBT	45	2008

- Number of students admitted under various categories each year in the last three years.

Course	Students Admitted 2005	Students Admitted 2006	Students Admitted 2007	Students Admitted 2008
CSE	37	59	60	60
ECE	39	60	59	60
ME	-	45	40	40
IBT	27	20	13	16

2005 batch passed out in 2009

- Number of applications received during last two years for admission under Management Quota and number admitted. All Admissions are conducted through CCB of AIEEE followed by Institute Counseling for the vacant seats

III. ADMISSION PROCEDURE

- Mention the admission test being followed, name and address of the Test Agency and its URL (website).

All India Engineering Entrance Exam
Conducted by CBSE, PS-1-2, Institutional Area,
I.P Extn. Patpargang, Delhi-110092
<http://ccb.nic.in/CCB2008/welcome.html>

- Number of seats allotted to different Test Qualified candidates separately [AIEEE/CET (State conducted test/University tests)/Association conducted test]: NA
- Calendar for admission against management/vacant seats: NA
- Last date for request for applications. As Per Central Counseling Board Norms
- Last date for submission of application. As Per Central Counseling Board Norms
- Dates for announcing final results. NA

- Release of admission list (main list and waiting list should be announced on the same day): **As Per Central Counseling Board Norms**
- Date for acceptance by the candidate (time given should in no case be less than 15 days): **As Per Central Counseling Board Norms**
- Last date for closing of admission; **NA**
- Starting of the Academic session. **August 2009**
- The waiting list should be activated only on the expiry of date of main list. **Yes, all seats are filled by CCB after following the norms laid down**
- The policy of refund of the fee, in case of withdrawal, should be clearly notified.

Yes the University clearly defines fee refund rules. They are published in the UG/PG Prospectus for information of all new students. Details of which are given below:

Fee Refund Rules

Cancellation of admission shall be governed by the following rules and guidelines

- a) In case a student opts for withdrawal of admission before commencement of the class work full semester tuition fee shall be refunded.
 - b) In case a student opts for withdrawal of admission within 15 days of commencement of the work 75% of the semester tuition fee shall be refunded.
 - c) In case a student opts for withdrawal of admission within 30 days of commencement of the work 50% of the semester tuition fee shall be refunded.
 - d) In case a student opts for withdrawal of admission beyond 30 days of commencement of the work tuition fee for the semester shall be nonrefundable.
 - e) No refund (except the security deposit) can be claimed in case of the withdrawal after 3 months from date of admission of the student.
- Full security deposit shall be refunded irrespective of time of withdrawal.
 - Fee Under the heads 1.1, 1.2, 1.3 & 2 shall be refunded partially or fully depending upon duration of stay (not more than 3 months from the date of admission) on the campus which shall be determined on case of case basis as per the rules of the University.
 - Fee under the head counseling charges (Rs. 5000/-) is nonrefundable.
 - Hostel rent is refundable as per actual stay of the student.
 - University shall release amount of refund within a maximum period of three months from the date a student applies for the same.

Refund shall not be treated as a matter of right however the same shall be done only after the student applies for the same on a prescribed format.

IV. CRITERIA AND WEIGHTAGES FOR ADMISSION

- Describe each criteria with its respective weightages i.e. Admission Test, marks in qualifying examination etc.

Admission Test – 100% (AIEEE)

GD --Nil

Interview --Nil

- Mention the minimum level of acceptance, if any. AS per AIEEE Norms
- Mention the cut-off levels of percentage & percentile scores of the candidates in the admission test for the last three years. As per AIEEE norms
- Display marks scored in Test etc. and in aggregate for all candidates who were admitted. Yes, detailed All India Rank (AIR) list is prepared & displayed by CCB of the AIEEE

V. APPLICATION FORM

- Downloadable application form, with online submission possibilities.

Downloadable application form given in website: www.smvdu.ac.in

VI. LIST OF APPLICANTS

- List of candidates whose applications have been received along with percentile/percentage score for each of the qualifying examination in separate categories for open seats. List of candidates who have applied along with percentage and percentile score for Management quota seats.

All Seats are filled through AIEEE Only. there are no Management Quota seats

VII. RESULTS OF ADMISSION UNDER MANAGEMENT SEATS/VACANT SEATS- NA

- Composition of selection team for admission under Management Quota with the brief profiles of members (This information be made available in the public domain after the admission process is over) NA
- Score of the individual candidates admitted arranged in order of merit. NA
- List of candidates who have been offered admission. NA
- Waiting list of the candidates in order of merit to be operative from the last date of joining of the first list candidates. NA
- List of the candidates who joined within the date, vacancy position in each category before operation of waiting list. NA

VIII. INFORMATION ON INFRASTRUCTURE AND OTHER RESOURCES AVAILABLE
LIBRARY:

Course	Titles	Books	Journals
Computer Science & Engg	428	2000	More than 1200 International Journals & More than 2150 Indest-AICTE Consortium
Electronics & Comm. Engg.	310	2000	
Mechanical Engineering	250	1000	
Industrial Biotechnology	300	635	
Business	750	3200	
Economics	385	1000	
Math's	315	1500	
Physics	122	800	
Languages	200	600	
General	250	527	
Architecture	365	600	
SPC	750	1900	

- List of online National/International Journals subscribed: ***Member of INDEST-AICTE consortium and have access to all journals of IEEE, IEE & ACM, a total of more than 2150 journals***
- E-Library facilities: ***YES***

LABORATORY:

- For each Laboratory
- List of Major Equipment/Facilities

School of Computer Sciences & Engineering (CSE)

