

# VISION - MISSION - OBJECTIVES



## **VISION**

Establishment of a scientific and technical University of excellence to nurture young and talented human resource for the service of Indian Society and world at large preserving the integrity and sanctity of human values.

## **MISSION**

The mission of the University is the pursuit of education, scholarship and research at the highest level of excellence.

## **OBJECTIVES**

- Provide education and training of excellent quality both at undergraduate and postgraduate levels.
- Ensure that the University achieves and maintain an international standing in both teaching and research.
- Promote study and research in new and emerging areas and encourage academic interaction of the faculty and students at national and international levels.
- Encourage close collaboration with industry and facilitate the application of research for commercial use and for the benefit of society.



# SHRI MATA VAISHNO DEVI UNIVERSITY

## 8<sup>th</sup> ANNUAL REPORT 2011-2012

Sub Post Office Katra-182320, Jammu & Kashmir

Tel: 01991-285535, 285634, Fax: 01991-285573

Email: [mediacell@smvdu.ac.in](mailto:mediacell@smvdu.ac.in)

Website: [www.smvdu.net.in](http://www.smvdu.net.in)

Public Relations Office:

15-C, Second Extension, Opposite Bahu Plaza,

Gandhi Nagar, Jammu- 180004

Telefax: 0191-2470067

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## SMVDU IN PICTURES















**GOVERNOR  
JAMMU & KASHMIR**



**RAJ BHAVAN  
JAMMU - 180001**

## Chancellor's Message

*Chokra*





## Vice Chancellor's Message

Shri Mata Vaishno Devi University with its global outlook and the grass-root connectivity has provided its inmates a unique position in the world of academia. The foundations laid in these eight years of its existence are strong enough to continue with the challenges of academic excellence, efficient administration, healthy and happy atmosphere within the campus. The university today stands tall to claim few achievements

The compilation of Annual Report 2011-12 under the aegis of Publication and Media Cell provides a glimpse of the achievements of the university and what steps have been taken to forge ahead in building an institution of repute with the support of Shrine Board and the University Grants Commission.

I present the eighth Annual Report for a positive feedback and constructive criticism to enable us to continue our odyssey towards vibrant academic ambience, healthy competition and inclusive growth.

**Prof. R.N.K Bamezai**  
Vice Chancellor





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## Prologue



Prof. R. N. K. Bamezai, Vice Chancellor, Shri Mata Vaishno Devi University presenting a report on the occasion of 3<sup>rd</sup> Convocation of Shri Mata Vaishno Devi University on 25<sup>th</sup> Nov, 2011.

### ACHIEVING NEW MILESTONES

**Recognition and Placements:** The SMVD University owes its existence and support to Shri Mata Vaishno Devi Shrine Board through an act of J&K legislature. Within a short period of 7 years, SMVDU has attained the status of 2(f) and 12(B) of University Grants Commission (UGC), gained recognition by AICTE & Council of Architecture (COA), and accreditation by eminent companies like Tata Consultancy Services (TCS), HCL Technologies, and Capgemini. Other equally important international and national companies, to mention a few, such as, NIIT, Mahindra & Mahindra, L&T, IBM, BHEL, AIRTEL, HDFC, ICICI, SBI Life insurance, Coca Cola India, Water Health, Cipla, Nestle, recruit our students annually through campus placement.

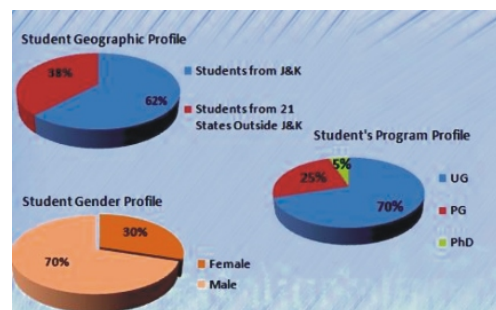
**Diversity is Our Strength:** Our residential campus is home to students from different states of the country who join SMVDU's engineering and architecture schools through a national level selection process of AIEEE examination and CCB selection.

Admission to the MBA program is through the competitive process of CAT and MAT; and university level admission tests followed by interviews for Masters and Ph.D. programs. It is heartening to note that SMVDU's admission program has attracted students from various parts of the country and their representation has been on the rise. Since 2008 when Hon'ble Prime Minister, Dr. Manmohan Singh graced the 1st Convocation, the representation of students has increased from 16 states to 22 this year, adding to the diversity within the campus. Equally creditworthy has been the role of the university in



fulfilling aspirations of local youth from adjoining areas who have succeeded in gaining admission to various academic programs, especially in past two years. Hence, the University is serving its vision of opening educational avenues and opportunities in the region while simultaneously serving the national interest.

Building Core Values for Setting Priorities: Under the leadership and guidance of our Hon'ble Chancellor, Shri N.N. Vohra, H.E. the Governor of Jammu & Kashmir state, it has been possible to enjoin academic vibrancy with moral values and social commitment. The process of creating such conditions is on in SMVDU where every member of the university community is motivated to prioritize collective interests and progressively work towards creating efficient systems. Our faculty is shaping their knowledge and skills to become a repository of creative genius and our students an infinite reservoir of potential talent and innovation. We take pride in stepping into an enviable position of excellence and feel confident that within next few years the pool of diverse and inquisitive students, the devoted faculty, staff and the alumni would work collectively towards building this educational institution as a 'WORLD CLASS UNIVERSITY' in this vibrant state of J&K. An abiding faith in the progressive values nurtured by the university and self-belief would provide the right impetus to work collectively towards this goal.



Program	Improvement in Rank in 2010 over 2009	Improvement in Rank in 2011 over 2010
B.Arch	20%	28%
B.Tech	42%	32%

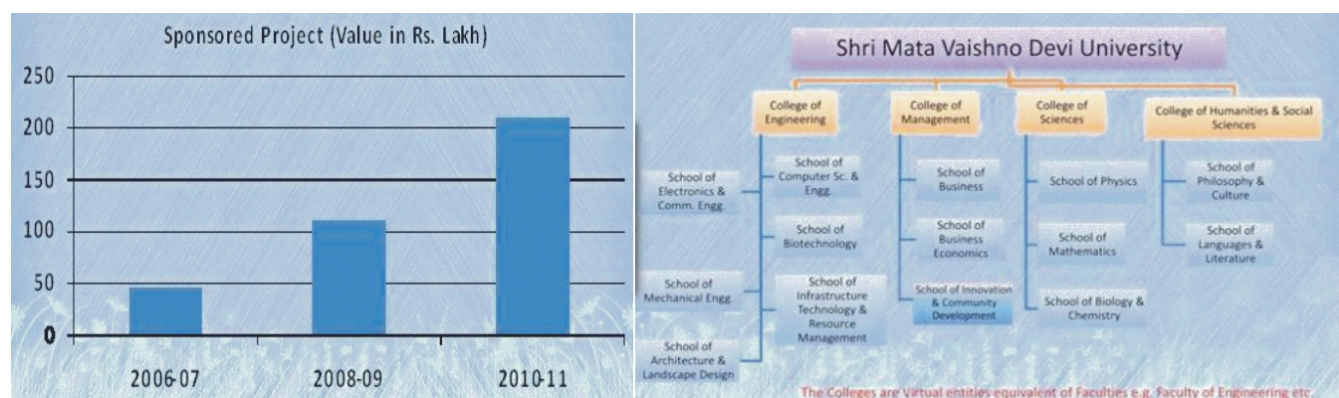


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## OUR APPROACH AND ACHIEVEMENTS

The global outlook and the grass-root connectivity approach positions SMVDU uniquely in the world of academia. The participatory and democratic approach of administration adds to it. Our achievements in developing and shaping human resource is reflected in the quality of students we attract from all over the country, and in their performances and success stories in IITs, Administrative services, Higher education institution of repute abroad, Industry and other sectors. The excellence in research is reflected through quality publications in good impact journals. As a young institution of higher learning, we have taken initial steps to translate these achievements into larger social good.

Being sensitive to intergenerational responsibilities: As an institution, we impart education, awareness and training through programs, such as DST sponsored INSPIRE for young school children of the state. The grassroots initiative VIKALP, a voluntary effort by the students and some teachers is a step towards facilitating social mobility in the adjoining villages. Other academic and awareness activities include: lectures and debates on topics, such as 'Population and Development', 'Drug Abuse', 'Supply chain Management', 'Business skill Development and Entrepreneurship', 'Corporate Corruption', 'Culture Myth & Knowledge', 'Morality & Ethics', 'Gandhi's Two Weapons-Truth & Non-violence', 'Bioinformatics and Genomics', 'Creating a sustainable and Motivated Organization', 'IPR', 'Renewable Energy for Transport Systems', to quote a few. Students are encouraged and supported to participate in such activities nationally and they have brought laurels to the university by winning prizes at these events. Students are also encouraged to participate in training programs, workshops and conferences outside the university, so are teachers of the university.



Conferences, seminars and workshops: One hundred thirty three such events were attended by the faculty within a period of less than two years. Forty Seven of these were international and 86 national, where in they presented their research work. Twelve conferences, seminars, workshops, including 3 international conferences and seminars, were organized by SMVDU wherein hundreds of delegates participated including foreign delegates from Europe and USA.

Last one year has witnessed a greater focus on building research facilities augmented by funding from renowned agencies like MHRD, DST, DBT, CSIR, UGC, AICTE, ICSSR, ISRO. Resources have been generated by the faculty through sponsored research as well which has added value to their research and helped funneling research findings to improve industrial efficiency and technology development. The recent initiative of a twinning program with the CSIR institution, IIIM in Jammu, and several MOUs with different industries for providing hands-on training to our students, has further added to the academic health of the institution.

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## **WE KEEP OUR EYES AND EARS OPEN**

Our dynamic website has been designed by in-house inputs to showcase our achievements on a regular basis and for maintaining an interface with various partners. The website is also a place for networking with the alumni and receiving regular feedback. To facilitate this process of wiring amongst the faculty and with the outside world, laptops are provided to each faculty member to remain connected and benefit from the fast changing developments in all areas of knowledge and technology. The IT initiatives are also being extended to our library to match with any well established academic institution. All in all, this journey has thrown many challenges but the sense of optimism and faith in human spirit and will have sustained our efforts with more vigour and determination to build an infrastructure which is infused with academic vibrancy and to carve out a bright future for SMVDU.

We Feel Blessed: Nestled in the foothills of Trikuta hills and in the midst of the holy shrine of Vaishno Devi, SMVDU is indeed blessed. Lending an added blessing is the gracious presence of all the dignitaries here today on this momentous occasion. All members of the SMVDU family feel honored and grateful to the distinguished dignitaries on dais and in the audience, who have graced this convocation. I congratulate the parents and the students who have been part of this function and received their degrees and medals of appreciation for their achievements. I am sure the junior batch of students would have drawn inspiration from the success stories of their seniors. I am certain that this would provide them an impetus in developing the positive sides of their personalities and contribute to the desired growth and development of this institution. I wish them all the best in their career and thank Her Excellency, the President of India, Smt. Pratibha Devisingh Patil; Hon'ble Chancellor, Shri Mata Vaishno Devi University & His Excellency, Governor of J&K, Shri N.N. Vohra; Hon'ble Chief Minister of J&K, Jenab Omar Abdullah; the notable dignitaries; the guests and all invitees, for taking out their valuable time to join us on this important occasion. On behalf of all the members of SMVDU family, I reaffirm our resolve and commitment towards making SMVDU an institution par excellence.



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## Executive Summary

### Academic Programmes

#### Colleges, Schools, Cells & Centres

The University has four Colleges, Fourteen Schools, Four Research Centres. Currently, the University is offering Ph.D in thirteen disciplines, M.Tech in four disciplines, PG in eleven disciplines, B.Tech in four disciplines and B.Architecture.

#### Admission

The intake of students has shown considerable progress since the establishment of university in 2004 till 2011-12. The student strength has reached 1382 in the year 2011-12 in various undergraduate, postgraduate and Ph.D courses. The admission to all Ph.D and PG courses is through written test and Interview and admission to B.Tech / B.Arch courses through Central Counselling process of AIEEE. In the year 2008, the University was allotted a full fledged Counseling Centre by Central Counseling Board (CCB) for admission in B.Tech. / B.Arch. to facilitate students of J&K.

#### Student admitted for the Post graduate Courses in the Academic Year 2011-12

Sr.No.	Name of the Course	Sanctioned Strength	Applications Received	Actually Admitted	Currently on Rolls
1.	MBA & MBA [BE]	120	335	57	56
2.	M.Tech. [CSE]	25	40	08	07
3.	M.Tech. [ECE]	25	52	04	03
4.	M.Tech. [M&A]	25	07	00	00
5.	M.Tech. [EM]	25	00	00	00
6.	M.Sc. [BT]	30	89	28	28
7.	M.Sc. [Maths]	20	68	18	17
8.	M.Sc. [Physics]	20	122	20	20
9.	M.A. [English]	20	73	20	20
10.	M.A. [Philosophy]	15	19	08	08

#### Students admitted for the Under graduate courses in the Academic Year 2011-12.

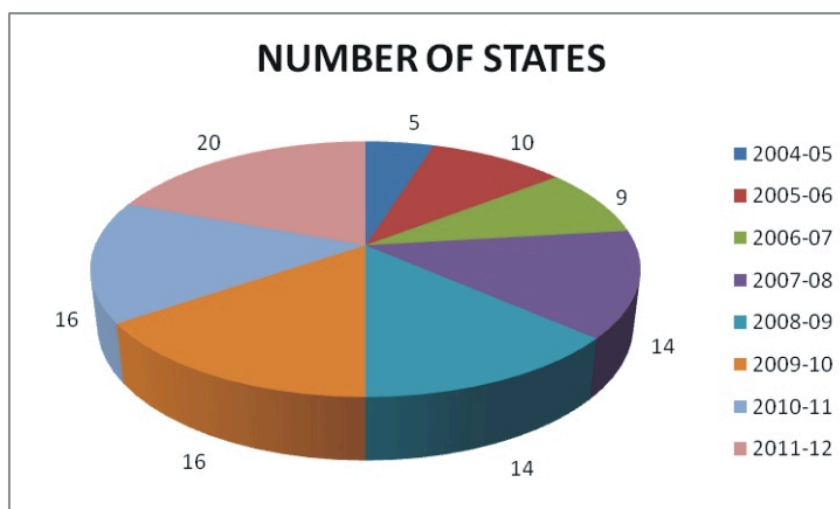
Sr.No	Name of the Course	Sanctioned Strength	Admitted through CCB	Direct Admissions	Total Admitted	Currently on Rolls
1.	B.Tech. [CSE]	60	55	05	60	60
2.	B.Tech. [EEC]	90	87	03	90	90
3.	B.Tech. [Mech.]	60	59	01	60	59
4.	B.Tech. [IBT]	30	12	06	18	18
5.	B.Arch.	40	33	07	40	40

#### Ph.D Students admitted in the Academic Year 2011-12

1.	Ph.D.[scholars enrolled till date]	89
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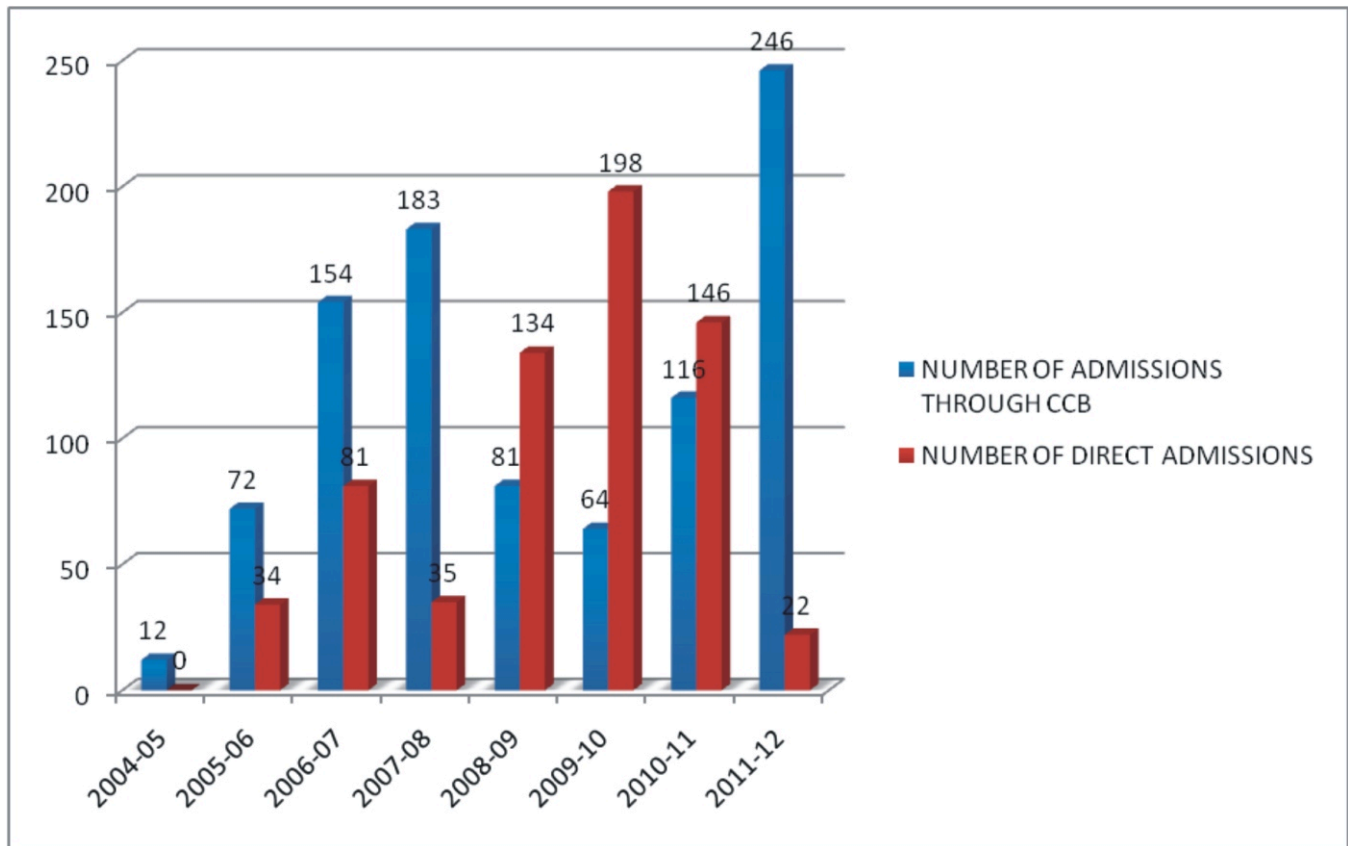
The University attracts students from many States of the Country. These are students from J&K and students from Kerala, Assam and Gujarat too has thus acquired a pan-India status within a short span of 08 years.

YEAR OF ADMISSION	NUMBER OF STATES
2004-05	5
2005-06	10
2006-07	9
2007-08	14
2008-09	14
2009-10	16
2010-11	16
2011-12	20

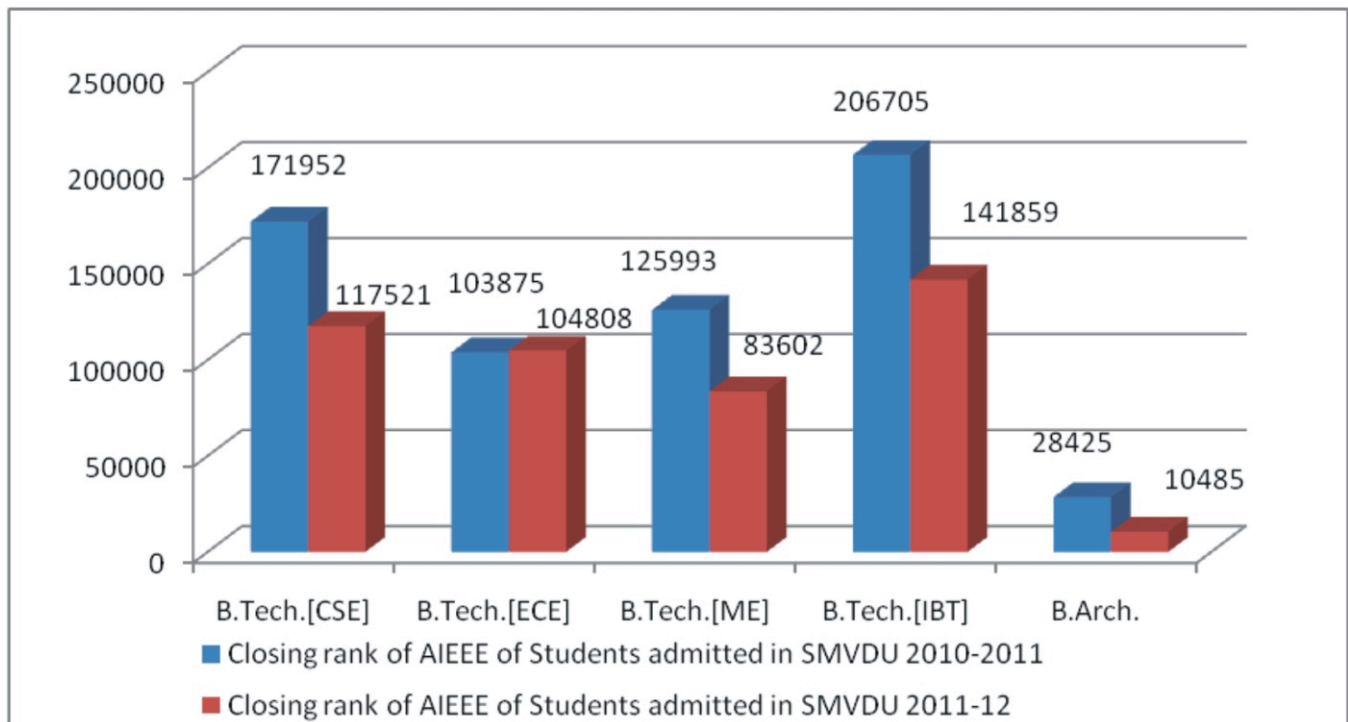


Over the last 08 years, SMVDU has considerably improved in its ranking in B.Tech. Admissions, this year as compared to last year out of the 280 seats on offer, 246 students were admitted directly through CCB.

YEAR OF ADMISSION	NUMBER OF ADMISSIONS THROUGH CCB	NUMBER OF DIRECT ADMISSIONS
2004-05	12	0
2005-06	72	34
2006-07	154	81
2007-08	183	35
2008-09	81	134
2009-10	64	198
2010-11	116	146
2011-12	246	22



Also in terms of Closing Rank of AIEEE, there has been considerable improvement over the last Academic Session, as is evident from the details listed below:





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### **Faculty Positions**

During the reporting year, 4 Professors, 2 Associate Professors, 87 Lecturers/Assistant Professors have been working in different Schools of University.

### **Seminars/ Symposia/ Workshop/ Symposia/Short Term Courses Organised**

During 2011-12, 3 International Conference/ Symposia and 12 Symposia/ Workshop/ Short Term Courses at national level were conducted by different Schools and Centres of the University. (Annexure-I)

### **Seminars/ Symposia/ Workshop/ Short Term Courses Attended by Faculty**

During 2011-12, the Faculty members presented papers in 107 seminars/ symposia and workshops held in India and abroad. (Annexure-II)

### **Research Programmes**

#### **Doctoral Programmes**

Forty Research Scholars were registered for the Ph.D programme during the year. The total numbers of research scholars as on 31.07.2012 were 89.

#### **Research Projects**

During the year under report, 28 sponsored research projects were carried out under various stages of execution in the University Schools. (Annexure-III)

#### **Publications of Faculty**

The Faculty members published 169 research papers in reputed national and international journals during the year. (Annexure- IV)

### **Finance**

During the period, UGC sanctioned Rs.1103 lacs as one time grant to the university in the XI Plan. Out of the approved grant, Rs.2.5 crore as General Development Grant, 251.85 lacs under the Merged Schemes and Rs. 90 lacs as an Additional Assistance Scheme has been released to the University.

### **General Information**

The Executive Council, Academic Council and the Finance Committee met during the period under report as indicated below:

Executive Council :14.11.2011

Academic Council :30.04.2012

Finance Committee : 29.07.2011,03.11.2011

## University At A Glance

1	Location	Katra, Distt. Reasi, J&K	38 Kms North of Jammu, the winter capital of J&K
2	Year of Establishment	12 May, 1999	Established through an act of J&K State Legislature known as "Shri Mata Vaishno Devi University Act (Act no XII) 1999.
3	Date of Inauguration	19 August, 2004	H.E. Dr. A.P.J Abdul Kalam, former President of India delivered the First lecture to the First batch of students.
4	Total land area	470 acres	A mesmerizing valley symbolizing omniscience of Goddess with a view of the abode of Goddess Durga from each zone.
5	Zones	5 zones	Administrative Zone Academic Zone Residential Zone for Faculty, Staff, Girls Hostels & University Guest House. Residential Zone for boys Recreation Zone & Sports Complex
6	Infrastructure	Helipad Auditorium Sanskriti Kaksh Seminar Rooms	Three Helipads Matrika Auditorium with 1000 seating capacity. State of the art stage, audio & video projection system. A mini auditorium with 400 seating capacity. Four specially designed Seminar Rooms with 200 seating capacity for special lectures, seminars & other interactive sessions.
7	Cells/Centres	Telecommunication Centre Network Centre Publication & Media Cell Maintenance Cell Gender Sensitization Committee against Sexual Harassment	BSNL ISDN (Integrated Service Digital Network) 512 line telephone exchange and a mobile tower. Siemens Hipath 4300 to Hipath 4000 V2.OE Simplex IP reading communication server with 336 Analog Extensions, 24 Digital Extensions and 24 trunk lines with CLIP facility on each extension. IBM, Sun Solaris servers running latest software like MS – Windows 2003 & Red Hat Linux EE. Reliance link for internet connection 10 mbps. Publication of Prospectus, UG and PG study courses, MBA Brochure, B.Tech. Brochure, Arth Anvesan, Annual Report, Chronicle, Numerous Leaflets, Booklets and Posters. Media Coverage of the events organized in the University. Maintenance and repair of the computer hardware and its related accessories of the whole campus. Gender Sensitization and Orientation Crisis Management and Mediation Formal Enquiry and Redressal
8	Number of Colleges	Four	College of Engineering College of Humanities & Social Sciences College of Management College of Sciences
9	Number of Schools	Fourteen	School of Architecture & Landscape Design School of Bio Technology School of Biology & Chemistry School of Business School of Computer Science Engineering School of Economics School of Electronics & Communication Engineering School of Infrastructure Tech & Resource Mgt. School of Innovation & Community Development School of Languages & Literature School of Mathematics School of Mechanical Engineering School Philosophy & Culture School of Physics
10	Total No. of Faculty Members	Ninety two	
11	Courses Offered	Fifteen	B.Tech, M.Tech, M.A, M.Sc,, Ph.D
12	Research Centres	Three	Centre of Bioinformatics Centre for Embedded Instrumentation & Networked Controls Research and Development Cell in the School of SALD
13	Amenities	Medical Aid Centre J&K Bank Ltd. OBC Bank Post Office	Shopping Complex Café & Eating Points Delhi Public School SMVDU Officer's Club Officer's Club Ladies Wing Children's Library Fountain Park Children's Park

## Milestones Since Inception

S.no.	Date	Event
1	November, 2011	Third Convocation addressed by Smt. Pratibha Devi Singh Patil, H.E., President of India
2	September 2011	MoU signed with Micro Small Medium Enterprise Development Institute, Jammu
3	September 2011	Initiation of Student Merit-Cum-Means Scholarship Scheme
4	March 2011	The Foundation Stone laid of Residential Block by H.E. Sh. N.N. Vohra, Governor J&K & Chancellor SMVD University
5	March 2011	Inauguration of Mass Array Genetic Analysis System Laboratory in the field of Bio-Technology by H.E. Sh. N.N. Vohra, Governor J&K & Chancellor SMVD University
6	August 2010	MoU signed with IIM, Jammu
7	August 2010	Setting up Of School Of Biology & Chemistry
8	July 2010	Setting up of School Of Innovation & Community Development
9	March 2010	TCS Accredited the University for Campus recruitment of students
10	Jan 2010	Prof. R.N.K Bamezai took over as 3 <sup>rd</sup> Vice Chancellor of University
11	Dec 2009	Sanctioning of grant-in-aid under XI Plan by UGC of 10 crores (approx.) to the University
12	Dec 2009	Inauguration of Central Library by H.E. Sh. N.N. Vohra, Governor J&K & Chancellor SMVD University
13	Dec 2009	Inauguration of School of Architecture & Landscape Design by H.E. Sh. N.N. Vohra, Governor J&K & Chancellor SMVD University
14	Nov 2009	Second Convocation addressed by Sh. N.R. Naraynan Murthy, Chairman Infosys
15	June 2009	12(B) status accorded to University by University Grants Commission
16	June 2009	Central Workshop Inaugurated by Jenab Omar Abdullah, Hon'ble Chief Minister, J&K
17	April 2009	MoU signed with Thapar University, Patiala
17	March 2009	MoU signed with Kurukshetra University
18	March 2009	Neelgiri Boys Hostel inaugurated by H.E. Sh. N.N. Vohra, Governor J&K
19	Nov 2008	MoU signed with Prathista Industries Ltd. Hyderabad
20	Oct 2008	Inauguration of New Academic Block by H.E. Sh. N.N. Vohra, Governor J&K & Chancellor SMVDU
21	April 2008	First Convocation addressed by Hon'ble Prime Minister of India, Dr. Man Mohan Singh
22	March 2008	Inauguration of "MATRIKA" Auditorium by Lt Gen (Retd.) S.K. Sinha, PVSM, Former Governor of J&K
23	Jan 2008	Inauguration of Vaishnavi hostel by Lt. Gen (Retd.) S.K. Sinha PVSM, Former Governor of J&K
24	August 2007	MoU signed with State Forest Research Institute, Jammu & Kashmir for joint Research on Bamboo under the National Bamboo Mission
25	August 2007	MoU signed with Micro, Small & Medium Enterprise (MSME) Development Institute Jammu to create Business Skill Development Program
26	July 2007	MoU signed with Ruhr University, Bochum Germany
27	March 2007	MoU signed with Kun Shan University Taiwan, Taiwan
28	Dec 2006	MoU signed with Red Hat India Pvt. Ltd. Delhi to provide training to the students on latest version of open source operating system. The MOU also offers a free training to five faculty members for five days
29	Oct 2006	Inauguration of Shivalik hostel by Gulshan Singh Chakraborty, Former Minister for PWD J&K
30	August 2006	Inauguration of New Administrative Block, 'Sanchalan Bhawan' by Lt Gen (Retd.) S.K. Sinha PVSM Former Governor of J&K
31	May 2006	MoU signed with Orel State Technical University, Orel Russia
32	June 2006	Council of Architecture approval to establish a School of Architecture & Landscape Design
33	May 2006	A.I.C.T.E. approval for running all engineering courses (CSE ECE ME)
34	May 2006	Passing out of the First batch students (2004 -2007)
35	March 2006	Inauguration of College of Sciences by Jenab Ghulam Nabi Azad, Former Chief Minister J&K
36	March 2006	Inauguration of Kailash Boys Hostel by Jenab Ghulam Nabi Azad, Former Chief Minister J&K
37	August 2005	Inauguration of College of Philosophy Culture & Languages by Dr. Karan Languages by Dr. Karan Singh Member Raiya Sabha
38	July 2005	Inauguration of Trikuta Hostel by Prof. N.K. Bansal, former Vice Chancellor SMVDU
39	May 2005	Inauguration of College of Management by Former Governor, Lt Gen (Retd.) S.K. Sinha, PVSM, Former Governor of J&K.
40	April 2005	MoU signed with Aachen University of Applied Sciences, Germany for Student and Faculty Exchange and Joint Research
41	March 2005	MoU signed with Regional Research Laboratory, Jammu
42	August 2005	MoU signed with TIT Delhi for Student and Faculty Exchange Programme and joint research
43	2005	Adaptation of Academic Pattern of IIT's
44	August 2004	Inauguration of College of Engineering by Dr. A.P.J Abdul Kalam, Former President of India
45	August 2004	Inauguration of the University by Dr. A.P.J Abdul Kalam, Former President of India



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## Governing Bodies

### Members of the Executive Council.

1	Sh. N.N.Vohra His Excellency The Governor, J&K & Chancellor, SMVD University	2	Prof. R.N.K. Bamezai Vice-Chancellor, SMVD University
3	Prof. Mohan Paul Singh Ishar Vice-Chancellor, University of Jammu	4	Prof. Talat Ahmed Vice Chancellor, University of Kashmir
5	Prof. Vinayshil Gautam Department of Management Studies, IIT Delhi, New Delhi	6	Shri Rajendra. S. Pawar Chairman, NIIT Ltd., Gurgaon, Haryana
7	Sh. Navin K Choudhary, IAS Chief Executive Officer, SMVDSB & Principal Secretary to HEG, J&K	8	Prof. V.S. Raju Former Director, IIT Delhi,
9	Prof. V.Verma Director School of Biotechnology, SMVD University	10	Dr. Vipan Kakkar Dean of Students & Director School of ECE- SMVD University
11	Prof. Dinabandhu Mukhopadyay Dean, College of Management SMVD University	12	Dr. V. K.Bhat Director School of Mathematics SMVD University
13	Ms. Roop Avtar Kour, IFS Registrar SMVD University		

### Members of the Academic Council.

1	Prof.(Dr.)R.N.K.Bamezai Vice Chancellor <b>(Chairman)</b>	2	Dr. P.K.Jain, Professor, Department of Mechanical & Industrial Engineering, Indian Institute of Technology Roorkee <b>(External Member)</b>
3	Ar. J.K.Gupta Director, College of Architecture, IET Bhaddal <b>(External Member)</b>	4	Dr. M. Gopal, Professor, Department of Electrical Engineering, Indian Institute of Technology Delhi <b>(External Member)</b>
5	Dr.B.H.Boruah, Professor of Philosophy, Department of Humanities & Social Sciences, Indian Institute of Technology – Kanpur <b>(External Member)</b>	6	Dr.Vipan Kakkar Dean of Students & Director School of Electronics & Communication Engineering. <b>(Ex-Officio Member)</b>

7	Mr. Subrata Deb Librarian ( <b>Ex-Officio Member</b> )	8	Prof.(Dr.)M.L.Garg Dean, College of Engineering & College of Humanities and Social Sciences ( <b>Ex-Officio Member</b> )
9	Prof. (Dr.) V.Verma Dean, College of Sciences ( <b>Ex-Officio Member</b> )	10	Prof. (Dr.) Dinabandhu Mukhopadhyay Dean, College of Management ( <b>Ex-Officio Member</b> )
11	Prof. C.L.Razdan Director, School of Architecture & Landscape Design ( <b>Ex-Officio Member</b> )	12	Dr.V.K.Bhat Director, School of Mathematics ( <b>Ex-Officio Member</b> )
13	Dr. (Mrs.) Vandhana Sharma, Director I/c, School of Languages & Literature ( <b>Ex-Officio Member</b> )	14	Dr.S.K.Wanchoo Director I/c, School of Innovation & Community Development ( <b>Ex-Officio Member</b> )
15	Dr.Yugal.Khajuria Director I/c, School of Physics ( <b>Ex-Officio Member</b> )	16	Mr. Balbir Singh Director I/c, School of Mechanical Engineering ( <b>Ex-Officio Member</b> )
17	Mr.Rakesh Sharma Director I/c, School of Infrastructure Technology & Resource Management. ( <b>Ex-Officio Member</b> )	18	Ms.Roop Avtar Kour Registrar, SMVDU ( <b>Secretary</b> )

### Members of the Finance Committee

1	Prof.R.N.K.Bamezai, Vice Chancellor, SMVD University, (Chairman).	2	Shri Navin. K.Choudhary , IAS, Chief Executive Officer, Shri Mata Vaishno Devi Shrine Board, Katra, Member (ex-officio).
3	Dr. Mandeep. K. Bhandari, IAS, Addl. Chief Executive Officer, Shri Mata Vaishno Devi Shrine Board, Member (ex-officio).	4	Shri Rohit K. Khajuria, Chief Accounts Officer, Shri Mata Vaishno Devi Shrine Board, Member (ex-officio).
5	Shri Raj. K.Goyal,IAS Principal Resident Commissioner, Govt. of J&K,New Delhi Member	6	Shri Manoj K.Dwivedi, IAS Commissioner/Secretary to Govt. Govt. of J&K Member
7	Shri Ravi Magotra, KAS, Director General Budget, Finance Deptt., J&K Govt., Member.	8	Shri S.K. Sadhotra, KAS, Finance Officer, Shri Mata Vaishno Devi University, Member- Secretary.

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### Members of the Building & Works Committee

1	Prof. R.N.K. Bamezai, Vice Chancellor, SMVD University, (Chairman).	2	Dr. Mandeep K. Bandari, IAS, Addl. Chief Executive Officer, Shri Mata Vaishno Devi Shrine Board, Katra, Member (ex-officio).
3	Sh. H.L. Maini, Technical Advisor, SMVD University, Special Invitee.	4	Prof. Dinabandhu Mukhopadhyay, Dean, College of Management
5	Prof. M.L. Garg, Dean, College of Engineering, SMVD University, Member.	6	Prof. C.L. Razdan, I/c, Works & Estates, SMVDU & Director, SALD, SMVDU, Member (ex-officio).
7	Sh. D.D. Gorkha, Superintending Engineer (SE), PWD Reasi, Member (ex- officio).	8	Sh. S.K. Sadhotra, KAS, Finance Officer, Shri Mata Vaishno Devi University, Member (ex-officio).
9	Sh. Kamal Sharma, University Engineer, SMVDU, Member (ex-officio).	10	Ms. Roop Avtar Kaur, IFS, Registrar, SMVDU, Member Secretary.

### The Board of Studies

In pursuance to the statutes 12(5) & 12(6) of the first statutes of the university, each school of the university has Board of Studies with the power and duties mentioned in the statutes of the university. The meeting of Board of Studies of different schools of the university in the period under review was held as under:

1. School of Architecture & Landscape Design- 24.02.2012
2. School of Biotechnology- 16.03.2012
3. School of Business- 13.03.2012
4. School of Business Economics- 13.03.2012
5. School of Biology & Chemistry-
6. School of Computer Science & Engineering- 21.03.2012
7. School of Electronics & Communication Engineering 09.03.2012
8. School of Infrastructure Technology & Resource Management- 2.02.2012 & 13.03.2012
9. School of Innovation & Community Development- 24.03.2012
10. School of Languages & Literature- 20.04.2012 & 02.06.2012
11. School of Mechanical Engineering- 15.03.2012
12. School of Mathematics- 24.02.2012
13. School of Physics- 5.03.2012
14. School of Philosophy & Culture- 16.02.2012



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# **SCHOOL OF ARCHITECTURE & LANDSCAPE DESIGNING**



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## School of Architecture & Landscape Design

### Courses Offered

Bachelor of Architecture 05 year course

### Faculty Strength

S.no	Name of Faculty	Designation	Qualification
1	Mr. Aditya Kumar Singh	Associate Professor & Director	M.L.A, E.M.I.B, B.Arch.
2.	Dr. Amit Sharma	Assistant Professor	Ph.D
3.	Mr. V.K Dogra	Assistant Professor	M.Tech, Ph.D (Pursuing)
4.	Ar. Abhney Gupta	Lecturer	B.Arch ,M.Arch (Pursuing)
5.	Ar. Arshia Khajooria Hazarika	Lecturer	M. Arch
6.	Ar. Vikas Bhola	Lecturer	M.L.Arch, PhD (Pursuing)
7.	Ar. Navin Gupta	Lecturer	B.Arch
8.	Ar. Abhimanyu Sharma	Lecturer	B.Arch, M. Arch (Pursuing)
9.	Ar. Anoop Sharma	Lecturer	B.Arch, M. Arch (Pursuing)

### Publications of Faculty Members

1. Arshia Khajooria Hazarika, Sumant Sharma, Anoop Sharma Urban transport: Repercussions and Remedy, Contemporary Architecture Beyond corbusierism, Macmillan Advanced research series by Sarbjit Bahga, Surinder Bahga & Archana Choudhary.
2. Arshia Khajooria Hazarika, Sumant Sharma, Anoop Sharma, Abhimanyu Sharma, "Methodologies for a desired Innovative Educational Environment", Descripto, An International Journal of Design, Published during International Conference on Sustainable Architecture (RASA-11) Jalandhar, August, 2011
3. Arshia Khajooria Hazarika, "Bioclimatic High rise for sustainable housing," Descripto, An International Journal of Design, Published during International Conference on Sustainable Architecture (RASA-11) Jalandhar, August, 2011

### Papers Presented in Conferences/Workshop/Short term Courses Attended by Faculty Members

1. Ashwani Kumar, Sumant Sharma, Anoop Sharma. New City Model to Reduce Demand for Transportation, International Conference on Green Buildings and Sustainable Cities-2011, University of Bologna, Italy. presented by Sumant Sharma
2. Arshia Khajooria Hazarika ,Sumant Sharma, Anoop Sharma. Urban Planning an ecological and cultural reflection, 11th International Congress Asian planning school association, 19th-21st sept. 2011, University of Tokyo, Japan, presented by Arshia Khajooria Hazarika.
3. Arshia Khajooria Hazarika, Sumant Sharma, Anoop Sharma, Abhimanyu Sharma. Descripto, Methodologies for a desired Innovative Educational Environment, An International Journal of Design, Published during International Conference on Sustainable Architecture (RASA-11) Jalandhar, August, 2011

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4. Arshia Khajooria Hazarika, Bioclimatic Highrise for sustainable housing, Descripto, An international Journal of Design, Published during International Conference on Sustainable Architecture (RASA-11) Jalandhar, August, 2011
  5. Arshia Khajooria Hazarika, Automation in Architecture ;Ushering an era of Energy efficiency at Young Architects Festival at Chandigarh ,Contemporary Architecture Beyond Corbusierism.