Department	Description of item	Make	Cost of item	weather in working condition
School of CSE	UPS 600 VA (100 Nos.)	Elnova	227500	yes
School of CSE	UPS 600 VA (55 Nos.)	Elnova	110000	yes
School of CSE	UPS 600 VA (15 Nos.)	Elnova	30000	yes
School of CSE	UPS 600 VA (15 Nos.)	Elnova	30000	yes
School of CSE	laser printer & scanner	HP	64106	yes
School of CSE	Computers (07 Nos.)	HP		yes
School of CSE	Server (2 Nos.)	IBM		yes
School of CSE	Computers (01 No.)	HP		yes

School of CSE	Computers (50 Nos.)	IBM	1750000	yes
School of CSE	Computers (50 Nos.)	HP	1510000	yes
School of CSE	Computers (50 Nos.)	IBM	1560000	yes
School of CSE	Computers (20 Nos.)	HP	554320	yes
School of CSE	Computers (30 Nos.)	IBM	972500	yes
School of CSE	Computers (20 Nos.)	HP	426192	yes
School of CSE	Computers (20 Nos.)	IBM	630200	yes
School of CSE	Computers (15 Nos.)	HP	415740	yes
School of CSE	APC online UPS 5 KVA	APC	1276240	yes
School of CSE	Online interactive UPS	APC	56160	yes
School of CSE	Desktop computers (105 Nos.)	Dell	2215500	yes
School of CSE	Desktop computers (50Nos.)	HP	1432600	yes
School of CSE	printers	HP	36400	yes
School of CSE	printer & scanner	HP	11150	yes
School of CSE	printer 1020 plus	HP	5200	yes
School of CSE	printer (02 Nos.)	HP	19700	yes
School of CSE	printer (01 Nos.)	HP	22360	yes
School of CSE	Printer(2420 n) (04 Nos.)	HP	184954	yes
School of CSE	Printer & Scanners	HP	70200	yes
School of CSE	Printer (1020) (15 Nos.)	HP	152100	yes
School of CSE	Computers (26 Nos.)	Dell	613849	yes
School of CSE	Computers (41 Nos.)	Dell	984064.71	yes
School of CSE	Computers (122 Nos.)	Dell	2824117.98	yes
School of CSE	OFC 6 Core MM Armoured cable	DAX	156000	yes
School of CSE	Symantec Antivirus corporate edition	symantec	183500	yes
School of CSE	1 GB DDR SDRAM single slot	Simmtronics	71410	yes
School of CSE	Laptops (Sony VAIO) (3 Nos.)	Sony	137720	yes
School of CSE	Campus agreement subscription program	microsoft vista	209456	yes
School of CSE	2 MBPS internet lease line	airtel	576000	yes
School of CSE	Autodesk Revit Series (Educational Version)	Bimdesk	327600	yes

School of Mechanical Engineering (ME)

Department	Description of item	Make	Cost of item	weather in working condition
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School of ME	Equipments for Fluid Mechanics Lab Bernauli's Apparatus Reynold Number Major and Minor losses V-and rectangular notch	edu-tek	2544143	Yes
School of ME	Equipments for Strength of Material Lab Universal Testing Machine Hardness testing machine Impact Testing machine	H.C. Memorial	1881806	Yes
	Torsion Testing machine Faituge testing Machine			
School of ME	Supply of Solar Cookers	vishvakarma	6156	Yes
School of ME	Equipments for Theory of Machines Lab	Bharat engineers	256922	Yes
	Governor Balancing apparatus Gyroscope Fly wheel Whirling of shaft			
School of ME	Equipments for Tig and Spot Welding Machines Four stroke petrol engine Test rig. Four stroke Diesel engine Test rig Two stroke petrol engine Test rig Two stroke Diesel engine Test rig Variable compression Test Rig.	Kapal	200000	Yes
School of ME	Equipments for Heat and Mass Transfer lab Composite wall Heat exchanger Thermal conductivity of liquid Stefen bolts men apparatus Free and force convection apparatus	microtek	428300	Yes
School of ME	Dynamometer	Dynamic engg	204398	Yes
School of ME	CNC Production Lathe Machine	Batliboi	1615000	Yes
School of ME	Equipments for I.C. Engine	Accurate	1648125	Yes

School of ME	PRO-e wildfire 4.0 software	RVM Cadsoft	661800	Yes
School of ME	Equipments for Metrology lab	Kapal	117660	Yes
School of ME	Equipments for Metrology lab	Kudale	160735	Yes
School of ME	Equipments for Metrology lab	Radical	395571	Yes
School of ME	Equipments for Metrology lab	Getner	94375	Yes
School of ME	equipments for Refrigeration and Air Conditioning lab	Roorkee equipments	303381	Yes
School of ME	Function generator	Scientech	175905	Yes
School of ME	Digital Oscilloscope	Scientech	147420	Yes
School of ME	DualTrace cro Digital Oscilloscope	Scientech	384592	Yes
School of ME	Digital Multi meter	Scientech	73912	Yes
School of ME	electronic equipments	Scientech	553731.5	Yes
School of ME	electronic equipments		96322.5	Yes
School of ME	Machine tools	HMT	581947	Yes
School of ME	Auto Cad software	cad soft	544500	Yes
School of ME	Hydraulic cylindrical Grinding machine with accessories	HMT	1185760	Yes
School of ME	lathe machine	continental	123120	Yes
School of ME	equipments for SME	continental	92351	Yes
School of ME	Lathe machines	continental	1725284	Yes
School of ME	sheet bending machine	Kapal	185900	Yes
School of ME	equipments for Mechanical Lab	Kapal	161576	Yes
School of ME	gauges for SME	Kapal	146363	Yes
School of ME	pedestal grinder with accessories	Batliboi	104920	Yes
School of ME	HMT lathe machines	HMT	4776930	Yes
School of ME	Pyranometer	Kipp & Zonen	62780	Yes
School of ME	Energy Management	MECO	46294	Yes

School of Electronic & Communication Engineering (ECE)