#### **Academic/Awareness Activities:**

1. Site visits of the students to the following places of architectural and historical relevance:
  - a. Site visit to Sidhra by Sem IX students on 24th August 2011 for Architecture Design
  - b. Site visit to Nadini Rani Talab by students of Sem V on Sept. 13th 2011 for Measure Drawing
  - c. Study Trip to Shimla from 2nd -5th October 2011 of students of Sem I and III and concerned Faculty members
  - d. Site visit to Nadini Rani Talab by students of Sem V on Nov. 5th 2011 for Measure Drawing
  - e. Evaluation of Architecture Design by external expert on 1/12/11
  - f. Site visit as a extension of Architecture Design was conducted by the course coordinators of Semester 2<sup>nd</sup> and Semester 6<sup>th</sup> to Channi Himmat and Akhnoor road Royal Palm apartment construction site on 3-02-2012

#### **Laboratory Infrastructure**

1. Computer Lab.
2. Servey Lab.
3. Climatology Lab.
4. Model Making Lab.



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# SCHOOL OF BIOTECHNOLOGY



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## School of Biotechnology

### Courses Offered

B.Tech Industrial Bio-Technology  
M.Sc. Bio Technology  
Ph.D.

### Faculty Strength

S. No.	Name	Designation	Qualification
1	Prof. V. Verma	Professor & Dean	Ph. D
2	Dr. Sharada M. Potkuchi	Assistant Prof.	Ph. D, Post Doc.
3	Dr. Ratna Chandra	Assistant Prof.	Ph. D
4	Dr. S. Vaishnavi	Lecturer	Ph. D
5	Mr. Parvez S. Slathia	Lecturer	M. Sc., NET
6	Dr. Preeti Sharma	Lecturer	Ph. D
7	Mr. Arvind Yadav	Lecturer	M.Tech
8	Dr. S. Rasool	Lecturer	Ph. D.
9	Dr. Indu Bushan	Associate Lecturer	Ph. D

### Conferences /Workshops/Seminars Organized

1. Workshop on Hands-on Training in Bioinformatics; Bioinformatics Centre, School of Biotechnology, Shri Mata Vaishno Devi University, Kakryal 30.08.2011 to 04.09.2011, 6 days (Organized by Dr. Sharada M. Potukuchi & Dr. Samantha Vaishnavi in collaboration with faculty from BCS InSilico Biology, Lucknow)
2. BTISNet XXIII Annual Bioinformatics Coordinators Meeting with the Focal Theme: Bioinformatics in 21<sup>st</sup> Century-looking ahead; Bioinformatics Centre, School of Biotechnology, Shri Mata Vaishno Devi University, Kakryal, 3-4 Feb. 2012 (Coordinator of the meeting: Prof. V. Verma).
3. International Symposium on Biotechnological Advances Cancer Biology held in SMVDU (ISBAICB-2012) School of Biotechnology, Shri Mata Vaishno Devi University, Kakryal and National Center of Applied Human Genetics, JNU, New Delhi, 13 Feb. 2012 (Organizing Secretary: Dr. Samatha Vaishnavi).

### Publications of Faculty Members

1. BA Akhoun, PS Slathia, P Sharma, SK Gupta and V. Verma (2011) In silico identification of novel protective VSG antigens expressed by Trypanosoma brucei and an effort for designing a highly immunogenic DNA vaccine using IL-12 as adjuvant. Microbial Pathogenesis; 51(12): 77-87.
2. A Kumar, P Bisht, A Gupta, SM Potukuchi and AK Srivastava. (2011). Comparative Modeling Study of RNA Polymerase C of Hypericum perforatum. Journal of Computational Intelligence in Bioinformatics; 6(1): 47-54.

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3. SN Raina, S Jain, D Sehgal, A Kumar, TH Dar, V Bhat, V Pandey, S Vaishnavi, A Bhargav, V Singh, V Rani, R Tandon, M Tewari and A Mahmoudi (2011) Diversity and relationships of multipurpose seabuckthorn (*Hippophae* L.) germplasm from the Indian Himalayas as assessed by AFLP and SAMPL markers. *Genetic Resources and Crop Evolution*, pp.1-2 DOI: 10.1007/s10722-011-9742-1.
  4. I Bhushan, A Kumar, G Modi and S Jamwal. (2011) Chiral resolution of differently substituted racemic acetyl-1-phenyl ethanol using lipase from *Bacillus subtilis*. *Journal of Chemical Technology and Biotechnology*; 86(2): 315-318.
  5. I.Bhushan, A.K.Yadav and R.Parshad (2011) Enhancement in the production of lipase from *Arthrobacter* sp. using fed- batch fermentation strategy. *Asiatic Journal of Biotechnology Resources*; 2 (5) 522-534.

#### **Papers Presented in Conferences /Workshop/Short term Courses Attended by Faculty Members**

1. PS Sathia and P Sharma. Prediction of common epitopes in E-protein of West Nile Virus and Japanese Encephalitis virus for DNA vaccine design. 7<sup>th</sup> J&K State Science Congress, University of Jammu, Jammu, 13-15 Oct. 2011.
2. PS Slathia, D Sharma, Deepika and P Sharma. Ethanol production from wheat straw using *Trichoderma* as a cellulose source in simultaneous saccharification and fermentation mode. International Conference on New Horizons in Biotechnology, Trivandrum, Kerala, 21-24 Nov. 2011.
3. S Mallubhotla, R Khandelwal, B Singh, H Raina, M Sharma and V Verma. Establishment of culture lines, protein estimation and phytochemical analysis in *Hypericum perforatum* (Linn.). National Conference on Emerging Trends in Medical Biotechnology & Nanotechnology (ETMBN-2011), Arni School of Basic Sciences, Arni University, Kangra (H.P.), 3-4 Dec. 2011: pp. 49.
4. I Bhushan. 2011. Production, characterization and partial purification of lipase from *Bacillus subtilis* (MTCC121) for resolution of the racemic resolution of chiral drug intermediates. National Conference on Emerging Trends in Medical Biotechnology & Nanotechnology (ETMBN-2011), Arni School of Basic Sciences, Arni University, Kangra (H.P.), 3-4 Dec. 2011: pp 32.
5. M Sharma, H Raina, A Ahuja, V Verma and S Mallubhotla. Synthetic seeds a viable approach for conservation and propagation of phytoremediant herb - *Bacopa monnieri* (L.) Wettst. 4<sup>th</sup> International Congress of Environmental Research (ICER-11), SVNIT, Surat, Gujarat, 15-17 Dec. 2011.
6. Potukuchi, SM. Contributed chapter Protoplast Isolation in the Training Manual under the Plant Tissue Culture Section, during Short-Term Course on Cytogenetics, Plant Molecular Genetics and Tissue Culture conducted by the Department of Botany at P.G. College of Science, Osmania University, Saifabad, Hyderabad from 2-13 Jan. 2012: pp 57-58.
7. PS Slathia and P Sharma. Designing an epitope based DNA vaccine for Pneumococcal meningitis using the predicted conserved epitopes in the variants of PspA protein of *Streptococcus pneumoniae*. National Symposium on Bioinformatics: Challenges in the post-genomic era, Bioinformatics Center, School of Biotechnology, University of Jammu, Jammu; 2 Feb. 2012: pp 38.

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8. P Sharma and PS Slathia. Predicting the MHCI and MHCII epitopes in Amastin protein of Trypanosoma brucei and designing of an immunogenic DNA vaccine. National Symposium on Bioinformatics: Challenges in the post-genomic era, Bioinformatics Center, School of Biotechnology, University of Jammu, Jammu; 2 Feb. 2012: pp 48.
  9. P Sharma and PS Slathia. Isolation and characterization of phytase enzyme from probiotic strain, an isolate from rice bran. Second National Conference on Biotechnology, Bioinformatics and Bioengineering, Society for Applied Biotechnology, Kolhapur, Maharashtra, 24-25 Feb. 2012: pp 33.
  10. Potukuchi SM. Short-Term Course on Nuclear Radiations & their Applications conducted by the Applied Science Department at National Institute of Technical Teachers Training and Research (NITTTR), Chandigarh; 12-16 September 2011.
  11. Verma V. Meeting on collaboration work on DNA fingerprinting of Medicinal Plants with M/s Dabur India Ltd., Ghaziabad; 22-25 September 2011.
  12. Potukuchi SM. Brain Storming Meeting of Scientists working on relevant aspects of Saffron in different Institutions/Organizations at Center of Research & Development (CORD) University of Kashmir, Srinagar; 17 October 2011.
  13. Potukuchi SM. DBT sponsored/supported Short-Term Course on Cytogenetics, Plant Molecular Genetics and Tissue Culture conducted by the Department of Botany at P.G. College of Science, Osmania University, Saifabad, Hyderabad; 2-13 January 2012.
  14. Potukuchi SM. National Symposium on Bioinformatics: Challenges in the post-genomic era. Bioinformatics Center, School of Biotechnology, University of Jammu, Jammu; 2 February 2012.
  15. Vaishnavi S. National Symposium on Bioinformatics: Challenges in the post genomic era. Bioinformatics Center, School of Biotechnology, University of Jammu, Jammu; 2 February 2012.

#### **Academic/Awareness Activities**

1. Potukuchi SM Visit to IIIM, Jammu for the conduct of Practical experiments of Immunology course for ten students of B. Tech. (IBT) Sem V from 15-19 November 2011 under the Course EBTP 301B.
2. Potukuchi SM and Vaishnavi S. Demonstrated experiments in Plant Biotechnology to class IX, X, & XI students of Higher Secondary School, Panthal; on the occasion of National Science Day on 28<sup>th</sup> Feb. 2012.
3. Sharma P. Visited Indian Association of Parliamentarians on Population and Development; accompanying participating students for 7th Sat Paul Mittal Inter University debate competition organized by IAPPD, New Delhi; 11-12 November 2011.

#### **Academic Achievements/Lectures/Talks Delivered By Faculty Members**

1. Potukuchi, SM. Resource Person for experimental practical session on Protoplast isolation during Short-Term Course on Cytogenetics, Plant Molecular Genetics and Tissue Culture conducted by the Department of Botany at P.G. College of Science, Osmania University, Saifabad, Hyderabad from 2-13 Jan. 2012.



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## Research Projects

S. No.	Title of project	Funded by	Duration	Grant amount (Rs.)
1.	Establishment of Bioinformatics Infrastructure (BIF) for the promotion of Biology Teaching through Bioinformatics	Apex Bioinformatics Centre, Dept. of Biotechnology, New Delhi	2007-2012	34 Lakhs
2.	DNA fingerprinting of selected medicinal plants	Dabur India Ltd., New Delhi	2009-2011	5.0 Lakhs
3.	V-SAT enabled Mobile e-Learning Terminals	MHRD, Nationally Coordinated Research Project, Govt of India	2009-2013	Joint project
4.	Integrated approach for Bamboo improvement: micropropagation, agroforestry, cultivation	National Bamboo Mission, Govt. of India, New Delhi	Under MOU with SFRI, Jammu	20.0 Lakhs
5.	UGC SAP DRS-I	University Grants Commission, Govt. of India	2011-2016	64.74 Lakhs
6.	UGC SAP Additional Grant	University Grants Commission, Govt. of India	2011-2012	20 Lakhs
7.	Exploring <i>Myxobacteria</i> from the state of Jammu and Kashmir for novel enzymes and secondary metabolism	Department of Science & Technology (under Fast track Scheme), Govt. of India, New Delhi	2011-2014	19.63 Lakhs
<b>Total</b>				<b>163.37 Lakhs</b>

## Awards

1. Potukuchi, SM. Fellow Award 2011 in recognition for outstanding achievements and contributions in the field of Plant biotechnology by Society for Applied Biotechnology.

## Laboratory Infrastructure

1. Molecular Biology Research Lab.
2. Microbiology Research Lab.
3. Bioinformatics Centre.
4. Tissue culture Lab.
5. Chemistry Lab-I.
6. Chemistry Lab-II.
7. Biotechnology Laboratory
8. Microbiology Laboratory
9. Molecular biology Laboratory
10. Mass Array Lab.

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## School of Biology & Chemistry

### Courses Offered

Ph.D. Programme

### Faculty Strength

S. No.	Name	Designation	Qualification
1	Dr. Anil Kumar	Lecturer	Ph.D,

### Publications of Faculty Members

1. Vijai K. Rai, Prashant Kumar Rai, Swati Bajaj and Anil Kumar, 2011, An unprecedented synthesis of  $\gamma$ -lactams via mercaptoacetylation of aziridines in water Green Chem., 13, 1217-1223,.
2. Anil Kumar and Kamal K. Kapoor, 2011, Antimony chloride immobilized on neutral alumina: an efficient catalyst for the solvent-free selective synthesis of 1,2-disubstituted benzimidazoles, , Journal of Chemical and Pharmaceutical Research 3(6) 369-374.
3. Vijai K. Rai, Priya Tikku, Anil Kumar, 2012, An Efficient Ce(III)-Catalyzed Cis-Selective Synthetic Approach to  $\gamma$ -Lactones in Aqueous Media, Synthetic communication 42: 14891499.

### Papers Presented in Conferences /Workshop/Short term Courses Attended by Faculty Members

1. Anil Kumar: Presented poster entitled Expedient synthesis of functionalized tetrahydropyridines in Chemical Research Society of India, North Zone meeting, 2011 University of Jammu, Jammu during September, 22-24, 2011.
2. Anil Kumar: Presented paper in National Symposium on Chemistry Innovations For Human Well Being (CHIW 2011) organized by Department of Chemistry, Himachal Pradesh University Shimla October 21-22, 2011.

### Research Projects

S. No.	Title of project	Funded by	Duration
1.	Enantioselective Synthesis and Biological Screening of some New $\beta$ -Blockers	UGC-New Delhi	2011
2.	Access to potentially antiviral novel nucleosides using microwave methodology	UGC-New Delhi	2011
3.	Access to novel imino-/thiosugar scaffolds from renewable bioresources	UGC-New Delhi	2011
4.	NHC-/enamine-iminium catalysis in stereocontrolled construction of bioactive scaffolds.	UGC-New Delhi	2011
5.	Organocatalytic asymmetric Mannich/ Intramolecular cyclization as formal [3+2] cycloaddition: One-pot synthesis of substituted pyrrolidine ring systems	UGC-New Delhi	2011

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# SCHOOL OF BUSINESS



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## School of Business

### Courses Offered

MBA  
Ph.D. Programme

### Faculty Strength

S. No.	Name	Designation	Qualification
1	Prof. D. Mukhopadhyay	Professor & Dean	Ph.D
2	Dr. Sunil Giri	Assistant Professor	Ph.D
3	Dr. Jyoti Sharma	Assistant Professor	Ph.D
4	Dr. Sushil Mehta	Assistant Professor	Ph.D
5	Dr. H.G. Mishra	Assistant Professor	Ph.D
6	Dr. Deepak Jain	Lecturer	Ph.D
7	Mr. Sanjay Kumar Mishra	Lecturer	Ph.D
8	Ms. Arti Devi	Lecturer	MBA,NET, Pursuing Ph.D
9	Ms. Rashmi Taggar	Lecturer	MBA, Pursuing Ph.D
10	Ms. Shazia Bukhari	Lecturer	MBA, Pursuing Ph.D

### Conferences/Seminars/Workshops organized

1. Executive Development Program in Supply Chain Management from 23<sup>rd</sup> to 25<sup>th</sup> Sep, 2011
2. Retail Management Field Trip to Udhampur on 28<sup>th</sup> Feb, 2012 for MBA final semester students.
3. A guest lecture titled 'Creating Sharing Mindsets for Effectiveness: Some Reflections' by internationally acclaimed academician, (Prof. Vinayshil Gautam, presently AAI-Sagar Chair Professor Emeritus at Department of Management, IIT Delhi, Ex-director IIM Khozicode).
4. A panel discussion on the burning topic 'Corporate and Corruption' was organized on 8<sup>th</sup> Sep 2011 by MarketINE (The Marketing Club)

### Publications of Faculty Members

1. S Giri, H.G.Mishra,V Sharma, 2011 Software Buying Behavior of Consumer: A Factor Analysis Approach, IEEE, ISBN 978-0-7695-4437-3/11, PP 668-672.
2. Deepak Jain. Importance-Satisfaction Assessment A Case of Jammu & Kashmir Tourism, Contemporary Management Vol.: 5(2) (July December 2011): ISSN No. 0974-4002 Pg. 22-44.
3. Deepak Jain. Explore the Relationship Between Occupational Stress And Organizational Commitment Among Nurses of Government Hospitals in Jammu Region in National Conference on Futuristic Trends in Business Management 6M's Vol.:2 (September 2011): ISSN No. 2230-7907 Pg. 8-13.



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4. Deepak Jain, Impact of Malls on Conventional Retail Formats Small Shops & Hawkers: A Study of Jammu City. *Gyan Management* Vol.: 5(2) (July – December 2011): ISSN No. 0974-7621 Pg. 91-101.
  5. Deepak Jain. Shoplifting – An Exploratory Study of Jammu City. *Advances In Management* Vol.: 4(8) (August 2011): ISSN No. 0974-2611 Pg. 57-65.
  6. Deepak Jain, Visitor's Importance – Satisfaction Analysis of Tourist Destination – A Case of Jammu & Kashmir Tourism. *ASB Journal of Management* Vol.: 4(1) (2011): ISSN No. 0974-8512 Pg. 1-24.
  7. Jyoti (2011), Workaholism and its Correlates: A Study of Academicians, (co-authored Parul Sharma), *International Journal of Management and Business Research* (Indexed with Index Copernicus, journal seeker, WorldCat, etc.), Vol. 1(3).
  8. Jyoti (2011), A Study of Personal and Organizational Factors as Determinants of Coping Style of Employees (co-authored Suparn Sharma), *International Journal of Management Practice*, UK, Vol. 4 (4) (Inderscience Journal).
  9. Jyoti (2011), Work Addiction: A Slow Poison, *Journal of Economics and Behavioural Studies*, (co-author Parul), Vol. 2(3), March (Indexed in EBSCO)
  10. S K Mehta & N Aggarwal, The Effect of Demographics on Investment choice: An Empirical – Study of Investors in Jammu in *Indian Journal of Finance*, New Delhi, October, 2011, p. 43-55.
  11. S K Mehta, H G Mishra, A Singh, (2011) Role of Self Help Group in Socio -Economic – Change of Vulnerable Poor of Jammu Region *IEEE*, ISBN 978-1-4244-9308-1, Singapore, PP 529-534.
  12. H G Mishra, S Singh, (2011) Explore the change of eating habits due to Television – Commercial and directly effect on obesity of teenager of Jammu 2<sup>nd</sup> International Conference on Business & Information organized by University of Sri Lanka published in conference proceeding ISBN :978-955-9044-96-3.
  13. H G Mishra, A Singh, (2011) Variables Discriminating Consumption Pattern of Baby Care Products Adults of Jammu region *IEEE*, ISBN- 978-1-4244-9308-1, Singapore, PP 355-358.
  14. K Mishra, Sanjay and Manoj Kumar, 2011 How Mutual Fund Investors Objective & Subjective Knowledge Impacts their Information Search and Processing Behavior, *Journal of Financial Service Marketing* (Palgrave McMillan), Vol. 16, No. 1, 27-41 (Indexed in Scopus, EBSCO).
  15. K Mishra, Sanjay and Manoj Kumar, 2011 How Product Importance Perception, Need for Cognition and Enduring Involvement Influence Investors' Knowledge of Investment Products? *Journal of Modern Accounting and Auditing* (David Publishing Company, US), Vol. 7, No.9, 920-33 (Indexed in EBSCO, CABELL).
  16. K Mishra, Sanjay and Manoj Kumar, 2011 How Mutual Fund Investors Objective & Subjective Knowledge Impacts their Information Search and Processing Behavior, *Journal of Financial Service Marketing* (Palgrave McMillan), Vol. 16, No. 1, 27-41 (Indexed in Scopus, EBSCO).
  17. K Mishra, Sanjay and Manoj Kumar, 2011 How Product Importance Perception, Need for Cognition and Enduring Involvement Influence Investors' Knowledge of Investment Products? *Journal of Modern Accounting and Auditing* (David Publishing Company, US), Vol. 7, No.9, 920-33 (Indexed in EBSCO, CABELL).