Department	Description of item	Make	Cost of item	weather in working condition
School of ECE	Function pulse generator	Scientech	151140	Yes
School of ECE	Fiber optric trainer kit	OSAW	78868	Yes
School of ECE	Experiment kits	OSAW	120241	Yes

School of ECE	Equipments for SECE Labs.	Scientech	1542375	Yes
School of ECE	Equipments for SECE Labs.	Aplab	27562	Yes
School of ECE	mic system	Ahuja	45138	Yes
School of ECE	PA System in sanskruti kaksh	Ahuja	127526	Yes
School of ECE	Matlab Software	Matlab	537443	Yes
School of ECE	Electrical items for electrical Machine Lab	Havells	8628	Yes
School of ECE	conference system in council hall	Ahuja	173395	Yes
School of ECE	Items for Xilinx Lab Dell Desktop PC's with 17" LCD Monitor Spartan-3E Starter Kit Part No. HWSPPD33-SK-US-G XUP-Virtex Pro Board Part No. XUP-V@PRO University Trainer Kits Part No GEC.UPT,UTK. 512 Mb RAM Make Digilent Xilinx ISE 9.2i Xilinx Chipscope Pro Xilinx Embedded Development Kit Version-4.2	Xilinx/Digilent	541005	Yes
School of ECE	Microprocessor Kit	Scientech	33300	Yes
School of ECE	equipments for Fiber optics Lab	Scientech	283432	Yes
School of ECE	Equipments for PCB Fabrication Lab. Proto-Contact PCB artwork film maker Proto-Cure 02 PCB curing machine (oven) Photoresist Dip coating Machine Proto-UV double sided UV exposure unit Proto-Etch PCB etching machine Proto Drill 3000 PCB drilling machine Proto-Dye/Developer (2 in 1			Yes

	unit) Proto-Developer/Stripper (2 in 1 unit) Proto-Ion portable water deionizer RTM-10 Roller Tinning machine MICROPLATE 1012- Thru hole plating system (PTH) LAM-1200 Dry film laminator Ammonical etching machine (Oscillating Spray) RED Lamp assembly Developing trays			
School of ECE	IC programmers for Microprocessor/ microcontroller Labs	embedded	25121	Yes
School of ECE	microcontroller Labs	Scientech	336746	Yes
School of ECE	Equipments for Measurement and Control Lab.	Advance electronic	47500	Yes
School of ECE	Power Trainer Kit	Scientech	53437	Yes
School of ECE	Equipments for Microwave Lab.	Vidyut	481444	Yes
School of ECE	Equipments for Comm & Engg lab. Oscilloscope SM440 Function Generators SM5074 Digital Multimeters SM7022 Power Supply Model PSD 3304(16) &ST 4074 (05) LCR-Q BRIDGE 6018 Digital Storage Oscilloscope SM 1100 AM Transmitter Kit ST 2201&ACL01 AM Receiver Kit ST2202 & ACL02 FM Transmitter & Receiver Kit ST 2203 PAM,PWM,PPM Kit ST 2110 TDM Modulation Kit ST2103	Falcon	333000	Yes

	TDM Demodulation Kit ST2104 Antenna Trainer Kit ST2263 Data Conditioning &Carrier Modulation Kit ST2106 Data Reconditioning &Carrier Demodulation Kit ST2107 Advanced Fiber Optic Trainer Kit ST2502 Multiplexer &Demultiplexer Trainer Kit ST 2503 Decade Resistance Box Decade Inductance Box Decade Capacitance Box 4 ½ Digital Multimeters 1089			
School of ECE	Equipments for SECE Labs.	Scientech	543848	Yes
School of ECE	Equipments for Physics lab	associated	914992	Yes
School of ECE	items for Telecom switching lab		243750	Yes
School of ECE	items for Telecom switching lab	ESCO	82322	Yes
School of ECE	Tarang F04 module- wire antena	Melange	21836	Yes
School of ECE	Equipments for Free Scale Lab	Hong Kong co.	160000	Yes
School of ECE	Electrical items for electrical Machine Lab		8340	Yes
School of ECE	Desktop computers (16 Nos.)	Dell	385658.48	yes
School of ECE	Desktop computers(4 Nos.)	Dell	92563.96	yes

School of Biotechnology (Biotech)

Department	Description of item	Make	Cost of item	weather in working condition
School of Biotech	Supply of Celfrost cold room for storage 03 Nos	Celsius	635344	Yes
School of Biotech	Electrophoresis systems	GE	838998	Yes
School of Biotech	Gel Documentation System	Healthcare		Yes
School of Biotech	Thermocycler(PCR)	Bio-rad		Yes
School of Biotech	Ice Flakig M/c	SF Seies 400	358313	Yes
School of Biotech	Supply of Cold Room for SBT	Celfrost	272136	Yes

School of Biotech	Incubator with shaking facility	NBS	1251733	Yes
School of Biotech	Ultra Low Deep freezer	SV instruments		Yes
School of Biotech	High Speed Refrigerated centrifuge.	Sigma		Yes
School of Biotech	Fermentor	Biostat	899164	Yes
School of Biotech	Fermentor Accessories	Sartorius	163125	Yes
School of Biotech	Laminar Air Flow Cabinet	Thermadyne	941361	Yes
School of Biotech	Laboratory Tables	Aakar	2272518	Yes
School of Biotech	Stainless Steel Racks	JK Engineering	153650	Yes
School of Biotech	Equipments for Tissue Culture Lab.	Khera Instruments	348000	Yes
School of Biotech	Refrigerator twin door	LG	21590	Yes
School of Biotech	Microwave oven	Samsung	4390	Yes
School of Biotech	UV-VIS Spectrophotometer	Systronics	168896	Yes
School of Biotech	Glass water distillation Flask	solar industl corp	4950	Yes
School of Biotech	Refrigerator for various labs (o4 nos.)	Videocon	108000	Yes
School of Biotech	Ultra Low Deep Freezer	NBS	415516	Yes
School of Biotech	High Precision Analytical Balance	Avon	64688	Yes
School of Biotech	Refrigerated Centrifuge	Yorco	107690	Yes
School of Biotech	Boiling Water Bath	Yorco	28391	Yes
School of Biotech	Hot Air Oven	Orient	20217	Yes
School of Biotech	Laminar Air Flow	ACCO	93000	Yes
School of Biotech	Heating mentals and thermometers.	solar industl corp	26599	Yes
School of Biotech	UV Cabinet	Labco	4860	Yes
School of Biotech	High Precision Analytical Balance	Avon	64888	Yes
School of Biotech	Ph meter	Systronics	16409	Yes
School of Biotech	Biocular Microscope	Olympus	318937.5	Yes
School of Biotech	equipments for microbiology lab I	Khera Instruments	115842.5	Yes

School of Biotech	lab equipments		950009	Yes
School of Biotech	micro centrifuge & dancing shaker	Spinix	21161	Yes
School of Biotech	Spinix orbital shaker	Spinix	27337	Yes
School of Biotech	electronic weighing balance	Avon	73188	Yes
School of Biotech	equipments for SBT LAB	INDOSAW	177243	Yes
School of Biotech	Server (6 Nos.)	Sun	1,077,587	yes
School of Biotech	1 MBPS interner lease line for SBT	airtel	436000	yes
School of Biotech	Desktop computers (10 Nos.)	Dell	433566	yes

School of Languages

Department	Description of item	Make	Cost of item	weather in working condition
School of Languages	Setup of language lab.	software from focus	591377	Yes

Library

Department	Description of item	Make	Cost of item	weather in working condition
Library	LSEase software	Libsys	459888	Yes

- List of Experimental Setup

1	Physics Laboratory	22	Microbiology research Lab
2	Bioscience Laboratory	23	Bioinformatics Lab
3	Bioprocess Engineering	24	Basic Computer Laboratory
4	Organic Chemistry Laboratory	25	Advance Computer Laboratory
5	Computer Network (Wired & Wireless)-I	26	Operating System Laboratory
6	Computer Network (Wired & Wireless)-I	27	Internet Lab
7	Mechanical Workshop	28	Computer Lab-1
8	SMVDU Xilinx Laboratory	29	Computer Lab-2
9	Analog Electronics Laboratory	30	Fluid machine /Machinery / Thermal Lab
10	SMVDU Freescale Systems Lab	31	Theory of Machine Lab
11	Communication Engineering Lab	32	H.M.T Lab
12	Advance Communication	33	CAD Lab
		34	S.O.M. Lab

	Laboratory	35	Metrology Lab
13	Instrumentation & Controls Lab	36	I.C. Machine Lab
14	PCB fabrication Laboratory	37	Drawing Hall (Mechanical)
15	Electrical Machine Lab	38	Drawing Studio (Architecture)
16	Biotechnology Laboratory	39	Design Lab for Architecture
17	Microbiology Laboratory	40	Language Lab
18	Molecular Biology Lab	41	Management Computer Lab
19	Chemistry Laboratory-I	42	SITRM Instrumentation Lab
20	Chemistry Laboratory-II		
21	Molecular Biology Research Lab		

COMPUTING FACILITIES:

- Number and Configuration of Systems: ***310 (Out of which 50 P4 based and rest all are Dual Core Based)***
- Total number of systems connected by LAN : ***ALL***
- Total number of systems connected to WAN: ***ALL***
- Internet bandwidth: ***4 MBPS presently which is to be upgraded to 14 MBPS***
- Major software packages available: ***Auto CAD, Archi CAD, MATLAB, All software packages through Microsoft campus agreement & MSDN Computers etc.***
- Special purpose facilities available

Net and Internet Connectivity

The structure cabling work in all the four colleges of the University is being connected to the network control center housed in the College of Engineering Building. The College of Engineering has a dual option of Wired or Wi-Fi connectivity. The administrative offices and the residential accommodation in the University have now been provided with Wi-Fi connectivity. It was a Herculean task to plan and implement the entire networking of the University. After a rigorous exercise, we have setup 4 mbps broadband based internet connectivity through BSNL. An ambitious plan for expansion of an advanced and robust network has already been drawn and is being implemented. After the completion of the networking, the entire campus would be linked via the optical fiber network shortly. Servers supporting the modern generation of services shall form a part of this plan. Internet access shall be provided to all the buildings. All the rooms in the University Hostels shall be connected to the SMVDU UnivNet. Having their own hardware/ software, the student would have a round-the-clock access to the internet from the hostels as well. This will go a long way in improving the overall quality of our students. A dynamic bandwidth management system will also be put in place with a 4 layer switch controlling distribution of network facilities to the SMVDU community. This will enable us to dynamically strike a balance between the bandwidth demand and supply parameters thereby increasing the overall efficiency of the setup. All the member of

the SMVDU community shall be provided with one Net Account (username and password) which will allow them to access the various features/ facilities of SMVDU UnivNet. Both hardware and software firewalls will find a place in the SMVDU UnivNet and will ensure a reliable and smooth working with close to zero downtime efficiency.

Components of SMVDU UnivNet

- Campus LAN
- External & Remote Access
- Network Control Centre
- Network Services
- All these components require security, management and monitoring

Goals

- To provide Gigabit capacity Campus LAN.
- To interconnect securely with servers outside the SMVDU UnivNet.
- To easily secure connection and load balance any server or service across the network.
- To implement dynamic IP addressing capability (DHCP) across the university.
- Network.
- To provide secure network zones in the Network center that provide network
- Security for like groups of servers (Web, Database etc.)
- To have high speed wireless access in some select location on the campus initially.