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18. Jyoti Sharma and Arti Devi, (2011) Role Stress among Employees: An Empirical Study of Commercial Banks, Gurukul Business Review, Haridwar, Vol.7, Spring, pp. 53-61.
  19. Jyoti Sharma and Arti Devi(2011) Individual Differences and Stress at Workplaces, Journal of Asia Pacific Business Review, Vol. VII, No. 3, pp. 198-207.
  20. A Singh, S K Mehta, & H G Mishra, TRP As a Measure of Visual Communication: A Study of Jammu City, India, Revista de Administratie Publica si Politici Sociale, An III, Nr. 2(7)/Decembrie 2011, p. 122-137.
  21. Amrinder Singh, Sushil Kumar Mehta, H G Mishra, (2011) Viewership Choice in Jammu City, GITAM Journal of Management Vol.9 No.1 pp 141-155.
  22. Anil Tandon, K Mishra, Sanjay and Eroz Singh, (2011) What Discriminates the Prospective Manager's Attitude towards Corporate Social Responsibility? An Insight from Psychological Variables IUP Journal of Corporate Governance, Vol. 10, No.3, 2011, 52-70 (Indexed in EBSCO).
  23. Anil Tandon, K Mishra, Sanjay and Eroz Singh, (2011) What Discriminates the Prospective Manager's Attitude towards Corporate Social Responsibility? An Insight from Psychological Variables IUP Journal of Corporate Governance, Vol. 10, No.3, 2011, 52-70 (Indexed in EBSCO).
  24. D. Mukhopadhyay, Ignorance Minimization-A Tool for Business Performance Improvement (2011) published by Edition, Kolkata, meant for Researchers in the Field of Management and Corporate Captains.
  25. H.G.Mishra, Evaluation of Agriculture crops of Jammu a Linear Programming Approach, LAMBERT Academic Publishing, Germany (2011) 978-8454-3575-6.26. Deepak Jain Unorganized Retailing in India: An Illustrative Approach, Germany, VDM Verlag Dr. Muler GmbH & Co. KG. ISBN: 978-3-639-34092-1.

**Paper Presented in Conferences/Workshops/Short term Courses Attended by Faculty Members**

1. Arti Devi presented The Phenomenon of Role Stress: A Study of Commercial Banks in International Conference on Stress: Paradigm Shifts in Technology and Allied Sciences organized jointly by IISMAAS and IIHMR at Dwarka, New Delhi, 27-28 December, 2011.
2. Hari Govind Mishra presented Consumers Impulse Buying Behavior in Relation to Visual Merchandising in International Conference in Marketing, **(IIM-L)** Shaping the future of Research in Emerging Economies Looking Ahead, January 12-14, 2012
3. Sanjay Kumar Mishra presented Inhibitors and Facilitators of Financial Inclusion: An Insight from Rural Bank Managers in Inaugural India Finance Conference, Indian Institute of Management Bangalore, Dec 21-23, 2011
4. Deepak Jain presented Explore the Relationship between Occupational Stress and Organizational Commitment among Nurses of Government Hospitals in Jammu Region in National Conference on Futuristic Trends in Business Management organized by Department of Business Studies, Padamsri Dr. B. V. Raju Institute of Technology **(Andhra Pradesh)**; 16<sup>th</sup> & 17<sup>th</sup> September 2011.
5. Sushil K Mehta presented Changing Trends of Taxes and Public Debt in India in International Conference on Business & Information in The Faculty of Commerce and Management Studies, University of Kelaniya, Sri Lanka on 20<sup>th</sup> Oct., 2011.

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6. Sushil K Mehta presented Enterprising Jammu through Microfinance in Eleventh Global Conference on Flexible Systems Management at IIM, Kozhikode from 9-12 December, 2011.
  7. Sanjay Kumar Mishra presented Inhibitors and Facilitators of Financial Inclusion: An Insight from Rural Bank Managers in India Finance Conference 2011, Indian Institute of Management Bangalore, Dec 21-23, 2011.
  8. D. Mukhopadhyay and P.K.Jena presented, Adoption of Banking Technologies in Jammu and Kashmir Region of India: An Empirical Study in 3<sup>rd</sup> International Conference on Applied Econometrics (ICAE-111), IBS, Hyderabad, India, Decemember16-17, 2011.
  9. Sanjay Kumar Mishra presented Inhibitors and Facilitators of Financial Inclusion: An Insight from Rural Bank Managers in India Finance Conference 2011, Indian Institute of Management Bangalore, Dec 21-23, 2011.
  10. D. Mukhopadhyay and P.K.Jena presented, Adoption of Banking Technologies in Jammu and Kashmir Region of India: An Empirical Study in 3<sup>rd</sup> International Conference on Applied Econometrics (ICAE-111), IBS, Hyderabad, India, Decemember16-17, 2011.
  11. Sunil Giri contributed paper on Advances in Supply Chain and Manufacturing Management in International Conference at IIT Kharagpur from16-18<sup>th</sup> Dec.2011.
  12. Rashi Taggar presented An Emprical Study Assessing the Destination Image of Delhi in National Conference on Tourism Planning and Development in India: Setting Agenda for Tourism Research, in Kurukshetra University, 28-29 Feb, 2012.
  13. Syeda Shazia Bukhari presented Green Marketing Opportunities and Challenges in UGC sponsored National Conference at Dayanand College Ajmer, 9-11 January, 2012
  14. Syeda Shazia Bukhari presented Marketing and branding of Jammu and Kashmir Tourism Industry- A case study of Patnitop in National seminar on tourism and hospitability industry at Punjab University, Chandigarh, 15-16 october, 2011.
  15. Syeda Shazia Bukhari presented Rural marketing- Challenges and opportunities being faced in Jammu region in 2<sup>nd</sup> National Conference at Galaxy Global group of institutions, Ambala, 4-5 Feb,2012.

#### **Academic Achievements/Lectures/Talks Delivered By Faculty Members**

1. Arti Devi delivered lecture on 'Transactional Analysis' in MDP organized by MSME in collaboration with COM, SMVDU for DMS Petrochemicals Private Ltd., Jammu on 28<sup>th</sup> January, 2012
2. Arti Devi steered 'Team Building exercises' in MDP organized by MSME in collaboration with COM, SMVDU for DMS Petrochemicals Private Ltd., Jammu on 30<sup>th</sup> January, 2012
3. Rashi Taggar delivered lecture on 'Trust factor' in MDP organized by MSME in collaboration with COM, SMVDU for DMS Petrochemicals Private Ltd., Jammu on 28<sup>th</sup> January, 2012
4. Syeda Shazia Bukhari delivered Lecture on 'Marketing Strategies for Entrepreneurs' in BSDP by MSME on 29<sup>th</sup> Oct, 2011 in COM, SMVDU.

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### **Research Projects**

1. Hari Govind Mishra and Dr. Sushil Kumar Mehta are working on UGC sponsored research project 'Organized Retailing in Jammu'.
2. Jyoti Sharma and Dr. Suparn Sharma are working on ICSSR sponsored research project 'Technological Changes in manufacturing Organizations: A Study of North-West States of India'.
3. Sanjay Kumar Mishra completed UGC funded research project 'A Study on the Impact of CSR Practices on SMEs Performance in Jammu District'.
4. Sunil Giri and Dr. Saurabh are working on AICTE funded research project 'Quality Practices in Supply Chain of Large Manufacturing Units in J&K'.
5. Sunil Giri completed BPRD funded research project 'Ethics in Police and Social Change'.
6. Sushil Kumar Mehta and Dr. Hari Govind Mishra are working on AICTE funded research project 'Enterprising Jammu'

### **Awards**

1. Arti Devi was awarded Best paper award for presentation titled The Phenomenon of Role Stress: A Study of Commercial Banks at International Conference on Stress: Paradigm Shifts in Technology and Allied Sciences organized jointly by IISMAAS and IIHMR at Dwarka, New Delhi on 27-28 December, 2011.

### **Laboratory Infrastructure**

1. Computer Lab.



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# **SCHOOL OF BUSINESS ECONOMICS**



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## School of Business Economics

### Courses Offered

MBA (BE)  
Ph.D. Programme

### Faculty Strength

S. No.	Name	Designation	Qualification
1	Dr. Suparn Sharma	Assistant Professor	Ph.D
2	Dr. Kakali Majumdar	Assistant Professor	Ph.D
3	Dr. Saurabh Shrivastava	Assistant Professor	Ph.D
4	Dr. Ashutosh Vashishtha	Assistant Professor	Ph.D
5	Dr. Meenakshi Gupta	Lecturer	Ph.D
6	Dr. Rooplal Sharma	Lecturer	Ph.D
7	Mr. Pabitra Kumar Jena	Lecturer	M.A,Pursuing Ph.D

### Conferences/Seminars/Workshops organized

1. Business Skill Development Program in collaboration with MSME-DI, Jammu organized for final year Engineering and Management students in College of Management from 15<sup>th</sup> Sep to 14<sup>th</sup> Oct, 2011
2. Management Development Program organized by MSME-DI in collaboration with COM, SMVDU for DMS Petrochemicals Private Ltd., Jammu from 25<sup>th</sup> - 31<sup>st</sup> January, 2012
3. A guest lecture titled Creating Sharing Mindsets for Effectiveness: Some Reflections by internationally acclaimed academician, Prof. Vinayshil Gautam, presently AAI-Sagar Chair Professor Emeritus at Department of Management, IIT Delhi, ex director IIM Khozicode.
4. A panel discussion on the burning topic Corporate and Corruption was organized on 8<sup>th</sup> Sep 2011 by MarketINE (The Marketing Club)

### Publications of Faculty Members

1. P.K. Jena FDI and Economic Growth in India after Globalization: A Causality Analysis, The Journal of Income and Wealth, (2011) Vol. No 33, Issue 1, pp. 44-52.
2. K. Majumdar, Diversification of Indian agriculture: A Pre and Post Reform Analysis, International Journal of Management Prudence, October (2011)
3. K. Majumdar. Indian Agriculture: A Discussion with special Reference to WTO Agreement, Edited Volume Agriculture in The Era of Economic Reform, Abhijeet Publication (2011).
4. Meenakshi Gupta, Vikas Sharma(2011), Direct Selling a Tool for Women Empowerment, Kegees Journal of Social Science. Vol. 3 No.2 pp.243-247. 3 243-247.

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5. Meenakshi Gupta, Parul Sharma, Women Entrepreneurs Issues and tribulations, Elixir Marketing, 36 (2011) 3097-3101.
  6. Meenakshi Gupta, Parul Sharma, A Study of Factors Enabling Female Entrepreneurs, International Journal of Management Research, 2 (2011) 71-79.
  7. Meenakshi Gupta, Parul Sharma, Job satisfaction Level of Teachers- A Special Emphasis on Rehbar-e-Taleem Scheme of J& K Government, SSIRN, International Journal
  8. D. Mukhopadhyay, Ignorance Minimization-A Tool for Business Performance Improvement (2011) published by Edition, Kolkata, meant for Researchers in the Field of Management and Corporate Captains.
  9. Meenakshi Gupta, Unveiling the Supply Network Structure of Milk (LAP LAMBERT Academic Publishing GmbH & Co. KG. Germany (2011) ISBN-10 3844334327 ISBN-13 9783844334326

#### **Paper Presented in Conferences/Workshops/Short term Courses Attended by Faculty Members**

1. Ashutosh Vashishtha attended conference on Global Commerce Education Summit organised by the Institute of Chartered Accountants of India, New Delhi on 5<sup>th</sup> Dec, 2011.
2. Kakali Majumdar presented ICT and Performance Evaluation An application of Genetic Algorithm in International ICT Conference, Doon University, Dehradun, 28<sup>th</sup> 29<sup>th</sup> November, 2011.
3. Roop Lal Sharma participated in Workshop on MHRD NMEICT ERP Mission Project from 5<sup>th</sup> - 6<sup>th</sup> Nov. 2011, organized by SMVD University.

#### **Academic Achievements/Lectures/Talks Delivered By Faculty Members**

1. Ashutosh Vashishtha is a member of consulting team on 'Mid term appraisal of the 11<sup>th</sup> plan of Haryana A planning commission of India project awarded to Institute of Development Studies, M.D. University, Rohtak.
2. Meenakshi Gupta delivered lectures on General Management Skills in MDP organized by MSME-DI, Jammu in association with MIET from 16-17<sup>th</sup> Feb, 2011
3. Meenakshi Gupta delivered Lecture on 'Marketing' in BSDP by MSME on 29<sup>th</sup> Oct, 2011 in COM, SMVDU
4. Pabitra Kumar Jena delivered lecture on 'Carrying Out Market Survey & its Questionnaire' in BSDP by MSME on 27<sup>th</sup> Oct, 2011 in COM, SMVDU.

#### **Research Projects**

1. Suparn Sharma is working on UGC sponsored research project 'Dimensions of Industrial Sickness in SMEs- A study of Jammu & Kashmir State'

#### **Laboratory Infrastructure**

1. Computer Lab.



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# SCHOOL OF COMPUTER SCIENCE & ENGINEERING





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## School of Computer Science & Engineering

### Courses Offered

B. Tech. (Computer Science & Engineering)  
M. Tech. (Computer Science & Engineering)  
Ph.D. Programme

### Faculty Strength

S. No.	Name	Designation	Qualifications
1	Dr. M. L. Garg	Professor & Dean	Ph.D
2	Dr.Ajay Koul	Asstt Professor	Ph.D
3	Mr.Manoj Kumar	Asstt Professor	M. Tech, PhD(pursuing)
4	Ms.Sonika Gupta	Lecturer	M.C.M., M.C.A, PhD(pursuing)
5	Ms.Sunanda	Lecturer	M. C. A, Ph.D(pursuing)
6	Ms Sakshi Arora	Lecturer	M. C. A, Ph.D(pursuing),
7	Dr.Naveen Gondhi	Lecturer	Ph.D
8	Ms.Pooja Sharma	Lecturer	M. B. A.(IT), PhD(pursuing),
9	Mr. Sanjay Kr. Sharma	Lecturer	M. Tech(Comm.& IT), Ph.D(pursuing)
10	Mr.Deo Prakash	Lecturer	M. Tech ,Ph.D(pursuing)
11	Mr.Anuj Mahajan	Lecturer	M. Tech
12	Ms.Monica	Lecturer	M. Tech
13	Mr.Sudesh Kumar	Lecturer	M. Tech

### Conferences/ Workshops/Seminars Organized

1. Two day workso on “MHRD sponsored ERP mission under NMEICT” on 5-6 Nov, 2011

### Publications of Faculty Members

1. Renu Vashist, M.L. Garg, “Evaluation and Analysis of Strength of Rules for Data Sets Using Rough Sets”, International Journal of Computer Information Systems, vol.4, no.4, April 2012 pp 29 - 46.
2. Renu Vashist, M.L. Garg, ”A Rough Set Approach for Generation and Validation of Rules for Missing Attribute Values of a Data Set”, International Journal of Computer Applications (IJCA), vol.42, no.14, March 2012.
3. Renu Vashist, M.L. Garg, “Rule Generation Based on Reduct and Core: A Rough Set Approach”, International Journal of Computer Applications (IJCA), vol.29, no.9, Sept, 2011.
4. Sunanda, M.L Garg “Binary Trie Coding Scheme An Intelligent Genetic Algorithm Avoiding Premature Convergence” International Journal of Computer Mathematics, 2011 (Communicated).

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5. Ajay Koul, "System Level Security in MANETs", in the Proc. of International Conference on Computer Research & Development (ICCRD)", Shanghai, China, 2011
  6. Neeraj Nehra, Manoj Kumar, R. B. Patel "Capacity and Interference aware Link Scheduling with Channel Assignment in Wireless Mesh Networks", Journal of Network and Computer Applications, Elsevier, 34(1): 30-38, ISSN 1084-8045, 2011
  7. Naveen Gondhi, "Quality of Service in MANET", International Conference on ICT Initiatives, Policies & Governance at Uttarakhand Open University, Dehradun 28-29 November, 2011
  8. Naveen Gondhi, "ICT & Performance Evaluation", International Conference on ICT Initiatives, Policies & Governance at Uttarakhand Open University, Dehradun 28-29 November, 2011
  9. Vidushi Mahajan, Anuj Mahajan, Sandeep Singh Pagoch, Yashbir S Bedi, Sumit G Gandhi, "microRNA mediated regulation of plant secondary metabolism: An In silico analysis", Journal of natural science biology and medicine, December 2011, Volume 2, Issue 3
  10. Sudesh Kumar published a book titled "WiMAX Technology: Security issues & Solutions", ISBN No. 978-3-8484-0840-5, LAMBERT Academic Publisher, Germany, March-2012.

**Papers Presented in Conferences/Workshops/Short Term Courses Attended by Faculty Members**

1. Ajay Koul attended AICTE sponsored Faculty Development Programme on "Advances in Information Security" at IIIT, Bhubaneshwar 7<sup>th</sup> to 19<sup>th</sup> May, 2012
2. Ajay Koul presented a paper on "Sensor Node Software Testing in a Real World Environment" at J&K Science Congress, October 2011.
3. Manoj Kumar attended UGC sponsored national seminar on "Wireless Communication & Networks with Special Emphasis on Adhoc & WSN" at Shri Mata Vaishno Devi University, Katra, 24<sup>th</sup> 25<sup>th</sup> March 2012.
4. Manoj Kumar participated as member of organizing committee for IEEE International Conference CSNT-2011, held on 3-5 June 2011 at SMVDU, Katra
5. Sonika Gupta attended two weeks AICTE sponsored Staff Development Program on "Introduction to MATLAB & Matrox Imaging Library" at Shri Mata Vaishno Devi University, Katra, from 16<sup>th</sup> to 29<sup>th</sup> December, 2011.
6. Sonika Gupta participated as member of organizing committee for UGC sponsored national seminar on "Wireless Communication & Networks with Special Emphasis on Adhoc & WSN" at Shri Mata Vaishno Devi University, Katra, 24<sup>th</sup> 25<sup>th</sup> March 2012.
7. Sonika Gupta participated in Workshop on ERP under NMEICT at Dyalbagh Education Institute, Agra, 29<sup>th</sup> 30<sup>th</sup> July 2011.
8. Sonika Gupta participated in Workshop on ERP under NMEICT at Amritapuri Campus, Amrita University, 13<sup>th</sup> 14<sup>th</sup> August 2011.
9. Sonika Gupta participated in Workshop on ERP under NMEICT at JMI, Delhi, 17<sup>th</sup> 18<sup>th</sup> September 2011.
10. Sonika Gupta participated in Workshop on ERP under NMEICT at IGNOU, Delhi, 7<sup>th</sup> 8<sup>th</sup> January 2012.

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11. Sonika Gupta participated in Workshop on ERP under NMEICT at Aligarh Muslim University, Aligarh, UP, 17<sup>th</sup> 18<sup>th</sup> January 2012.
  12. Sonika Gupta participated in Workshop on ERP under NMEICT at Shri Shiva Ji College Amravati, Maharastra, 25<sup>th</sup> 26<sup>th</sup> February 2012.
  13. Naveen Gondhi attended two weeks AICTE sponsored Staff Development Programme on “Introduction to MATLAB & Matrox Imaging Library” at Shri Mata Vaishno Devi University, Katra, from 16<sup>th</sup> to 29<sup>th</sup> December, 2011.
  14. Naveen Gondhi attended National Programme on Technology Enhanced learning on the topic “Use and Deployment of video & web Courses” at IIT Delhi from 28.06.2011 to 29.06.2011.
  15. Pooja Sharma presented a paper on “Bridge Gap between Parallel and Image Processing” at J&K Science Congress, October 2011.
  16. Sanjay Sharma attended two weeks AICTE sponsored Staff Development Programme on “Introduction to MATLAB & Matrox Imaging Library” at Shri Mata Vaishno Devi University, Katra,, Katra from 16<sup>th</sup> to 29<sup>th</sup> December, 2011.
  17. Sanjay Sharma attended two days workshop on “Use and Deployment of Web Courses” at IIT, Delhi
  18. Sanjay Sharma attended two days worksop on “MHRD sponsored ERP mission under NMEICT” at Shri Mata Vaishno Devi University, Katra, from 5<sup>th</sup> to 6<sup>th</sup> November 2011.
  19. Anuj Mahajan attended UGC sponsored national seminar on “Wireless Communication & Networks with Special Emphasis on Adhoc & WSN” at Shri Mata Vaishno Devi University, Katra, 24<sup>th</sup> 25<sup>th</sup> March 2012.
  20. Anuj Mahajan attended two weeks AICTE sponsored Staff Development Programme on “Introduction to MATLAB & Matrox Imaging Library” at Shri Mata Vaishno Devi University, Katra from 16<sup>th</sup> to 29<sup>th</sup> December, 2011.
  21. Anuj Mahajan attended two days worksop on “MHRD sponsored ERP mission under NMEICT” at Shri Mata Vaishno Devi University, Katra, from 5<sup>th</sup> to 6<sup>th</sup> November 2011.
  22. Anuj Mahajan presented a poster paper titled “microRNA mediated regulation of plant secondary metabolism: An In silico analysis” at International Interdisciplinary Science Conference 2011 on Bioinformatics: An Interface between Computer Science & Biology, Centre of interdisciplinary research in Basic Sciences, Jammia Millia Islamia, New Delhi, November 2011.
  23. Monica presented the paper titled “Role of Web 2.0 in E-Governance” in 4<sup>th</sup> Conference on Excellence in Research & Education at Indian Institute of Management, Indore, May 2012.
  24. Monica attended a AICTE sponsored Faculty Development Programme on “Intellectual Property Rights” at IIT, Delhi from 18<sup>th</sup> to 22<sup>nd</sup> July 2011.
  25. Deo Prakash attended AICTE sponsored Staff Development Programme on “Evolutionary Computing Techniques for Numerical and Engineering Optimization” at M.I.T.S., Gwalior(M.P.) , from 12<sup>th</sup> to 23<sup>rd</sup> December, 2011.
  26. Deo Prakash participated as member of organizing committee for IEEE International Conference CSNT-2011, held on 3-5 June 2011 at SMVDU, Katra

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### **Academic/ Awareness Activities**

1. Software Freedom Day was celebrated on 17<sup>th</sup> September 2011 to bring awareness among the technical community about Free and Open Source Software (FOSS).
2. One day industrial visit to NHPC Salal Project, Jyotipuram, Reasi, J & K was organised for the students of final year B. Tech. in Comp. Sc. & Engg., Nov. 2011.

### **Student Achievement**

Two students Mr Prateek Garg (2008ECS02) and Ms Roohani Sharma (2008ECS06) were selected for fellowships at IISc (Indian Institute of Science) Bangalore and have completed their B.Tech Major Projects at IISc Bangalore.

### **Academic achievements/ Lectures/ Talks delivered by faculty Members**

1. M.L.Garg, "Networks Based Deductive Reasoning in Fuzzy Environment" Invited Lecture for 7<sup>th</sup> JK Science congress, University of Jammu, Jammu, 13-14<sup>th</sup> October, 2011.
2. M.L.Garg, "Fuzzy Logic & Applications", Invited Lecture for Faculty Development Programme, School of Electronics & Communication Engineering, Shri Mata Vaishno Devi University, Katra, December 16- 29, 2011.
3. M.L.Garg, "Reasoning in Uncertain and Fuzzy Environment" , Invited Lecture for Faculty Development Programme, Dept of Computer Science & IT, University of Jammu, Jammu, December 16- 29, 2011. Naveen Gondhi got "Cyberoam Certified Network Security Professional" Certification.
4. Naveen Gondhi completed degree of Philosophy (Ph D) in Computer Science at Kumaun University, Nainital, Uttarakhand with Research Topic "Mobile Agent based Intelligent System for Autonomic Network Management" under the guidance of Dr. Durgesh Pant, Professor & Head, School of Computer Science, Uttarakhand Open University, Haldwani, Uttarakhand.
5. Naveen Gondhi got "Cyberoam Certified Network Security Professional" Certification.

### **Laboratory Infrastructure**

1. Project Lab.
2. Database Lab.
3. Internet Lab.
4. Operating System Lab.
5. Basic Computing Laboratory
6. Programming Lab.



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# **SCHOOL OF ELECTRONICS & COMMUNICATION ENGINEERING**



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## School of Electronics and Communication Engineering

### Courses Offered

B.Tech (Electronics & Communication Engineering)  
M.Tech (Electronics & Communication Engineering)  
Ph.D Programme

### Faculty Strength

S. No.	Name	Designation	Qualification.
1	Dr.Vipin Kakkar	Associate Professor & Director	Ph.D
2	Mr.Sumeet Gupta	Assistant Professor	M.Tech, Ph.D(pursuing)
3	Mr.Kumand Ranjan Jha	Assistant Professor	M.E
4	Mr.Shashi Bhushan Kotwal	Assistant Professor	M.Tech, Ph.D(pursuing)
5	Mr.Munish Sabraj	Assistant Professor	M.Tech, Ph.D(pursuing)
6	Mr.Ashish Suri	Assistant Professor	M.Tech
7	Dr.Amit Kant Pandit	Lecturer	Ph.D
8	Mr. Anil Bhardwaj	Lecturer	M.Tech, Ph.D(pursuing)
9	Mr. Neeraj Tripathi	Assistant Professor	M.Tech
10	Mr. Swastik Gupta	Assistant Professor	M.Tech
11	Mr. Amitabha Datta	Assistant Professor	M.Tech

### Conferences /Workshops/Seminars Organized

1. A Two day UGC sponsored Seminar on Wireless Communication & Networks with Special Emphasis on Adhoc & Wireless Sensor Networks (24<sup>th</sup> -25<sup>th</sup> March 2012)
2. A Three day IEEE International Conference on Communication Systems and Network Technology (CSNT-2011)
3. Two Weeks Staff Development Program on Introduction to MATLAB® and Matrox® Imaging Library (MIL) with Emphasis on hands on Practice (WMMIL, 11)
4. Short Term Course on Matlab Applications in Electronics, Electrical & Computers for the students.

### Publications of Faculty Members

1. Vipin Kakkar, Biasing Circuit With Enhanced SNR and Distortion for Electret Microphone, Microelectronics and Solid State Electronics Journal (Accepted)
2. Vipin Kakkar, Improved Spatial Scalability for Video Compression, ACTA Electronica Vol. 53, No. 1, 2012.
3. Vipin Kakkar, A. Sharma Fingerprint Image Enhancement using Wavelet Transform and Gabor Filtering, ACTA Electronica, Vol. 52, No. 4, 2011.

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4. Vipan Kakkar, Feasibility of Low Energy Devices and Applications, ACTA Electronica, Vol. 52, No. 3, 2011.
  5. Vipan Kakkar, Performance Analysis of Nanometer CMOS for Mixed Signal Circuits, Journal of Circuits, Systems and Computers, World Scientific Publishing, Vol. 20, No. 6, 2011.
  6. Manish Sabraj and Vipan Kakkar, Performance Analysis of Upsample Filter for Sample Rate Converter, Signal & Image Processing: An International Journal (SIPIJ) ISSN 2229-3922, e-ISSN 0976-710x, doi: 10.5121/sipij, Vol. 3, No.1, February 2012, pp 59-65.
  7. Manish Sabraj and Vipan Kakkar, Performance Degradation of Sample Rate Converter with Output Frequency Variation, International Journal of Electronics and Communication Engineering Research and Development (IJEERD), ISSN 0975-6450 Volume 3, Number 2, (2011), pp 219-225.
  8. Manish Sabraj and Vipan Kakkar, Impact of Input Frequency and Modulator Order on the Performance of Sample Rate Converter, International Journal of Electronics and Communication Technology (IJECT) ISSN: 2230-7109 (Online) | ISSN: 2230-9543 (Print) Vol. 2 Issue 2 (June, 2011), pp. 119-121.
  9. Manish Sabraj and Vipan Kakkar, Performance Analysis of Sample Rate Converter with variation of conversion factor, International Journal of Electronics Engineering Research (IJEER) ISSN 0975-6450 Volume 3 Number 2 (July, 2011) pp. 219-225.
  10. Manish Sabraj and Vipan Kakkar, Impact of Input Frequency and Modulator Order on the Performance of Sample Rate Converter has accepted for publication in International Journal of Electronics and Communication Technology, Vol. 2 Issue 2 (June, 2011), pp-119-121.
  11. Kumud Ranjan Jha and Ghanshyam Singh Microstrip Patch Array Antenna on Photonic Crystal Substrate at Terahertz Frequency, Infrared Physics and Technology, vol. 55, no. 1, pp. 32-39, 2012.
  12. Kumud Ranjan Jha and Ghanshyam Singh, Analysis and design of enhanced directivity microstrip antenna at terahertz frequency by using electromagnetic bandgap material, International Journal of Numerical Modeling: Electronic Networks, Devices and Fields, vol. 24, no. 5, pp. 410-424, 2011.
  13. Kumud Ranjan Jha and Ghanshyam Singh Design of Highly Directive Cavity Type Terahertz Antenna for Wireless Communication, Optics Communications vol. 284, no. 20, 4996-5002, 2011.
  14. Kumud Ranjan Jha and Ghanshyam Singh, Analysis of narrow terahertz microstrip transmission line on multilayered substrate, Journal of Computational Electronics, vol. 10, no. 1-2, pp. 186-194, 2011.
  15. Kumud Ranjan Jha and Ghanshyam Singh, Prediction of Highly Directivity Probe-fed Microstrip Antenna at Terahertz Frequency, International Journal of Numerical modeling: Electronic Network, Devices and Fields, DOI: 10.1002/jnm.822, 2011.
  16. "A Survey of 3D localization Methods", Himani Baru, Tushar Kaushik, S B Kotwal, Proceedings of UGC Sponsored National Seminar on Wireless Communication & Networks with Special emphasis on Adhoc & WSN, March 2012, ISBN No. 978-81-7880-603-7, pp-110-111
  17. "Efficient Energy analysis & Optimization Technique using Wireless Sensor Networks", Govind Arora, Surabhi Mengi, Sumeet Gupta, Proceedings of UGC Sponsored National Seminar on

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- Wireless Communication & Networks with Special emphasis on Adhoc & WSN, March 2012, ISBN No. 978-81-7880-603-7, pp-106-109
18. "Analysis of MAC Protocol for Adhoc & Wireless Sensor Networks", Govind Arora, Surabhi Mengi, Sumeet Gupta, Proceedings of UGC Sponsored National Seminar on Wireless Communication & Networks with Special emphasis on Adhoc & WSN, March 2012, ISBN No. 978-81-7880-603-7, pp-99-105
  19. "Evolution of Different Wireless Routing Protocols", Garvita Khajuria, Proceedings of UGC Sponsored National Seminar on Wireless Communication & Networks with Special emphasis on Adhoc & WSN, March 2012, ISBN No. 978-81-7880-603-7, pp-91-98
  20. "Study of Wireless Actuator & Control Action in Wireless Sensor Networks", Bhanu Pratap sharma, Sumeet Gupta, Proceedings of UGC Sponsored National Seminar on Wireless Communication & Networks with Special emphasis on Adhoc & WSN, March 2012, ISBN No. 978 81-7880-603-7, pp-86-90
  21. Khalid Sheikh, Bhanu Pratap sharma, Ashish Suri, "Trends in Industrial Wireless Automation", Proceedings of UGC Sponsored National Seminar on Wireless Communication & Networks with Special emphasis on Adhoc & WSN, March 2012, ISBN No. 978-81-7880-603-7, pp-81-85
  22. Sumeet Gupta, Bhanu Pratap Sharma "Study of Wireless Actuator & Control Action in Wireless Sensor Networks", Proceedings of UGC Sponsored National Seminar on Wireless Communication & Networks with Special emphasis on Adhoc & WSN, March 2012, ISBN No. 97881-7880-603-7, pp-86-90
  23. Ankush Kapoor, Kumud Ranjan Jha, Ghanshayam Singh, "Effect of Substrate Thickness on Frequency Selective Surface", Proceedings of UGC Sponsored National Seminar on Wireless Communication & Networks with Special emphasis on Adhoc & WSN, March 2012, ISBN No. 978-81-7880-603-7, pp-66-69
  24. Sumeet Gupta, Bhanu Pratap Sharma, "Survey On Routing Algorithms for Wireless Sensor Networks", Proceedings of UGC Sponsored National Symposium on Inter-disciplinary Sciences", March 2012

**Papers Presented in Conferences/Workshop/Short term Courses Attended by Faculty Members**

1. Rajit Ram Singh, Amitkant Pandit, Vipin Kakkar, G. Tomar, Ultra-Low Power Logic Device for Hearing Aid Applications, IEEE International Conference on Communication Systems and Network Technologies, Rajkot, May. 2012. (Accepted)
2. Anurag Shrivastava, Amitkant Pandit, Vipin Kakkar, G. Tomar, Different Arbitration Techniques for On-Chip Shared Bus Multi-Processor SoC, IEEE International Conference on Communication Systems and Network Technologies, Rajkot, May. 2012. (Accepted)
3. Divya Mahajan and Vipin Kakkar, Analysis of Delta-Sigma Modulator, IEEE International Conference on Computational Intelligence and Communication Networks, Gwalior, Oct. 2011.
4. Kumud Ranjan Jha and Ghanshyam Singh, Ring-Resonator Integrated Hemi-Elliptical Lens Antenna at Terahertz Frequency, IEEE Conference on Communication Systems and Networks, Jammu, India, Jun 3-5, 2011, pp. 236-241 (available on IEEE xlore).
5. Kumud Ranjan Jha and Ghanshyam Singh, Microstrip Low-Pass Filter using Hexagonal Patch with Wide Stopband, IEEE Conference on Communication Systems and Networks, Jammu, India, June 3-5, 2011, pp. 250-252 (available on IEEE xlore).



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6. Shashi B Kotwal & Ashish Suri attended, as participant in the Short Term Course on 2-WEEK ISTE WORKSHOP on Basic Electronics 20<sup>th</sup> June 2011 to 8<sup>th</sup> July 2011.
  7. Shashi B Kotwal & Ashish Suri attended, as participant in the workshop on MHRD NMEICT ERP Mission Project from 5<sup>th</sup> Nov 2011 to 6<sup>th</sup> Nov 2011.
  8. Shashi B Kotwal, Ashish Suri, Manish Sabraj & Sumeet Gupta attended, as participant in the 2-Week Workshop on “Introduction to Research Methodologies” conducted under MHRD NMEICT from 25<sup>th</sup> June-4<sup>th</sup> July 2012.

#### **Academic/Awareness Activities**

1. Lecture on Work culture in high-tech industry for B.Tech (ECE)-Batch 2007-11 by Dr Vipin Kakkar.
2. Mock Interviews conducted for students of B.Tech(ECE)-Batch 2007-11 by Mr. Sumeet Gupta & Dr. Saurabh
3. Communication Skills enhancement sessions conducted for students of B.Tech (ECE)-Batch 2007-11 by Mr. Sumeet Gupta & Dr. Saurabh
4. Techno Club of the School regularly organizes Quiz, Competitive Tests & Workshops for the development of students personality
5. Prof. Kaushik Rajashekara, Chief Technologist Rolls-Royce Corporation, Indianapolis delivered a lecture for the students of SECE.
6. Prof. Asok De, Principal of Ambedkar institute of Technology (AIT), Govt. of NCT, Delhi, and an expert in the field of Microwave Communication and Antenna Design delivered a lecture for the students of SECE
7. Divya Mahajan, student of B.Tech presented paper on Computational Intelligence & Computer Networks at Conference in Gwalior, Oct. 2011.
8. Surabhi Mengi & Govind Arora, students of B.Tech participated in National level Smart Car Contest organized by Freescale Semiconductors at IISc. Bangalore.
9. Students of SECE are members of the professional bodies like IEEE, IETE coordinated by the faculty of ECE.
10. Students of SECE have also acquired certification of RED HAT Certified Engineer.
11. School has Student Chapter's of IEEE & IETE
12. Students of SECE visited the Baglihar Hydro Electric Power Plant to see the working of the state of the Power generation project in the State of J&K.
13. Students of SECE visited the Radar Station 256SU to see the working of the state of the art air surveillance equipment of the Indian Air force.
14. Students of SECE visited M/s Intex Pvt. Ltd located in the Bari Brahman industrial belt which specializes in the manufacture of Sound & Acoustic systems.
15. Workshop on Qualnet Simulation Software conducted by Field Engineer of Nihon Communications for students of B.Tech(ECE)-7<sup>th</sup> Semester & M.Tech(ECE)-1<sup>st</sup> Sem.
16. Workshop on Matlab Software conducted by Field Engineer for students of B.Tech(ECE)-7<sup>th</sup> Semester & M.Tech(ECE)-1<sup>st</sup> Semester
17. Workshop on MEMS Pro was conducted by Field Engineer of Integrated Micro systems for students of B.Tech(ECE)-7<sup>th</sup> Semester & M.Tech(ECE)-1<sup>st</sup> Semester

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18. Workshop on Cadfeko was conducted by Field Engineer of NI System for students of B.Tech(ECE)-7<sup>th</sup> Semester & M.Tech(ECE)-1<sup>st</sup> Semester
  19. Students of SECE shines at the National Level debating competition on the theme Inclusive growth in India is possible only through Cooperatives held at Natesan Institute of Cooperative Management, Chennai from 27th-30th Dec. 2011.
  20. Students participated in the 14th ALL INDIA INTER UNIVERSITY NATIONAL INTEGRATION YOUTH CAMP At World Peace Centre, MIT Pune.
  21. Students of ECE attended CSIR Youth for Leadership in Science workshop in IIIM, J&K.

#### **Academic Achievements/Lectures/Talks Delivered By Faculty Members**

1. Vipin Kakkar was selected as Editor of Microelectronics and Solid State Journal, USA
2. Vipin Kakkar delivered an invited lecture on VLSI in Wireless Sensor Networks at UGC sponsored Seminar on Wireless Communication & Networks
3. Invited Lecture on “Wireless Networks & Associated Applications” delivered by Mr. Sumeet Gupta at Model Institute of Engineering & Technology, Jammu
4. Mr. Sumeet Gupta was granted Membership of prestigious IEEE Communication Society.

#### **Research Projects**

1. Sumeet Gupta was awarded a sponsored project by Indian space Research Organization entitled Design & Demonstration of Set of Algorithms for High Reliability Wireless Data Acquisition & Control for an amount of Rs.13.27 Lak as PI with Mr. Shashi B Kotwal as Co-PI. This is the first project under the newly established UGC Sponsored Center for Embedded Instrumentation & Networked Controls.
2. Project by Indian space Research Organization entitled Design and Analysis of Frequency Selective Surface at Ka/Ku Band for Reflection and S Band for Transmission for an amount of Rs.15.96 Lakh with Dr. Ghanshayam Singh as PI, K.R Jha as Co-Investigator. ISRO/RES/4/579/10-11 Dated 13 Jan 2011.

#### **Laboratory Infrastructure**

1. Analog Lab
2. Communication Lab
3. Adv. Communication lab
4. FPGA, DSP lab (SMVDU Xilinx lab)
5. Measurement & Instrumentation Lab
6. Microprocessor Lab(SMVDU Freescale Systems lab)
7. Electrical Machines Lab
8. PCB & Project Lab
9. Embedded Systems Lab (Center for Embedded Instrumentation & Networked Controls- Established with support from UGC)
10. Microsystems Lab

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# **SCHOOL OF INFRASTRUCTURE TECHNOLOGY & RESOURCE MANAGEMENT**



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## School of Infrastructure Technology & Resource Management

### Courses Offered

M. Tech (Energy Management)  
Ph.D Programme

### Faculty Strength

S. No.	Name	Designation	Qualification
1	Mr.Sanjeev Anand	Lecturer	M. Tech, Ph.D (Pursuing)

### Publications of Faculty Members

1. S Anand and S K Tyagi, Exergy analysis and experimental study of a vapor compression refrigeration cycle International Journal of Thermal Analysis and calorimetry. (In Press, 2012), (SCI Journal)
2. S Anand, N K Bansal, S R Park, S K Tyagi, Comparative study of different insulating materials for reducing heat losses in steam pipes: a technical study, International Journal of Sustainable Energy, (2011), iFirst:1-9
3. S K Tyagi, A K Pandey, P C Pant, V V Tyagi. Prediction potential and control of visible plume from wet cooking towers in commercial building using different heating sources: A Review. Renewable and Sustainable Energy Reviews 16 (2012) 3409-3429.
4. S K Tyagi, A K Pandey, S Sahu, V Bajala, J P S Rajput. Experimental study and performance evaluation of various cook stove models based on energy and exergy analysis. Journal of Thermal Analysis and Calorimetry, DOI 10.1007/s10973-012-2348-9.
5. V V Tyagi, A K Pandey, G Giridhar, S Bandhopdhyay, S R Park, S K Tyagi. Comparative study based on exergy analysis of solar air heater collector using thermal energy storage. International journal of Energy Research 2012; 36: 724-736.