Current Activities:

Creation of Gigabit Campus LAN resiliently interconnecting all the buildings via a fiber backbone. Introduction of better and more secure firewall mechanisms allowing the Network control centre to be re-architecture with secure network zones Net Account facility allowing authenticated Internet Access

Campus LAN

The SMVDU UnivNet LAN consists of a fiber as network backbone with Gigabit Ethernet core playing as supporting role. Buildings are connected via a building switch to the central switch through wired or wireless means. The University owns and manages its own and manages its own network. Edge switches in each College building provide Fast Ethernet (100 Mbs) connectivity to ports. The current standard for building cabling is CAT6. Wireless access is provided by Cisco LinkSys base stations running 802.11G.

External & Remote Access

Bharat Sanchar Nigam Ltd. is providing an all fiber link from Udhampur NIB. The internet connection is provided by BSNL broadband of 02 mbps through modem.

Network Services: The primary services are,

- Web Hosting
- Email
- Storage Management
- Database Management
- Server Housing & Management

University Website

The University website: www.smvdu.ac.in has been the face of the university and has evolved with the evolution of the university in the last five years. The site is hosted on an external server as well as an in-house web server and is very informative and user friendly. All the vital information for students, faculty, staff and general public is displayed and upgraded regularly on the website.

WORKSHOP:

- List of facilities available.

THERMAL & I.C. ENGINE LABORATORY

S.No.	Name of Equipment/Machine	Quantity
1.	FOUR STROKE FOUR CYLINDER DIESEL ENGINE TEST RIG	01
2.	FOUR STROKE FOUR CYLINDER PETROL ENGINE TEST RIG	01
3.	TWO STROKE PETROL ENGINE TEST RIG	01
4.	FOUR STROKE FOUR CYLINDER PETROL ENGINE	01
5.	TWO STAGE AIR-COMPRESSOR TEST RIG	01
6.	STEAM TURBINE CONDENSER TEST RIG	01
7.	BOMB CALORIMETER	01
8.	FLASH & FIRE POINT APPARATUS	01
9.	MODELS OF BOILERS	05
10.	GEAR BOX	01
11.	DIFFERENTIAL	01
12.	MODEL OF TWO STROKE PETROL ENGINE	01
13.	MODEL OF BRAKE SYSTEM	01
14.	DOOR GLASS OPERATION SYSTEM	01

FLUID MECHANICS LABORATORY

S.No.	Name of Equipment/ APPARATUS	Quantity
1.	BERNOULLI'S THEOREM APPARATUS	01
2.	MINOR LOSSES DUE TO PIPE FRICTION	01
3.	MAJOR LOSSES DUE TO PIPE FRICTION	01
4.	ORIFICEMETER & VENTURIMETER APPARATUS	01
5.	REYNOLD'S APPARATUS	01
6.	LAMINAR & TURBULENT FLOW APPARATUS	01
7.	NOTCHES & WEIRS APPARATUS	01

FLUID MACHINES LABORATORY

S.No.	Name of Equipment/Machine	Quantity
1.	CENTRIFUGAL PUMP CONSTANT SPEED	01
2.	CENTRIFUGAL PUMP VARIABLE SPEED	01
3.	RECIPROCATING PUMP VARIABLE SPEED	01
4.	HYDRAULIC RAM	01
5.	PELTON WHEEL	01
6.	GEAR PUMP	01

CIM & STRENGTH OF MATERIALS LABORATORY

S.No.	Name of Equipment/Machine	Quantity
1.	CNC TURNING MACHINE	01
2.	COMPUTERIZED UNIVERSAL TESTING MACHINE.	01
3.	BRINELL/ROCKWELL HARDNESS TESTING MACHINE.	01
4.	DIGITAL TORSION TESTING MACHINE.	01
5.	DIGITAL IMPACT TESTING MACHINE.	01
6.	FATIGUE TESTING MACHINE.	01
7.	SPRING TESTING MACHINE.	01

THEORY OF MACHINES LABORATORY

S.No.	Name of Equipment/Machine	Quantity
1.	MOTORIZED GYROSCOPE	01
2.	UNIVERSAL GOVERNOR APPARATUS	01
3.	WHIRLING OF SHAFT APPARATUS	01
4.	JOURNAL BEARING APPARATUS	01
5.	EPICYCLIC GEAR TRAIN APPARATUS	01
6.	CAM ANALYSIS APPARATUS	01
7.	STATIC AND DYNAMIC BALANCING APPARATUS	01

METROLOGY, MEASUREMENT AND CONTROL LAB.

S.No.	Name of Equipment/Machine	Quantity
1.	DOUBLE DISC POLISHING MACHINE	01
2.	GEAR ROLLING TESTER	01
3.	METALLURGICAL MICROSCOPE (INVERTED TYPE)	01
4.	SURFACE ROUGHNESS TESTER	01
5.	SET OF SLIP GAUGES (TOTAL= 47 NOS, all in mm)	01
6.	VERNIER HEIGHT GAUGE	01
7.	UNIVERSAL BEVEL PROTECTOR	01
8.	STROBOSCOPE	01
9.	WIRE GAUGE STANDARD	01
10.	MICROMETER	01
11.	FEELER GAUGE	01

HEAT & MASS TRANSFER LABORATORY

S.No.	Name of Equipment/Machine	Quantity
1.	CROSS FLOW HEAT EXCHANGER	01
2.	PARALLEL & COUNTER FLOW HEAT EXCHANGER	01
3.	COMPOSITE WALL APPARATUS	01
4.	STEFEN BOLTZMANN APPARATUS	01
5.	EMISSIVITY MEASUREMENT APPARATUS	01
6.	PIN-FIN WITH FORCED CONVECTION APPARATUS	01
7.	PIN-FIN WITH NATURAL CONVECTION APPARATUS	01
8.	THERMAL CONDUCTIVITY OF LIQUID	01
9.	THERMAL CONDUCTIVITY OF LIQUID WITH HOT PLATE METHOD	01
10.	THERMAL CONDUCTIVITY OF LIQUID WITH INSULATING POWDER	01