### Paper Presented in Conferences/ Workshops /Short term course / Meetings attended by Faculty Members

1. S Anand, A Gupta, I Roy, S K Tyagi, Experimental study of vapour compression refrigeration cycle using exergy approach, International Conference on Green Technologies for Environmental Rehabilitation, Gurukul Kangri University, Haridwar, 11-13 February, (2011).
2. A K Pandey, S Sahu, V Bajala, J P S Rajput, S K Tyagi. Performance evaluation of different types of cook stoves using energy and exergy analyses. Paper presented in the International Conference on Green Technologies for Environmental Rehabilitation, Gurukul Kangri University, Haridwar during Feb. 11-13, 2012.
3. S Anand, A Gupta, S K Tyagi, Review of vapor absorption-compression refrigeration cycles, 7<sup>th</sup> JK Science Congress JKSC-11, Jammu, 13-15 October, (2011)



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4. S Anand, A Gupta, I Roy, S K Tyagi, Experimental study of vapour compression refrigeration cycle using exergy approach, International Conference on Green Technologies for Environmental Rehabilitation, Gurukul Kangri University, Haridwar, 11-13 February, (2011)

**Academic Awareness Activities/ Lectures/Talks Delivered By Faculty Members**

1. Indian Society of Heating, Refrigeration & Air-conditioning Engineers (ISHRAE)
2. Solar Energy Society of India (SESI)

**Research Projects**

1. School is working on a project entitled Simulation and Performance evaluation of vapor-compression-absorption (VCA) hybrid refrigeration system for cooling and heating applications funded by CSIR.

**Laboratory Infrastructure**

1. Energy Laboratory-I
2. Energy Simulation Laboratory-II

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# **SCHOOL OF INNOVATION & COMMUNITY DEVELOPMENT**



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## School of Innovation & Community Development

### Faculty Strength

S. No.	Name	Designation	Qualification
1.	Dr. Sunil Kumar Wanchoo	Assistant Professor & I/c Director	Ph.D.

### Conferences/ Workshops/ Seminars Organized

1. Sunil Kumar Wanchoo organized the “Group Monitoring” Workshop and meeting of the Fast-track Taskforce of DST on August 19-20, 2011 with a financial assistance of Rs. 8,20,000/- from Department of Science & Technology, GOI.

### Paper Presented in Conferences /Workshops/Short term Courses Attended by Faculty Members

1. Sunil Kumar Wanchoo attended the one day workshop on National Vocational Education Qualifications Framework (NVEQF) held on 17<sup>th</sup> December, 2011 at University of Jammu.
2. Sunil Kumar Wanchoo attended a two week Faculty Development Programme on Entrepreneurship organized by SICD, SMVDU in collaboration with Entrepreneurship Development Institute of India, (EDI) Ahemdabad at Shri Mata Vaishno Devi University from March 12-23, 2012.

### Academic/Awareness Activities/ Lectures/Talks Delivered By Faculty Members

1. Innovation in Science Pursuit for Inspired Research (INSPIRE) Science Internship Camps: INSPIRE is a flagship programme of DST, GOI and as a part of this program four camps have been organized so far. These have been attended by over 1550 students of 11<sup>th</sup> and 12<sup>th</sup> standard (science stream) from the state. Over 65 eminent academicians and scientists, including 49 fellows of science academies, Bhatnagar awardees, from different parts of the country attended these camps to mentor these students. INSPIRE is fully funded by DST, GOI. SMVD University has had the honour of organizing four five day, Department of Science & Technology (DST), GOI sponsored “Innovation in Science Pursuit for Inspired Research (INSPIRE)”, Science Internship Camps. Two Camps during the year 2011-12 and two camps during the year 2010-2011. The first camp (April 19-23, 2010), Second Camp (June 25-29, 2010), Third Camp (May 28-June 1, 2011) and Fourth Camp (December 26-30, 2011) were organised all.
2. DST Fast Track Meeting and Group Monitoring workshop on Mathematical Sciences and Physical Sciences: The programme was organized by SICD in SMVDU on behalf of DST, GOI. The complete taskforce of Fast Track scheme, in addition to over 25 young scientists from all over the country attended this 2day meeting. The activity was fully funded by DST, GOI.
3. Association with EDI, Ahmadabad: SICD has initiated an interaction with Entrepreneurship Development Institute of India (EDI), Ahmadabad when Director I/c SICD visited EDI and discussed possibilities of joint work. As a result of this SICD and EDI recently organized a National Faculty Development Program (FDP) on Entrepreneurship with the support of National Science & Technology Entrepreneurship Development Board (NSTEDB), DST, GOI in which 20 faculty members (including 7 from SMVDU) got trained. Further association in the area of innovation and entrepreneurship are being deliberated upon

4. The school organized a special lecture on “Role of Achievement Motivation in Self Development” by Prof. B. B. Siddiqui, Distinguished Faculty, EDI Ahmadabad on 22<sup>nd</sup> March, 2012 for faculty and staff members of SMVDU.
5. Sunil Kumar Wanchoo Participated as Invited Speaker and delivered a talk titles “Thin Films and Heterostructures” during the UGC sponsored “National Symposium on Interdisciplinary Sciences” held in Govt. Gandhi Memorial Science College, Jammu on 2- 3, March, 2012.
6. Sunil Kumar Wanchoo delivered a lecture as Mentor during the 5<sup>th</sup> INSPIRE Science Internship Camp held at University of Jammu from March 17 - 21, 2012.
7. Sunil kumar Wanchoo organized a special lecture on Role of Achievement Motivation in Self Development delivered by Prof. B. B. Siddiqui, Distinguished Faculty, EDI, Ahemedabad on 21<sup>st</sup> March, 2012 in SMVDU.
8. Sunil Kumar Wanchoo organized a science outreach program at GHSS Panthal on 28<sup>th</sup> February, 2012 on the occasion of National Science Day in collaboration with NSS cell of SMVDU.
9. Sunil Kumar Wanchoo Organized a two week Faculty Development Programme on Entrepreneurship in collaboration with Entrepreneurship Development Institute of India, (EDI) Ahemadabad at Shri Mata Vaishno Devi University from March 12-23, 2012.

### Research Projects

1. The Pilot phase of the VSAT Enabled Mobile e-Learning Terminals was successfully completed and the two MeLT Vehicles were handed over to PI of the project at IIT Roorkee on 9<sup>th</sup> January, 2012 as per their instructions.

### Research Projects

S. No.	Name of the Proposal	Submitted to	Amount Sanctioned in Rs. Lacs	Status
3	DST Fast Track group monitoring Workshop and Expert Panel meeting in Physical and Mathematical Sciences (August 19-20, 2011)	DST, GOI	8.20 Lacs	Completed
4	National Faculty Development Programme (FDP) on Entrepreneurship (March 12-23, 2012)	NS&TEDB, DST and EDI	1.75 Lac (through EDI)	Completed
5	Innovation in Science Pursuit for Inspire Research	DST, GOI	19.50 [First Camp] 26.00 [Second Camp] 32.50 [Third Camp] 32.50 [Fourth Camp] 32.50 [Fifth Camp] Total 143.00 Lacs	Four Camps completed and fifth to be held



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# SCHOOL OF LANGUAGES & LITERATURE



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## School of Languages and Literature

### Courses Offered

M.A. English  
Ph.D Programme

Support School to Basic Humanities Courses

1. Business Communication in MBA
2. Communication Skills in B.Tech

### Faculty Strength

S. No	Name	Designation	Qualification
1.	Dr. Vandhana Sharma	Assistant Professor & I/c Director	Ph.D
2.	Dr. Neeru Sharma	Lecturer	Ph.D
3.	Dr. Amitabh Vikram Dwivedi	Lecturer	Ph.D
4.	Dr. Shivani Vashisht	Assistant Professor	Ph.D

### Conferences/ Workshops/ Seminars Organized

1. International Conference on Myth, Orality and Folklore in World Literature (With Special reference to Rabindranath Tagore) from 29-31, 2012. The Conference was partially funded by UGC, Ministry of Culture under Tagore Commemoration Scheme & Indian Council of Philosophical Research.
2. Two Weeks' Workshop on Language Learning Through Language Lab from 4 June- 16 June, 2012.

### Publications of Faculty Members

1. Vandhana Sharma, Visahli Sharma "Alazonic-Eironic Stance of the Heroine Wole Soyinka's The Strong Breed and Ramnath Shastri's Bawa Jitto". Atlantic Critical Review. July-August 2012.
2. Vandhana Sharma "An Ecocritical Expedition into Tagore's Plays" Illuminati A Transnational Journal of Literature and Language. Volume 3-2012
3. Shivani Vashisht, Father - Son Bonding in Kiran Desai's Inheritance of Loss, Language In India, May 2012, Volume 12, ISSN 1930-2940
4. Shivani Vashisht, Saadat Hasan Manto's Toba Tek Singh, Muse India, Issue 43, May-June 2012, ISSN 0975-1815
5. Shivani Vashisht, Being Swadeshi : Manju Kapur's Language in Home and Difficult Daughters, The Criterion, Vol III, Issue I, March 2012, ISSN 0976-8165
6. **Papers Presented in Conferences/Workshops/Short term Courses Attended by Faculty Members**

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1. Vandhana Sharma, Presented a paper entitled The Monomyth: Separation, Initiation and Return of Duggar Folk Hero Bawa Jitto in an International Conference on Myth, Orality and Folklore in World Literature ( with special reference to Rabindranath Tagore), organized by the School of Languages and Literature, SMVD University, 29-31 March, 2012
  2. Vandhana Sharma, Presented a paper entitled Deconstructing Theatrical Syncretism: Describing Indian Theatre in an International Conference on Decolonising the Stage: Paradigm, Practice and Politics, BH University November 15 17, 2011.
  3. Shivani Vashisht, Presented a paper on Arun Joshi's Novels: A Mythical Interrogation, International Conference on Myth, Orality and Folklore in World Literature, Shri Mata Vaishno Devi University, Katra, 29-31 March 2012.
  4. Neeru Sharma Presented a paper on the Myth in the Novels of William Golding, International Conference on the Myth, orality and Folklore in the World Literature, SMVDU, 29-31 March 2012

#### **Academic Achievements/Lectures/Talks Delivered By Faculty Members**

1. Vandhana Sharma Coordinated Lit Life: The Literary Fest of the School of Languages & Literature held on 3<sup>th</sup> Feb, 2012
2. Vandhana Sharma conducted Workshop for English Teachers of DPS School Katra on 7<sup>th</sup> October, 2012.
3. Vandhana Sharma coordinated Women's Day Celebration 2012.
4. Vandhana Sharma coordinated International Conference on Myth, Orality and Folklore in World Literature (With Special reference to Rabindranath Tagore) from 29-31, 2012.
5. Vandhana Sharma coordinated Two Weeks' Workshop on Language Learning through Language Lab from 4 June- 16 June, 2012.
6. Literary circle initiated by the school to foster reading habits amongst the students of SMVDU.

#### **Laboratory Infrastructure**

1. Language Lab.



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# SCHOOL OF MECHANICAL ENGINEERING





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## School of Mechanical Engineering

### Courses Offered

B. Tech (Mechanical)

M. Tech (Manufacturing and Automation)

Ph.D Programme

### Faculty Strength

S. No.	Name	Designation	Qualification
1	Mr. Balbir Singh	Asstt.Professor & I/c Director	M. Tech, Pursuing Ph.D
2	Dr. Rajesh Kumar Bhushan	Asstt. Professor	PhD
3			
4	Dr. Ankush Anand	Lecturer	PhD
5	Mr. Yatheshth Anand	Lecturer	M.E
6	Mr. Sanjay Mohan	Lecturer	M. Tech, Pursuing PhD
7	Mr.Manvinder Singh	Lecturer	M.E
8	Mr.Sanjay Sharma	Asstt. Professor	M.Tech, Pursuing PhD
9	Mr.Varun Dutta	Asstt. Professor	M.Tech

### Publications of Faculty Members

1. Deepak Byotra, Rajesh Kumar Bhushan, Computer Aided Process Planning for Machining the Gears Trans Asian Publications. Advances in Materials and Processing Technologies II, 2011, pp1551-1556.
2. Rajesh Kumar Bhushan, Sudhir Kumar, and S. Das Genetic algorithm approach for Optimization of Surface Roughness Parameter in Machining Al Alloy SiC Particle Composite, Journal of Materials Engineering and Performance Published online 15<sup>th</sup> Nov.2011
3. Y. Anand, Elasto-Plastic Analysis of Corten Steel using Finite Element Methods, Published in International Journal of Applied Engineering Research Vol. 6(4), page no. 481-497, 2011.
4. Sanjay Mohan Sharma, Analysis of Variance and Optimization of Surface Roughness in CNC Turning of EN-8 Steel by Taguchi Method in International Journal of Advanced Engineering Technology (IJAET)

### Paper Presented in Conferences /Workshops/Short term Courses Attended by Faculty Members

1. Ankush Anand presented his research work in ASME / STLE-Joint International Tribology Conference IJTC 2011, at Los Angeles, California, USA, in the Month of Oct. 2011.
2. Varun Dutta and Yatheshth Anand presented a paper on Convention Design Engineering Vs Reverse Engineering in the International Conference on Material Processing and Characterization at GRIET, Hyderabad, 2012.
3. Balbir Singh, Sanjay Mohan Sharma, 2011 Study of various Challenges and Solutions in Maintenance of Critical Components , Sept 7-8, 2011

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4. Yatheshth Anand Presented a Paper on Grid Optimization in FEM Applied to 2D Heat Transfer Problems at the 7th JK Science Congress held at Jammu University, from October 13 - 15, 2011.
  5. Balbir Singh attended a Short Term Course on "Introduction to MATLAB and Matrox Imaging Library (MIL) with emphasis on hands on Practice (WMMIL, 11)", held at Shri Mata Vaishno Devi University
  6. Rajesh Kr. Bhushan attended a Short Term Course on "Introduction to MATLAB and Matrox Imaging Library (MIL) with emphasis on hands on Practice (WMMIL, 11)", held at Shri Mata Vaishno Devi University
  7. Varun Dutta attended a Short Term Course on "Introduction to MATLAB and Matrox Imaging Library (MIL) with emphasis on hands on Practice (WMMIL, 11)", held at Shri Mata Vaishno Devi University
  8. Y. Anand attended a Short Term Course on "Introduction to MATLAB and Matrox Imaging Library (MIL) with emphasis on hands on Practice (WMMIL, 11)", held at Shri Mata Vaishno Devi University
  9. Y. Anand attended a Short term Course on "CAD using CATIA" held at NITTTR Chandigarh
  10. Sanjay Mohan Sharma attended a Short term course "TRIZ Innovation and Taguchi Optimization" from 19-23 Dec, a QIP course held at IIT Bombay (sms)

#### **Academic/Awareness Activities**

1. Two Candidates Sanjay Mohan Sharma (AP), SME and Roaf Ahmed Khan enrolled for Ph. D in School of Mechanical Engineering during the academic session 2011-12
2. B. Tech Mechanical Engineering Batches 2008, 2009 & 2010 each planted one tree in front of SME Block as a token of their remembrance and contribution to environment.
3. Du Jin & Zhanqiang Liu & Wan Yi & Guosheng Su, Influence of cutting speed on surface integrity for powder metallurgy nickel-based superalloy FGH95, Int J Adv Manuf Technol (2011) 56:553559.
4. Saeed Zare Chavoshi, Tool flank wear prediction in CNC turning of 7075 AL alloy SiC composite, Prod. Eng. Res. Devel. (2011) 5:3747.
5. Journal of Petroleum and Gas Exploration Research (JPGER) (ISSN 2276-6510)
6. International Research Journal of Agricultural Science
7. AMPT International Conference 2008

#### **Academic Achievements/Lectures/Talks Delivered By Faculty Members**

1. Mr. Rajesh kr. Bhushan has successfully qualified for the award of Ph.D degree in Mechanical Engineering in Sept., 2011
2. Expert Lecture delivered on "Development of Submerged Arc Welding and under water welding" by Dr. N.D. Das, Retired Scientist and professor Mechanical Department, Sky Line Institute of Engg. And technology, Greater Noida for the students & faculty members of SME
3. SAE INDIA SMVDU COLLEGIATE CLUB inaugurated in SME on 29<sup>th</sup> Nov., 2011 to promote technical activities in the field of Automobile Engineering.

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4. The Team “Mechanix” on 17 Students of B.Tech Mechanical Engineering 2009 Batch under guidance of Navdeep Malhotra (AP), SME SAE INDIA SMVDU COLLEGIATE CLUB participated in BAJA 2012 Competition at Pritampura Indore (MP)

#### **Laboratory Infrastructure**

1. Central Workshop comprising machine shop, carpentry shop, fitting shop, foundry shop, welding shop, smithy shop, sheet metal shop, and CNC machines
2. Thermal Engineering Lab
3. Internal Combustion Engine Lab
4. Heat and Mass Transfer Lab
5. Refrigeration and Air Conditioning Lab
6. Fluid Mechanics Lab
7. Fluid Machinery Lab
8. Strength of Materials Lab
9. Theory of Machines Lab
10. Automobile Lab
11. Mechanical Vibrations Lab
12. CAD Lab
13. Production Engineering Lab
14. Mechatronics Lab
15. Metrology & Measurements Lab
16. Computer Integrated Manufacturing Systems Lab

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# SCHOOL OF MATHEMATICS





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## School of Mathematics

### Courses Offered

M.Sc. Mathematics

Ph.D. programme

Support School to Basic Science courses in B.Tech

### Faculty Strength

S. No	Name	Designation	Qualification
1	Dr. V. K. Bhat	Professor & Director	Ph.D
2	Dr. A. K. Das	Assistant Professor	Ph.D
3	Dr. Ajay Kumar Sharma	Lecturer	Ph.D
4	Dr. Kuldip Raj	Lecturer	Ph.D
5	Dr. Sandeep Bhoughal	Lecturer	Ph.D
6	Dr. Rakesh Kumar	Lecturer	Ph.D
7	Dr.S. Sharma	Asstt. Prof.	Ph.D
8	Mr. Surender Singh	Asstt. Prof.	M.Sc., NET

### Publications of Faculty Members

1. V. K. Bhat, Prime ideals of  $(*)$ -rings and their extensions, Lobachevskii J. Math., Vol. 32(1) (2011), 102106.
2. V. K. Bhat, On 2-primal Ore extensions over Noetherian  $(*)$ -rings, Bul. Acad. Ştiinţe Repub. Mold. Mat., No. 1(65) (2011), 42-49.
3. V. K. Bhat and Kiran Chib, Transparent Ore extensions over weak  $\pi$ -rigid rings, Sib. Èlektron. Mat. Izv., Vol. 8 (2011), 116122.
4. V. K. Bhat, Ore extensions over near pseudo valuation rings and Noetherian rings, Acta Math. Acad. Paedagog. Nyházi. (N.S.), Vol. 27(1) (2011), 1-7.
5. V. K. Bhat and Neetu Kumari, On Ore extensions over near pseudo valuation rings, Int. J. Math. Game Theory Algebra, Vol. 20(1).
6. V. K. Bhat, Transparent Ore extensions over  $(*)$ -rings, Eur. J. Pure Appl. Math, Vol. 4(3) (2011), 221-229.
7. Ajay Koul, R.B. Patel, V.K. Bhat, A System Level Security for Mobile Ad hoc Networks, IEEE, (2011), 72-76.
8. V. K. Bhat, Ideal Krull, Symmetry of skew polynomial rings, Beiträge Algebra Geom., DOI 10.1007/s13366-011-0085-z
9. V. K. Bhat, On pseudo-valuation rings and their extensions, Algebra Discrete Math., Vol. 12(2) (2011), 25-30.
10. A. K. Das, Simultaneous generalizations of regularity and normality, European Journal of Pure and Applied Mathematics, 4(1)(2011), 34-41.

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11. Ajay K. Sharma, S. Ueki, On compactness of composition operators on Bergman-Orlicz spaces, *Ann. Polon. Math.* 103 (2011), 1-13.
  12. Anshu Sharma, Ajay K. Sharma, Carleson measures and a class of integration operators on Bergman spaces, *Rocky Mountain J. Math.* 41 (2011) 1711-1724.
  13. Stevo Stevic, Ajay K. Sharma and A. Bhat, Essential norm of products of composition multiplication and differentiation between weighted Bergman spaces, *Appl. Math. Comput.*, 218 (2011), 2386-2397.
  14. Stevo Stevic, Ajay K. Sharma, Composition operators from the space of Cauchy transforms to Bloch and the little Bloch-type spaces on the unit disk, *Appl. Math. Comput.*, 217 (2011) 10187-10194.
  15. Stevo Stevic, Ajay K. Sharma and S. D. Sharma, Weighted composition operators from weighted Bergman spaces to weighted type spaces of the upper half-plane, *Abst. Appl. Anal.* (2011), Article ID 989625, 10 pages.
  16. Stevo Stevic, Ajay K. Sharma and Ambika Bhat, Products of composition multiplication and differentiation between weighted Bergman spaces, *Appl. Math. Comput.*, 217 (2011), 8115-8125.
  17. Stevo Stevic, Ajay K. Sharma, Weighted composition operators between Hardy and growth spaces of the upper half-plane, *Appl. Math. Comput.*, 217 (2011) 49284934.
  18. Stevo Stevic, Ajay K. Sharma, Essential norm of composition operators between weighted Hardy spaces, *Appl. Math. Comput.*, 217 (2011) 6192-6197.
  19. Ajay K. Sharma, Generalized composition operators on the Bergman space, *Demonstratio Math.* 44 (2011), 359-372.
  20. Stevo Stevic, Ajay K. Sharma, Iterated differentiation followed by composition from Bloch-type spaces to weighted BMOA spaces, *Appl. Math. Comput.*, 218 (2011), 3574-3580
  21. Stevo Stevic, Ajay K. Sharma, Integral-type operators from Bloch-type spaces to  $Q_K$  spaces, *Abstr. Appl. Anal.* (2011) Article ID 698038, 16 pages.
  22. Stevo Stevic, Ajay K. Sharma, Weighted composition operators between growth spaces of the upper-half plane, *Util. Math.*, 84 (2011) 265272.
  23. Ajay K. Sharma, Anshu Sharma and Ambika Bhat, Integral-type operators between weighted Bergman and Bloch-type spaces *International J. of Math. Sci. & Engg. Appls*, 5 (2011) 85-95.
  24. Raj, Kuldeep, Sharma, Sunil K. and Ajay K. Sharma, Upper and lower bounds for products of multiplication operator and Hausdorff matrix on Bloch weighted sequence spaces, *Int. J. Pure and Appl. Math.*, Vol. 72, 4(2011), 565-571.
  25. Raj, Kuldeep and Sharma, Ajay K., Integro-substitution operators between  $L_p$ -spaces, *Pacific Asian Journal of Mathematics* Vol. 5(2011), 19-26.
  26. Raj, Kuldeep, Sharma, Sunil K. and Ajay K. Sharma, On some difference sequence spaces defined by Musielak-Orlicz function, *IEJPAM*, Volume 3 No. 3 2011, 207-215.
  27. Raj, Kuldeep, Sharma, Ajay K. and Sharma, Sunil K., A sequence space defined by Musielak-Orlicz function, *International Journal of Pure and Applied Mathematics*, Vol. 67 no. 4(2011), 475-484.
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28. Raj, Kuldeep, Sharma, Sunil K. and Sharma, Ajay K., Some new sequence spaces defined by sequence of modulus function in  $n$ -normed spaces, *International J. of Math. Sci. & Engg. Appls.*, vol.5 no. 2(2011), 395-403.
  29. Ajay K. Sharma, Products of composition multiplication and differentiation between Bergman and Bloch type spaces, *Turkish. J.Math.* 35 (2011), 275-291.
  30. Raj, Kuldeep and Sharma, Sunil K., Strongly almost double difference sequence spaces, *International Journal of Mathematical Archive*, Vol.2, 11(2011), 2241-2246.
  31. Raj, Kuldeep, Anil Kumar and Sharma, Sunil, K., On some sets of fuzzy difference sequences defined by a sequence of Orlicz function, *International Journal of Applied Mathematics*, Vol.24, 5(2011), 795-805.
  32. Raj, Kuldeep and Gupta, Amit, On some new generalized difference vector-valued sequence spaces defined by a sequence of modulus functions, *American Journal of Mathematics and Sciences*, Vol.1,1(2011), 10-20.
  33. Raj, Kuldeep, Sharma, Sunil K. and Kumar, Anil, Multiplication operator on Musielak-Orlicz spaces, *Advances and Applications in Mathematical Sciences*, Vol.10,5(2011), 473-480.
  34. Raj, Kuldeep, Sharma, Sunil K. and Ajay K. Sharma, Upper and lower bounds for products of multiplication operator and Hausdorff matrix on Block weighted sequence spaces, *Int. J. Pure and Appl. Math.*, Vol. 72, 4(2011), 565-571.
  35. Raj, Kuldeep and Sharma, Ajay K., Integro-substitution operators between  $L_p$ -spaces, *Pacific Asian Journal of Mathematics* Vol. 5(2011), 19-26.
  36. Raj, Kuldeep and Sharma, Sunil K., Some sequence spaces in 2-normed spaces defined by Musielak Orlicz function, *Acta Universitatis Sapientiae Mathematica*, Vol. 3, no.1 (2011), 97-109
  37. Raj, Kuldeep, Sharma, Sunil K. and Ajay K. Sharma, On some difference sequence spaces defined by Musielak-Orlicz function, *IEJPAM*, Volume 3 No. 3 2011, 207-215.
  38. Raj, Kuldeep and Sharma, Sunil K., Weighted Substitution Operators between  $L_p$  Spaces of Vector Valued Functions, *Fasc.Math.*, Nr.47(2011), 63-70.
  39. Raj, Kuldeep and Sharma, Sunil K., Difference sequence spaces defined by sequence of modulus function, *Proyecciones Journal of Mathematics*, Vol. 30(2011), 189-199.
  40. Raj, Kuldeep, Sharma, Sunil K. and Kumar, Anil, Composition Operators on Musielak-Orlicz space, *Journal of Contemporary Applied Mathematics*, vol. 1, no. 1(2011), 53-61.
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  59. Prof. V. K. Bhat: An Introduction to real analysis; Narosa Publishing House, ISBN:978-81-8487-149-4, 250 pages, 2011. International Edition by Alpha Science International Limited, Oxford, U.K., OX4 2JZ, ISBN 978-1-84265-705-8, 2012.
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### **Paper Presented in Conferences/Workshops/Short term Courses Attended by Faculty Members**

1. A.K. Das, Attended 7<sup>th</sup> JK Science Congress JKSC2011, Oct. 13-15 at University of Jammu and present a paper title Between normal and mildly normal spaces.
2. Kuldeep Raj Attended 7<sup>th</sup> JK Science Congress JKSC2011, Oct. 13-15 at University of Jammu and present a paper title Sequence Spaces in n-normed spaces defined by Musielak-orlicz function.
3. Ajay K. Sharma, Participated in AICTE approved staff development programme on Introduction to MATLAB and Matrox Imaging Library(MIL) with Emphasis on hands on Practice(WMMIL'11), Dec.16-29, 2011 organized by School of Electronics and Communication Engineering, Shri Mata Vaishno Devi University Katra, Jammu.
4. Kuldeep Raj, participated in AICTE approved staff development programme on Introduction to MATLAB and Matrox Imaging Library(MIL) with Emphasis on hands on Practice(WMMIL'11), Dec.16-29, 2011 organized by School of Electronics and Communication Engineering, Shri Mata Vaishno Devi University Katra, Jammu.
5. Rakesh Kumar attended 'Two Weeks Staff Development Program on Introduction to MATLAB atrox Imaging Library(MIL) with Emphasis on hands on Practice (WMMIL,11)' December 16-29, 2011 at School of Electronics and Communication Engineering, SMVDU, Katra, Jammu
6. Sandeep Bhougal Participated as participant in the Two weeks AICTE approved Staff Development Program on "Introduction to MATLAB and Matrox Imaging Library (MIL) with Emphasis on hands on Practice (WMMIL'11), (Dec 16-29,2011)" organized by the School of Electronics and Communication Engineering, Shri Mata Vaishno Devi University, Katra, Jammu

### **Research Projects**

1. PR-29 - Annual Grant for library from NBHM, DAE, Government of India (GOI)
2. PR-40 (PI-Dr. Ajay Sharma) Composition Operators and Dynamics Valued functions. NBHM, DAE, Government of India.
3. PR-46 (PI- Dr. V. K. Bhat) 'Transparency of Skew Polynomial Rings over Noetherian Rings.' NBHM, DAE, Government of India.
4. PR-50 (PI- Dr. V. K. Bhat) 'Associated Prime ideals & minimal Prime Ideals of Skew Polynomial Rings' UGC.

### **Laboratory Infrastructure**

1. Computer Programming in C, C++
2. Implementation of Numerical Methods.
3. Latex documentation.

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# SCHOOL OF PHILOSOPHY & CULTURE



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## School of Philosophy & Culture

### Courses Offered

MA (Philosophy)  
Ph.D Programme

### Faculty Strength

S. No	Name	Designation	Qualification
1	Dr. V.K. Tripathi	Assistant Professor & I/c Director	Ph.D
2	Dr. A.K. Tewari	Lecturer	Ph.D
3	Mr.Sumantha Sarathi Sharma	Lecturer	Ph.D (thesis submitted)
4	Mr. Ashoka Kumar Tarai	Assistant Professor	MA, Ph.D (pursuing)
5	Mr. Madhu Mangal Chaturvedi	Assistant Professor	MA, Ph.D (pursuing)

### Publications of Faculty Members

1. Anil K. Tewari, Jain Darshan Aur Paryavaraniya Chintan, Darshan Ke Ayama, eds. R.C. Sinha, Jata Shanker & A.D. Sharma, Delhi: New Bhartiya Book Corporation, 2012: 431-441.
2. Anil K. Tewari, Review article of the book titled Persons: A Strawsonian Study by Sauravpran Goswami, Journal of Indian Council of Philosophical Research, Vol. 28.2, 2011: 127-135 (in Press).
3. Sumanta S. Sharma, Interpreting Squares of Opposition with the help of Diagrams in The Square of Opposition: A General Framework for Cognition edited by J-Y Beziau and Gillman Payette (Bern, Peter Lang Publishing, 2012) 175-192.
4. Sumanta S. Sharma & Rama S. Misra, The Classical Notion of Soundness in Deductive Logic, Avant: portal of the philosophical-interdisciplinary vanguard (2012, in Press).

### Paper Presented in Conferences /Workshops/Short term Courses Attended by Faculty Members

1. Anil K. Tewari, presented a paper on An Exploration in the Allegory of Savitri, International Seminar on Myth, Orality and Folklore in World Literature, School of Languages and Literature, SMVD University, Katra, J&K, Mar. 29-31, 2012.
2. Ashoka K. Tarai, attended an International Conference Language, Mind and Reality: Reflection on Philosophical Thoughts of Prof. R.C. Pradhan, organized by the Department of Humanities and Social Sciences, IIT Bombay, 5<sup>th</sup> 7<sup>th</sup> Mar. 2012.
3. Anil K. Tewari, presented a paper on An Enquiry into the [Im]possibility of Universal Religion, National Seminar on Culture of Religion and Trans-cultural Religion, Christ Church College, Kanpur, Feb. 02-04, 2012.

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4. Varun K. Tripathi, presented a paper on Religion Without God, a One-Day Meet Critical and Comparative Study of Religion, on the occasion of the World Philosophy Day 2011 organized by the School of Philosophy & Culture, SMVD University Katra, J&K, on 17<sup>th</sup> Dec. 2011.
  5. Anil K. Tewari, presented a paper on The Nature and Relevance of Comparative Religion, a One-Day Meet Critical and Comparative Study of Religion, on the occasion of the World Philosophy Day 2011 organized by the School of Philosophy & Culture, SMVD University Katra, J&K, on 17<sup>th</sup> Dec. 2011.
  6. Sumanta S. Sharma, presented a paper on Religion and Human Rights Violations, a One-Day Meet Critical and Comparative Study of Religion, on the occasion of the World Philosophy Day 2011 organized by the School of Philosophy & Culture, SMVD University Katra, J&K, on 17<sup>th</sup> Dec.
  7. Varun K. Tripathi, attended the celebration of the World Philosophy Day 2011 at Govt. College for Women, Parade, Jammu on 6<sup>th</sup> Dec. 2011.
  8. Varun K. Tripathi, acted as Jury Member in the Inter-State (North Zone) Declamation Contest, organized by Dept. of Higher Education, Govt. of J&K at Govt. College for Women Gandhinagar, 28<sup>th</sup> November 2011.

#### **Academic/ Awareness Activities**

1. The School of Philosophy and Culture celebrated the World Philosophy Day 2011 on Saturday, 17<sup>th</sup> December 2011. A One-Day-Meet on the theme “Comparative and Critical Study of Religion” was organized by the School.

#### **Academic Achievements/Lectures/Talks Delivered by Faculty**

1. Anil K. Tewari, delivered a Special Lecture on The Conceptual Basis and Methods of Qualitative Research, College of Management, SMVD University, Katra, J&K, 3<sup>rd</sup> May 2012.
2. Varun K. Tripathi, delivered a lecture on The Idea of Right Action and Responsibility, at MSME Development Institute, Jammu on 20<sup>th</sup> Mar. 2012.
3. Varun K. Tripathi, delivered a lecture on Developing Positive Attitude, at M/S Petrochemicals Pvt. Ltd., Bari Brahmana, Jammu on 31<sup>st</sup> Jan. 2012.
4. Varun K. Tripathi, delivered two lectures as a resource person in the Workshop on Indian Constitution organized by the Dean of Students' office, SMVD University, Katra, 19<sup>th</sup> 25<sup>th</sup> Jan. 2012.
5. Anil K. Tewari, delivered four lectures as a resource person in the Workshop on Indian Constitution organized by the Dean of Students' office, SMVD University, Katra, 19<sup>th</sup> 25<sup>th</sup> Jan. 2012.
6. Sumanta S. Sharma, delivered two lectures as a resource person in the Workshop on Indian Constitution organized by the Dean of Students' office, SMVD University, Katra, 19<sup>th</sup> 25<sup>th</sup> Jan. 2012.



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# SCHOOL OF PHYSICS



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## School of Physics

### Courses Offered

M.Sc  
Ph.D programme  
Support School to Basic Science courses in B.Tech

### Faculty Strength

S.No.	Name of the Faculty	Designation	Qualification
1.	Dr. Yugal Khajuria	Assistant Prof & Director I/c	Ph.D
2.	Dr. S.K. Wanchoo	Assistant Prof.	Ph.D
3.	Dr. Jitendra Sharma	Assistant Prof.	Ph. D
4.	Dr. Kamini	Lecturer	Ph.D
5.	Dr. Vivek Kr. Singh	Lecturer	Ph.D
6.	Dr. Vinay Kr.	Lecturer	Ph.D
7.	Dr. Ram Prakash	Lecturer	Ph.D
8.	Mr. Pankaj Biswas	Lecturer	M.Sc. NET.

### Publications of Faculty

1. Y. Khajuria, Modified Semiclassical exchange approximation in the electron atom collision: Mg and K (e,2e) Triple differential cross section. Asian Journal of Spectroscopy, (2012), In Press
2. V.K. Singh and A.K. Rai, Spatial Distribution of Minerals across the Mixed Gallstones Using LIBS, Asian Journal of Spectroscopy, 155-159 (2012), In Press
3. L.N. Rai, Priyanka Rai, and V.K. Singh, A Plane Symmetric Cosmological Model in presence of a perfect fluid distribution in Self-creation Cosmology, Asian Journal of Spectroscopy (2012), In Press.
4. A.K. Pathak, R. Kumar, V.K. Singh, R. Agrawal, S. Rai, and A.K. Rai, Assessment of LIBS for spectrochemical analysis: A review, Applied Spectroscopic Reviews, 47: 1, 14-40 (2012).
5. P. Rai, L.N. Rai, and V.K. Singh, Bianchi Type-I Cosmological Model Filled with Viscous Fluid in a Modified Brans-Dicke Cosmology Int. J. Theor. Phy., DOI: 10.1007/s10773-012-1092-z (2012).
6. L.N. Rai, P. Rai, and V.K. Singh, An Anisotropic Cosmological Model in Self-creation Cosmology Int. J. Theor. Phy., DOI: 10.1007/s10773-011-1034-1 (2011).
7. I.M.Nagpure, Shreyas S. Pitale, K.G. Tshabalala, Vinay Kumar, O.M. Ntwaeaborwa, J.J. Terblans, H.C. Swart. Luminescence response and CL degradation of combustion synthesized spherical SiO<sub>2</sub>: Ce nanophosphor Materials Research Bulletin 46 (2011) 2359-2366.

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### **Papers Presented in Conferences /workshop/short term courses attended by Faculty members**

1. Y.Khajuria, attended 7<sup>th</sup> JK Science Congress (JKSC-11) organized by University of Jammu, Jammu in collaboration with J&K State Council for Science and Technology during October 13<sup>th</sup> -15<sup>th</sup>, 2011.
2. Y.Khajuria, attended two week a Short Term Course on Introduction to MATLAB and Matrox Imaging Library (MIL) with Emphasis on hands on Practice (WMMIL'11) held at SMVD University.
3. Vivek Kumar Singh, attended 7<sup>th</sup> JK Science Congress (JKSC-11) organized by University of Jammu, Jammu in collaboration with J&K State Council for Science and Technology during October 13<sup>th</sup> -15<sup>th</sup>, 2011.
4. Vivek Kumar Singh, attended two week a Short Term Course on Introduction to MATLAB and Matrox Imaging Library (MIL) with Emphasis on hands on Practice (WMMIL'11) held at SMVD University.

### **Academic/Awareness Activities**

1. Organized a special lecture on Material Science for M.Sc. Physics students and B. Tech. Mechanical students.

### **Research projects**

1. UGC- IUAC (Inter University Accelerator Centre), New Delhi. Supported research project entitled Effect of swift heavy ion irradiation on alkali-alkaline earth based oxide nanophosphors: Luminescence and related studies Principal Investigator: Dr Vinay Kumar.
2. Department of Science and Technology (DST, Govt of India) SERC Fast Track Scheme under my research proposal Development of inorganic nanophosphors: Luminescence and related studies. Principal Investigator: Dr Vinay Kumar

### **Laboratory Infrastructure**

1. Dark Room
2. General Physics lab for General Physics experiments
3. Solid State Physics Lab
4. Computer Lab.

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## Dean of Students

Administrative Setup of the Office of the Dean of Students for the period under report:

1.	Dean of Students	Dr. Vipin Kakkar
2.	Associate Deans of Students ( Girls)	Dr. Vandhana Sharma
3.	Associate Deans of Students ( Boys)	Dr. Yugal Khajuria
4.	Wardens	
	Trikuta Boys hostel	Dr.Sunil Giri
	Kailash Boys Hostel	Mr.Ahmanyu Sharma
	Nilgiri Boys Hostel	Dr.A.K.Das
	Vidhyanchal Boys Hostel	Mr. Manoj Kumar
	Vaishnavi Girls Hostel	Ms.Rashi Taggar
	Shivalik Girls Hostel	Dr.Samantha V.

### Student Activities organized by Dean of Students Office

#### Cultural Activites

##### Quiz Club

The Quiz Club organized a quiz on General Knowledge on 24<sup>th</sup> Aug. 2011 under the guidance of Dr. V.K. Tripathi. The Quiz was coordinated by Dharmendra Kumar (2009 EEC 26), the student coordinator.

The Quiz Club organized a quiz on 15<sup>th</sup> Nov. 2011. The theme was Indian National Movement, Science and Technology, Geography and Sports. The quiz was followed by an introductory presentation on the principles and works of Swami Vivekanand by Dharmendra Kumar (2009EEC26).

##### Hindi Club

The Hindi Club celebrated Hindi Pakhwara from 14<sup>th</sup> 28<sup>th</sup> Sep. 2011. During the fortnight, Quiz, Debate, Essay and Poetry writing competitions were organized. The celebration was coordinated by Dharmendra Kumar (2009EEC26).

##### Debate Club

1. The Debate Club in association with the Indian Association of Parliamentarians on Population and Development, New Delhi organized a University level debate on the theme "Is Urbanization Essential to Economic Development?" on 5<sup>th</sup> Oct. 2011. There were altogether 27 (twenty seven) debaters from the different Schools. Their performance was judged by Dr. Anil Tewari and Dr. Deepak Jain. Following is the result:

Ankita Ojha [2011EEC62]	First Prize
Abhishek Kumar [2011EEC87]	Second Prize
Ta-Ha Mughal [2009EAL12]	Third Prize
Sourabh Gupta [2009EAL06]	Consolation Prize -1
Ankush Gupta [2008EME21]	Consolation Prize -2



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Team for National Debate:

1. Ta-Ha Mughal [2009EAL12]FOR
2. Ankita Ojha [2011EEC62]AGAINST

Back-up Team for National Debate:

1. Sourabh Gupta [2009EAL06] FOR
2. Abhishek Kumar [2011EEC87] AGAINST

The winning team participated in the National debate from 11<sup>th</sup>-12<sup>th</sup> Nov. 2011 in New Delhi. The team went under the leadership of Dr. Preeti Sharma for the competition and received great appreciation for its performance.