COMPUTER AIDED DESIGNING LABORATORY

S.No.	Name of Soft wares	Quantity
1.	2006 AUTO CAD ELECTRICAL AUTO CAD INVENTOR PROFESSIONAL AUTO DESK DESIGN ACADEMY AUTO DESK RASTER DESIGN DWF COMPOSER AUTO DESK VIZ	 2 NOS 6 NOS 2 NOS 1 NOS 1 NOS 2 NOS 14

2.	2007 AUTO CAD ELECTRICAL 2 NOS AUTO CAD INVENTOR PROFESSIONAL 6 NOS AUTO DESK RASTER DESIGN 1 NOS. AUTO DESK VIZ 1 NOS AUTO CAD 10 NOS	20
3.	PRO-E WF-4.0 WITH PTC LICENSE (1 SET = 5 CD)	2 set

REFRIGERATION & AIR CONDITIONING LAB.

S.No.	Name of Equipment/Machine	Quantity
1.	AIR CONDITIONING TEST RIG	01
2.	WATER COOLING TEST RIG	01
3.	REFRIGERATION TEST RIG	01
4.	ICE PLANT TEST RIG	01
5.	WATER COOLING TOWER	01
6.	MECHANICAL HEAT PUMP	01

CENTRAL WORKSHOP

MACHINE SHOP

S.No.	Name of Equipment/Machine	Quantity
1.	LATHE MACHINE (CONTINENTAL)	10
2.	LATHE MACHINE (HMT)	10
3.	TURRET LATHE	01
4.	RADIAL DRILLING MACHINE	01
5.	MILLING MACHINE	01
6.	SHAPING MACHINE	01
7.	TOOL & CUTTER GRINDER	01
8.	CYLINDRICAL GRINDER	01
9.	PEDESTAL GRINDER	01
10.	POWER HACKSAW	01

WELDING SHOP

S.No.	Name of Equipment/Machine	Quantity
1.	MIG WELDING UNIT	01
2.	SPOT WELDING SET	01
3.	ARC WELDING SET	02
4.	D.C. ARC WELDING RECTIFIER SET	01
5.	OXY-ACETYLENE GAS WELDING SET	02

6.	ELECTRODE DRYING OVEN	01
7.	FLY PRESS	01

FOUNDRY SHOP

S.No.	Name of Equipment/Machine	Quantity
1.	OIL-FIRED FURNACE	01
2.	SAND MULLER	01
3.	MAGNETIC SEPARATOR	01
4.	OVEN	01

CARPENTRY SHOP

S.No.	Name of Equipment/Machine	Quantity
1.	WOODEN LATHE MACHINE	01
2.	CIRCULAR SAW	01
3.	BARREN SAW	01

SHEET METAL SHOP

S.No.	Name of Equipment/Machine	Quantity
1.	ROLLING & BENDING MACHINE	01
2.	SHEARING MACHINE	01

SMITHY SHOP

S.No.	Name of Equipment/Machine	Quantity
1.	OPEN HEARTH	04

- Games and Sports Facilities

The Department of Sports has the following facilities:

1. **Basketball Courts**
2. **Tennis Courts**
3. **Volleyball Courts**
4. **Multi-Gym**
5. **Cricket Ground**
6. **Football Ground**
7. **Tracks & Field for various athletic events**
8. **Badminton Court**
9. **TT Tables in various hostels**
10. **Indoor games like Chess, Carom etc.**
11. **Kho-Kho**

MULTIPURPOSE GROUND: The university has constructed a multipurpose ground size 200 m X150 m where the different grounds like Foot ball, Hockey, Cricket field and 400 m track has been established. The construction work on stairs is in progress to give it a shape of stadium in future.

BASKET BALL COURT: The university has established an international standard basket ball court. Students are getting full advantage of this court in the morning and evening hours.

TENNIS COURT: The Department of Sports furnished on specialized Lawn Tennis Court of high standard and is covered with mesh on all sides.

VOLLEY BALL COURT: Two permanent clay courts are fully functional in the university since 2007. In addition to these some temporary volley ball courts has been made near the hostels to avoid the rush of students. However the permanent courts are used for practice and competitions in the university tournaments

FOOT BALL GROUND: A foot ball ground is functional in the University for organizing tournaments.

CRICKET GROUND: A Cricket pitch has been set up for conducting various types of tournaments in the university.

INDOOR GAMES: The competitions of Indoor games like Badminton, Table Tennis, Carom, Chess, etc. are held in the Sports Hall of the university. How ever facility of all these games is also provided in university hostel also.

TRACK AND FIELD EVENTS: All sort of Track & Field events like Races, Jumps and Throws are organized in the track & field area which is a part of the multipurpose ground.

GYM FACILITY: The Department of Sports has established a gym centre which has become of the demand of youth in present times. This department has equipped gym with multipurpose gym, weight and other equipment for different type of exercises to keep the students fit and sound

In near future we also have planned to construct Squash Courts and Badminton Synthetic Courts. We are also planning to install Multi-gym Power Station soon.

STOCK POSITION As on 15.05.2009

S.No.	Particulars	Unit Quantity	S.No.	Particulars	Unit Quantity
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1	Arm guard	02	30	Velvet cloth	75 Cm.
2	Abdomen guard	03	31	Badminton Net	04
3	Badminton Racket	10	31	Chess men	10 sets
4	Batting gloves	02 pr.	32	Discuss	02
5	Carom board		33	Basket ball net	02 pr
6	Chess board	03	34	Marking rope	01 coil
7	Cricket bat	03	35	Shot put	02
8	Cricket tennis ball	12	36	TT Net	10
9	Carom table		37	Rope (Tug of war)	01
10	Cricket Ball leather	02	38	Plastic ball (small)	10 dzns
11	Cricket mat	01	39	Trophy	02
12	Card board	04	40	Medal	22
13	Foot ball	13	41	Foul Flag	04
14	Helmet	04	42	Basket ball	09
15	Keeping gloves	05 pr.	43	Knee cap	12 pr
16	Shuttle cock feather	40	44	Lawn Tennis Net	03
17	Shuttle cock plastic	52	45	Lawn tennis racket	02
18	Starter	01	46	Lawn tennis ball	13
19	Sports timer	06	47	Sickle (Drati)	02
20	T.T.Table	01	48	Lawn Tennis pole	01 pr
21	T.T. bat	08	49	Kho-Kho post	01 pr
22	T.T.ball	26	50	High jump stand	01 pr
23	Volley ball post	01pr	51	Cross bar (Fibre)	02
24	Volley ball net	06	52	Volley ball net wire	02 pc
25	Volley ball	21	53	Lawn Tennis Net wire	01 pc
26	Whistle	05	54	Scissors	01
27	Skipping rope	10	55	Carom points	10 sets
28	Relay baton	06	56	Squat board	05
29	Take off board	01			

- Extra Curriculum Activities

Student Activities: The University provides ample opportunities to students for extra-curricular activities. Students participate actively in social and intellectual activities far beyond the realm of the class room experience. The co-curricular activities mainly include recreational and creative activities, sports activities, student publications and students welfare. In addition, there is an ample focus towards the social service and community oriented activities. There are two major students' festivals held annually, organized by students **Titikhsha and Resurgence** at inter and intra university level.

Titiksha, is a technical festival which provides a platform for students to explore their scientific and technological skills with competitiveness. Various competitions are organized which motivate students to innovate and pursue a promising career in the fields of science and technology.

Resurgence is a major cultural and sports festival with inter and intra university competitions. The function is organized by the students to enhance their competitive skills and team work. It provides a platform for recognizing the talents of the students across the boundaries of cultural events say dramatics, music, literary etc. as well as sports; confluence with the technical and management skill of the students.

Vikalpa - a body of students was started in the university as student's initiative in the field of social service. Vikalpa provides an opportunity to the students to run evening school with student volunteers, with an objective to cater to the educational needs of children of migrant workers/laborers in and around the campus. Regular classes are run with all kinds of teaching and literary support to the deprived children. Various awareness programs are conducted and efforts are made to ensure that people of neighboring villages are also benefited with education and literacy initiative of the students.

The hostels at SMVDU are not only a place to stay but it creates a community ambience together with the opportunity to explore the creative and innovative skill of the resident students.

- Soft Skill Development Facilities: ***Yes, there is Corporate Relations and Scientific Research Division which take Personality Development classes of all the B.Tech. students***
- Number of Classrooms and size of each: ***No Class rooms are there in workshop***
- Number of Tutorial rooms and size of each: ***FOUR (04) Tutorial Rooms and the size of each Tutorial Room is 37.5 m².***
- Number of laboratories and size of each: ***NINE (09) laboratories and SEVEN (07) shops in the Central Workshop. Size of each Laboratory and shop is given below:***

S.No.	Name of Laboratory	Area in meter ²
1.	THERMAL & I.C. ENGINE LABORATORY	534
2.	FLUID MECHANICS LABORATORY	150
3.	FLUID MACHINES LABORATORY	150
4.	CIM & STRENGTH OF MATERIALS LAB.	534

5.	THEORY OF MACHINES LABORATORY	150
6.	HEAT & MASS GTRANSFER LABORATORY	150
7.	COMPUTER AIDED DESIGNING LABORATORY	190
8.	METROLOGY, MEASUREMENT AND CONTROL LAB	150
9.	REFRIGERATION & AIR CONDITIONING LAB.	190

S.No.	Name of Laboratory	Area in meter ²
1.	MACHINE SHOP	750
2.	WELDING SHOP	250
3.	FOUNDRY SHOP	250
4.	CARPENTRY SHOP	500
5.	SHEET METAL SHOP	250
6.	SMITHY SHOP	250
7.	FITTING SHOP	250

Other Laboratories in College of Engineering
Electronics & Communication

S.No.	Name of Laboratory	Area in meter ²
1	SMVDU XILINX DIGITAL LAB	150
2	SMVDU FREESCALE SYSTEMS LAB	150
3	ADVANCED COMMUNICATION ENGINEERING LAB	75
4	COMMUNICATION ENGINEERING LAB	150
5	ANALOG ELECTRONICS LAB	150
6	ELECTRICAL MACHINES & POWER ELECTRONICS LAB	150
7	INSTRUMENTATION & CONTROLS LAB	150
8	PCB MANUFACTURING LAB	75

School of Biotechnology

S. No.	Name of Laboratory	Area in meter ²
1.	MICROBIOLOGY LABORATORY.	150
2.	BIOCHEMISTRY AND MOLECULAR BIOLOGY LABORATORY	150
3.	CHEMISTRY LABORATORY (I AND II)	150
4.	GENERAL BIOTECHNOLOGY LABORATORY	150
5.	SR. MICROBIOLOGY LABORATORY	150
6.	SR. MOLECULAR BIOLOGY LABORATORY	150
7.	BIO-INFORMATICS LAB.	150
8.	TISSUE CULTURE LAB.	150

9.	COLD ROOM	150
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School of Computer Science & Engineering

S.No.	Name of Laboratory	Area in meter ²
1	PROJECT LAB	150
2	LINUX LAB	150
3	PROGRAMMING LAB	150
4	DATABASE LAB	150
5	INTERNET LAB	150
6	BASIC COMPUTING LAB	150
7	ONE SERVER ROOM	150

- Number of drawing halls and size of each: ***TWO (02) Drawing Halls and the size of each is 190m².***
- Number of Computer Centers with capacity of each:
- Central Examination Facility, Number of rooms and capacity of each.: ***Yes there is a central examination facility***

Teaching Learning process

- Curricula and syllabi for each of the programmes as approved by the University. ***SMVD University publishes UG & PG Course booklet (in which details about the course curriculum, examination system etc. is given) every year***
Please refer Annexure-2
- Academic Calendar of the University: ***Please refer Annexure-3***
- Academic Time Table: ***Please refer Annexure-4***
- Teaching Load of each Faculty: ***Professor 9 hrs/week, Assistant Professor 12 hrs/week, Lecturer 12-14 hrs/week***
- Internal Continuous Evaluation System and place: ***Yes, SMVD University follows the semester system. There are two semester in a year. Students are given regular assignments & tutorials. Besides this they have to appear in 2 minors & one major examination in each semester.***
- Students' assessment of Faculty, System in place. ***Yes, feedback forms are filled by students twice a semester***

For each Post Graduate programme give the following:

- Title of the programme: ***M.Tech. (Energy Management) 2 ½ years part time course***
- Curricula and Syllabi: ***Please refer Annexure-2***

- Faculty Profile

S.No	Name	Designation	B. Subject Teaching
1	Prof. N.K.Bansal	Vice Chancellor	1.Wind & Small Hydro Power 2.Energy Efficiency in Building
2	Mr. Rakesh Sharma	Assistant Professor	1.Wind & Small Hydro Power 2.Power Plant Engineering
3	Dr. S. K. Tyagi	Assistant Professor	1.Solar Refrigeration & Air-conditioning 2.Co-generation & Energy Efficiency
4	Mr. Sanjeev Anand	Lecturer	1.Energy Auditing 2.Industrial Energy Management 3.Power Plant Engineering 4.Principal of Energy Conversion 5.Project Evaluation & Management
5	Mr. Pankaj Pandotra	Lecturer	1.Technology Forecasting 2.Energy Efficiency in Building
6	Amit Sharma	Lecturer	1.Applied Mathematics for Energy Management 2.Non-Conventional Energy Sources
7	Subash Mallah	Lecturer	1.Fuel Cells & Hydrogen Energy 2.Energy Economics & Planning

- Brief profile of each faculty.
 - Laboratory facilities exclusive to the PG programme

Special Purpose

- Software, all design tools in case
- Academic Calendar and frame work: ***Please refer Annexure-3***
- Research focus

List of typical research projects.

- Industry Linkage.....

- Publications (if any) out of research in last three years out of masters projects.....
- Placement status *Since M.Tech (EM) is a part time course till now 80% of the class strength is working professional*

- Admission procedure:

For M.Tech (EM) [Graduates with 60% marks in Architecture/Chemical Electrical/ Mechanical Engineering or M.Sc(Phys./Chem./Math) from a recognized University / Institution. GATE qualified candidates shall be preferred] & followed by Entrance exam/ Personal Interview

- Fee Structure: *Tuition fee: Rs. 35,000/-*
- Hostel Facilities *No (as M.Tech. in Energy Management is a Part Time Course of 2 years & 6 months duration)*
- Contact address of co-ordinator of the PG programme *M.Tech. (Energy Management)*
 - Name : *Mr. Rakesh Sharma*
 - Address : *Director, School of Infrastructure Technology & Resource Mgt. Shri Mata Vaishno Devi University, Sub-Post Office-182320, Katra, J&K*
 - Telephone : *01991-285535, 285634, 285699, Extn: 2770*
 - E-mail : *arshiarakesh_2007@yahoo.com*

- Title of the programme: **M.Tech. (Manufacturing & Automation) 2 year full time course**
- Curricula and Syllabi: **Please refer Annexure-2**
- Faculty Profile

S.No	Name	Designation	B. Subject Teaching
1	Navdeep Malhotra	Assistant Professor	1. Product Design & Management. 2. Metal Forming Technology
2	Rajesh Bhushan	Assistant Professor	1.Computer Aided Process Planning 2. Metrology & Industrial Inspection 3. Metrology Lab 4. Simulation & Modeling
3	Balbir Singh	Assistant Professor	1. Quality & Reliability Engineering 2. Maintenance Engineering
4	Yatheshth Anand	Lecturer	1.Computer Integrated Manufacturing System 2.Computer Integrated Manufacturing System Lab 3.Industrial Automation 4. CAD/CAM 5. Mechatronics 6. industrial Robotics

- Brief profile of each faculty.
 - Laboratory facilities exclusive to the PG program: **CAD Lab & CAM Lab**

Special Purpose

- Software, all design tools in case **Pro-E**
- Academic Calendar and frame work: **Please refer Annexure-3**
- Research focus

List of typical research projects.

- Industry Linkage.....
- Publications (if any) out of research in last three years out of masters projects.....

- Placement status 1st batch of students is yet to pass out
- Admission procedure:

For (M.Tech(M&A) [Graduates with 60% marks in Architecture / Chemical Electrical / Mechanical Engineering or M.Sc(Phys./Chem./Math) from a recognized University / Institution. GATE qualified candidates shall be preferred] & followed by Entrance exam / Personal Interview

- Fee Structure: Tuition fee: Rs. 35,000/-
- Hostel Facilities: Yes
- Contact address of co-ordinator of the PG programme M.Tech. (Manufacturing & Automation)
 - Name : *Dr. A.S Sudan*
 - Address : *Director, School of Mechanical Engineering
Shri Mata Vaishno Devi University,
Sub-Post Office-182320, Katra, J&K*
 - Telephone : *01991-285535, 285634, 285699, Extn: 2346*
 - E-mail: Nil

NOTE : Suppression and/or misrepresentation of information would attract appropriate penal action.