2. A Debate Completion on the theme “Inclusive Growth in India is Possible *only* Through Cooperatives” was organized on 12<sup>th</sup> Oct. 2011 in the Lecture Theatre D at 5:30 PM. There were altogether 44 contestants. Dr. A. K. Tewari, Mr. Pabitra Kumar Jena and Dr. V.K. Tripathi were the judges of the performance. The following students were declared the prize winners and members of the National Debating Team:

Prize Winners :

S. No.	Name	Entry No.	Position
1	Gaurav Singh	2011 EEC 54	1 <sup>st</sup> Prize
2	Dharmendra Kumar	2009 EEC 26	2 <sup>nd</sup> Prize
3	Ta-Ha Mughal	2009 EAL 12	3 <sup>rd</sup> Prize
4	Anmole Sinha	2011 EEC 64	Consolation-1
5	Monika	2011 EEC 71	Consolation-2

Team for National Debate :

S. No.	Name
1	English Debate 1. Ta-Ha Mughal [2009 EAL 12] 2. Anmole Sinha [2011 EEC 64] Stand by: Ankush Gupta [2008 EME 21]
2	Hindi Debate 1. Gaurav Singh [2011 EEC 54] 2. Dharmendra Kumar [2009 EEC 26] Stand by: Abhisheka Kumar [2011 EEC 87]

3. The Debate Club organized a group discussion on the theme “Freedom of Expression” on Thursday, 27<sup>th</sup> Oct. 2011 in which around 30 students from different streams participated. The discussion was coordinated by Dr. Anil Tewari
4. The Debate Club organized a Debate on “Anna Hazare's Method of Protest against Corruption: Right or Wrong” on Friday, 8<sup>th</sup> Nov. 2011. 10 students participated in the debate and around 60



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students formed the group of audience. The debate was coordinated by Gaurav Singh (2011 EEC 54).

5. A debate was organized on the occasion of National Youth Day (12th January) on the Topic “Can Nation building be shouldered by the impulsive youth of today?” on 12<sup>th</sup> January 2012. Altogether 12 students participated in the debate which was attended by around 100 students.

## CONCORDANCE

An official meet of the first year students with the senior students, was organized at 6-8:30PM on 29<sup>th</sup> Aug. 2011 in the Matrika Auditorium. There were various cultural performances interspersed with the introductions of the new students. Hon'ble Vice Chancellor Prof. RNK Bamezai was the chief guest of the event. The function was preceded by an Orientation Programme which was organized to familiarize the freshers with the academic and extracurricular activities and facilities of the University. The Deans of four constituent Colleges and the Dean of Students' addressed the students regarding the academic and extracurricular activities of the University. The programme was concluded with the address of the Vice Chancellor. More than 1000 students, members of faculty, staff and their families participates.

### Participation of Students in Activities outside the campus

1. A Cultural Team consisting of the students from the School of Philosophy & Culture visited the Vaidika Vanaprastha Ashram and Gurukul, Hartaryan, Garhi (Udhampur) on Sunday Oct. 09, 2011. Under the guidance of Dr. Anil Kumar Tewari, Cultural Coordinator, the team attended a Yoga Dhyana Sadhana Shivar and Samveda Parayana Yagya. The team members also interacted with different Vedic scholars in the Shivar.
2. A team of three students, Dharmendra Kumar (2009 EEC 26), Gaurav Singh (2011 EEC 54) and Anmole Sinha (2011 EEC 64) participated in a National Level debating competition on the theme “Inclusive growth in India is possible only through Cooperatives” held at Natesan Institute of Cooperative Management, Chennai from 27<sup>th</sup>-30<sup>th</sup> Dec. 2011. Dr. Anil Kumar Tewari accompanied the students as the faculty-in-charge of the team. The team participated in the three competitions: Quiz Competition (Dharmendra Kumar and Gaurav Singh), Essay Writing Competition (Anmole Sinha in English and Dharmendra Kumar in Hindi) and Debating Competition (Gaurav Singh for the motion and Dharmendra Kumar against the motion in Hindi medium, and Anmole Sinha for the motion in English medium). Anmole Sinha won First Prize (Rs. 2000/- cash, Trophy and Certificate) in the essay writing competition.
3. The following students participated in the 14<sup>th</sup> All India Inter-University National Integration Youth Camp at the World Peace Centre of MIT Pune, Maharashtra from 24<sup>th</sup> 27<sup>th</sup> Dec. 2011:
  1. Ankush Gupta (Mechanical 4<sup>th</sup> year)
  2. Abhey Singh (Mechanical 4<sup>th</sup> year)
  3. Arunim Prasher (Mechanical 4<sup>th</sup> year)
  4. Faris Ahmed (ECE 4<sup>th</sup> year)

5. Saloni Gautam (ECE 4<sup>th</sup> year)
6. Ayush Pathak (CSE 3<sup>rd</sup> year)
7. Navodaya Kant (Architecture 4<sup>th</sup> year)

The event was organized by the Foundation for Amity and National Solidarity (FANS) which is a non-political, non-partisan and unaided social organization founded in Dec 1984. The Foundation is committed to spreading the ideals of amity, communal harmony and universal brotherhood amongst our countrymen. The students participated in various events such as group song, declamation contest, peace march, group discussion with eminent personalities like Farooq Sheikh, Ranbeer Kapoor, V.D. Karad, Virender Mohan Trehan and many others. The performances of the students of SMVDU were appreciated by the FANS group and other participating Colleges. On the concluding day, all the 7 students from SMVDU were rewarded with certificates of merit by the Governor of Maharashtra. The students were accompanied by Capt. Sucha Singh, Sports Coach.



### Workshop on the Constitution of India

A One-Week Workshop on the Constitution of India was organized by the office of the Dean of Students from 19<sup>th</sup> 25<sup>th</sup> Jan. 2012 as per the following schedule:

Timing	Title	Instructor
Thursday, 19.1.2012 (6-7:30PM)	Historical background, structure and salient features	Dr. Anil K. Tewari
Friday, 20.1.2012 (6-7:30PM)	Fundamental Rights and Fundamental Duties	Mr. Sumanta S. Sharma
Saturday, 21.1.2012 (11am-1pm)	Directive Principles of State Policy	Dr. Varun K. Tripathi
Sunday, 22.1.2012 (11am-1pm)	Executive, Legislature and Business of the Union and the States	Dr. Anil K. Tewari Dr. Ashutosh Vashistha
Monday, 23.1.2012 (6-7:30pm)	Judiciary, Local Bodies, Services, Tribunals, Elections	Dr. Anil K. Tewari
Tuesday, 24.1.2012 (6-7:30pm)	Special Provisions & the Constitution of J&K	Dr. Varun K. Tripathi Mr. Sumanta S. Sharma
Wednesday, 25.1.2012 (5-7pm)	Test & Valedictory	All Participants

On the basis of their performance in the test conducted after the workshop, the following students were given the prizes mentioned against their names:

1. Ms. Anshila Raina [2009EEC29] First Prize - a big-size memento and certificate

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| 2. | Mr. Dharmendra Kumar [2009EEC26] | Second Prize - a middle-size memento and certificate |
| 3. | Mr. Manish Kumar [2010 EEC 18]   | Third Prize - a small-size memento and certificate   |

The prizes were distributed by Prof. R.N.K. Bamezai, Honb'le Vice Chancellor, after the cultural programme on 26<sup>th</sup> Jan. 2012.

### **Students mounted on the Trikuta Hills on 63<sup>rd</sup> Republic Day**

The following seven students mounted on the Trikuta Hills on 26<sup>th</sup> Jan. 2012 to mark the celebration of 63<sup>rd</sup> Republic Day of India:

1. Gagandeep Chahar (2011 EEC 52)
2. Gaurav Pandey (2011 EEC 53)
3. Kumar Satyajeet (2011 EEC 56)
4. Manish Pandey (2011 EEC 38)
5. Avinash Yadav (2011 EEC 35)
6. Bam Bam Kumar (2011 EEC 12)
7. Vikash Chandra (2011 EEC 78)



### **RESURGENCE 2012**

The Annual Cultural and Sports Festival of Shri Mata Vaishno Devi University RESURGENCE '12 was organized from 6<sup>th</sup> 8<sup>th</sup> April 2012. The fest is organized by the office of the Dean of Students. The students of SMVDU are divided across disciplines into five houses, namely, Aakash, Agni, Jal, Prithvi and Vayu to showcase their talents in various categories of Dance, Music, Theatre, Literary, Fine/ Visual Arts and a brand new category introduced this year called, Beyond the Line Events. The event was inaugurated on the eve of the fest on 5<sup>th</sup> April 2012 by Prof. M.L. Garg, Dean, College of Engineering, SMVDU. The inauguration ceremony witnessed an enthralling performance of Gaudiya Dance, a semi-classical dance form of West Bengal, by Prof. Mahua Mukherjee and her team from the Centre for Studies in Dance Forms of Bengal, Rabindra Bharti University, Kolkata. This performance was followed by a Punjabi folk dance by the students of Bhangra Club of SMVDU. Following these performances were two competitive music events Tarang (light Indian Vocal) and Qawali (The Divine Search). In the next two days, various competitive events of Music, Dance and Theatre categories were organized between thees. On third Day, i.e. 8<sup>th</sup> April 2012, the inter-university events were held in which participants from the following 7 Universities and Colleges participated: Baba Ghulam Shah Badshah University Rajouri (BGSBU), Jammu University, Jammu (JU), Mahant Bachittar Singh College of Engineering and Technology, Jammu (MBSCET), Model Institute of Engineering and Technology, Jammu (MIET), Sher-e-Kashmir University of Agriculture Sciences and Technology, Jammu (SKUAST-J), Sher-e-Kashmir University of Agriculture Sciences and Technology, Kashmir (SKUAST-K) and Shri Mata Vaishno Devi University (SMVDU).

Eminent personalities from Jammu were invited to judge various events for Resurgence 2012. Among these were Shri Kavi Rattan, an eminent theatre personality from Jammu, Mrs. Shashi Ratan, a well known poetess and culture personality from Jammu, Prof. Rita Jitendra, ex-Secretary, J&K Academy of Arts, Culture and Languages, Shri Padm Nath and Mrs. Mukulini Sethi, dance instructors from Jammu, and Dr. Garima Gupta from Jammu University. Shri Kavi Rattan also delivered a special talk on theatre for the students of SMVDU on 7th April.



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The Literary events, Fine/Visual Arts events and Beyond the Line events were organized in the month of March starting from Srijan (Creative Writing) on 4th March 2012. What follows therefore are the details of various activities during the fest.

### **INTRA-UNIVERSITY EVENTS**

There were 40 events organized under culture in Dance, Music, Theatre, Literary, Fine/ Visual Arts, Beyond the Line Events. There were 16 new events introduced this year, namely, Jive-Group Dance (Theme Based) the theme for which was Comic Dance Form, Qawali (The Divine Search), TwistyWood (Bollywood Movie Enact) in which each House had to present an improvised version of a scene from any Bollywood movie, Composition (essay writing), Ver-Sus (Overcoat) in which a speaker was required to speak both for and against the topic back to back, Naqashi (Soap Carving), Picturesque (Outdoor sketching), Do-it-yourself Fashion (Costume Designing) whose theme was Masquerade, 3-D Bonanza (Decoration), Sculpt-ur-own (model making), Cut-Paste-Create (collage making), Tattoo Making, Face Painting, Spotting the hidden talent, Flash Mob, Mehndi Competition.

### **Vanguard Society**

The Students of the University formed the Vanguard Society in April 2012 as a platform to discuss various issues related to the campus life and the life in society at large. The meetings of the Society are normally held in the evening of every Monday at any hostel premise where students gather to express their opinion and concerns on various issues. The meetings are facilitated by the Cultural Coordinator. The following issues have been discussed after the formation of this Society: The Necessity of 75% Attendance, Optimum Utilization of the Non-Teaching Hours, Women Reservation Bill in Parliament, the Effectiveness of Classroom Teaching, and Mentorship of Students etc.

### **Sports Activities**

#### **SPORTS REPORT**

The department of Sports has conducted various sports and games events in the academic year 2011-12. The events are divided into two categories. In the first category, Intra-University events are conducted whereas in the second category, the Resurgence (Annual Cultural and Sports festival) events are conducted.

In the Intra-University events, Volleyball, Basketball, Football and Cricket were conducted.

#### **VOLLEYBALL**

Volleyball tournament was conducted during the month of October 2011. Eight teams have participated in the event.

Winners : **SHWETANK WARRIORS**  
Runner up : **THE MECHANIX**

#### **BASKETBALL**

Basketball tournament was conducted in the month of November 2011. In this event, eight teams have participated.

Winners : **DEADLY SHADOES**  
Runner up : **N-10**

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## FOOTBALL

The football tournament was organized in the month of January 2012. In this ten teams played against each other for the title.

Winners : **MIGHTY MOVERS**  
Runner up : **BLUE SHARPEDOES**

## CRICKET

The cricket tournament was organized in the month of February-March 2012. In this, around 15 teams participated.

Winners : **HARD ROCK XI**  
Runners Up : **CSE 4<sup>th</sup> YEAR**

After the successful completion of the above mentioned events, RESURGENCE 2012 started with KABBADI followed by KHO-KHO. The Resurgence is conducted as Inter-House where all the students are divided into five separate houses.

## Resurgence 2012 (SPORTS)

### INTRA EVENTS

There were 40 odd events organized under the sports and games head in Resurgence 2012. There were two new events introduced this year, namely volleyball (G) and Tug of War (B). The list of events is given below

Sl. No.	Event
1	100 m (B)
2	100 m (G)
3	200 m (B)
4	200 m (G)
5	400 m (B)
6	400 m (G)
7	800 m (B)
8	3000 m (B)
9	4x100 m (B)
10	4x100 m (G)
11	4x50 m (G)
12	4x400 m (B)
13	4x100 m (Mixed)
14	Shot Put (B)
15	Shot Put (G)
16	Discuss (B)
17	Discuss (G)
18	Javelin (B)
19	Javelin (G)
20	High Jump (B)
21	High Jump (G)
22	Long Jump (B)
23	Long jump (G)
24	Triple Jump (B)
25	Chess (B)
26	Bridge (B)
27	AOE (B)
28	NFS (B)
29	Carrom (B)
30	Darts (B)
31	Darts (G)
32	Basketball (G)
33	Volleyball (G)
34	Table Tennis (B)
35	Badminton (B)
36	Cricket (G)
37	Kabaddi (B)
38	Kho-Kho (B)
39	Counter Strike (B)
40	March Past (Open)
41	Marathon (B)
42	Marathon (G)

All these houses fought valiantly for glory and ultimately **JAL** house came out victorious.

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## CENTRAL LIBRARY



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## Central Library

SMVD University Library is a specialized technical library. Library is the knowledge centre of any



University which has rich resources mainly in Social Sciences, Humanities, Sciences and Engineering. The Central Library started with 2000 Books on 19<sup>th</sup> August 2004. Within a short span of time the library has acquired more than 38000 books & more than 2100 CD-ROM collections.

Various sections of the Central Library are Acquisition Section, Technical Section, Circulation Section, Reference Section, Periodical Section Book Bank Section, Computer Section, Education@UK Centre and Photocopy Section.

To enrich the Library collection with the quality books Library has organized Book Fair & Book exhibition which was participated by renowned publishers and vendors from all over India in the year 2006 & 2010. In 2009, British Council established its second centre in India at the University level for Education at U.K. Centre in the Central Library to facilitate providing information about courses offered, scholarships, and exchange programs in the U.K.

The subject coverage of the Central Library collection is Management, Economics, Engineering, Architecture, Sciences, Philosophy, Culture, Religion, English, Dogri & Hindi Literature.

### Library Collection (till date)

<b>S.No.</b>	<b>Collection</b>	<b>No.</b>
1	Reference	6000+
2	Book Bank	15000+
3	General	17000+



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**Current Library Staff Strength :**

<b>S.No.</b>	<b>Staff</b>	<b>Designation</b>
1	Mr. Subrata Deb	Librarian
2	Mr. Romesh Chander	Assistant Librarian
3	Ms. Suneeta Raina	Library Assistant
4	Mr. Sandeep Kumar	Library Assistant
5	Mr. Kishore Lal Sharma	Library Assistant
6	Mr. Ashwani Kumar	Library Assistant
7	Mr. Mool Raj	Library Assistant
8	Ms. Pooja Sharma	Library Assistant
9	Mr. Rohit Gupta	Library Assistant
10	Mr. Shiv Saran Singh	Library Assistant
11	Mr. Chandreshwar Gupta	Library Assistant
12	Mr. Jaipal Singh Jamwal	Multi-tasking Attendant

**Strength of Library :****Books Collection in the Central Library**

<b>S. No.</b>	<b>Items</b>	<b>Collection</b>	<b>Quantity</b>
1	Books	Total Collection	22994
2	CD's and DVD's	Total no. of CDs and DVDs	2100 +
3	Book Bank	Total no. of Books	15236

**Newspaper, Magazine and Journals Collection in the Central Library**

<b>S. No.</b>	<b>Item</b>	<b>Collection</b>	<b>Quantity</b>
1	Newspaper	Total No. of Newspaper	11
2	Printed Journals & Magazines	Total No. of Printed Journals & Magazines available	60
3	Online Journals	INDEST-AICTE Consortium	1007+
		UGC Infonet.Consortium	3000+

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### **OPAC/Library Automation**

The library is using the LIBSYS - an Integrated Library Management software package with all the modules for the library housekeeping operations. Users can find the latest additions of books and periodicals in the library, and status of books (issued/on shelf). Using LIBSYS OPAC(Online Public Access Catalogue), users can search the Library Online Catalogue by Author, Title, Subject, and keywords. One can also search or check the same on Internet through Web OPAC with the help of LSPremia (the web-enabled LIBSYS) software.

Library catalogue is automated and fully indexed. The catalogue can be browsed and searched by author, titles, and subject/keywords.

The entire Library collection is Bar-coded. Bar-coded identity cards printed in the Library are issued to the members. This enables circulation of books in easy, reliable and user friendly manner. Apart from this, any member can also find the status of books issued in their name, overdue, fines, etc.

### **Internet Access**

Since September 2009 Library is providing access to its users to online periodicals & various information resources from nine internet computers.

### **Digital Library**

In the year 2008, the Virtual digital Library was established with various online reference resources and access to Open Access Journals available.

### **Reprographic Service**

Library provides photocopy service to the users against a nominal charge. The photocopy service is always on high demand.

### **MEMBERSHIP**

#### **DELNET Membership**

It is not possible to procure all books or subscribe to all journals. Hence, to get books or journal reprints on request is possible through DELNET, Delhi. Library is a member of DELNET since 2007. We procure books on request through Inter-library Loan (ILL) from the DELNET. One can also find out the books or journals available in various libraries in India with the help of Union Catalogue of DELNET.

#### **INDEST-AICTE (IIT) Consortium**

Library is also a member of INDEST-AICTE Consortium for subscribing to access all the online journals in the field of Engineering, Management and Sciences. Through INDEST Consortium Library has access to various publisher journals.

#### **UGC INFONET Consortium**

SMVDU Library is also a member of UGC infonet and have access to 5 renowned publishers and JCCC database with a total of nearly 3000 online journals.

#### **Hardware (equipments) and Software**

##### **Computers**

At present there are 75 computers in the Library.

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### **Library Management Software**

At present the Library catalogue is supported by the Library Management Software called LIBSYS (LSPremia) and is available on the university server.

### **Online UPS**

For power backup to all such computers FOUR Nos. Online UPS have been procured. This will help minimizing data loss and unwanted record freezing / jamming due to unwarranted unsystematic shutdown of a system caused by power failure/load-shedding.

### **Photocopier/Photocopy Machine**

At present library has THREE latest Canon photocopy machines in the library. All these are already placed at different utility locations in the library. One old system is used as back-up arrangement in case of any failure.

### **Growth of Collection**

Till 2009 there were nearly 19000 books available. Out of these, approximately 10,000 books were for circulation and 4500 books for reference purpose. Since 2008, Book Bank facility is made available to B. Tech & MBA and MBE students. Text books are issued from Book Bank to the students on loan basis for each semester and 3500 books were available for this purpose. At present the total Book Bank collection is more than 15000 volumes. Total library collection is more than 38000 (including Book Bank).

Growth in the number of students, disciplines (Masters Degree):

- A. Sciences: (Biotechnology, Mathematics, & Physics)]; and
- B. Humanities [Masters Degrees: English Language & Literature].

Expansion of Central Library now onward is very much on priority in order to enrich the knowledge resource of the students and also keeping the faculty members abreast of latest developments in their field of specializations. Providing support and strengthening College Libraries, and opening of School Libraries is very much on the agenda.

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## Central Facilities/Cells/Centres

### Catering Facility

The catering services for the students, faculty and staff have been outsourced and are being rendered by contractors in the boy's and girl's hostels thereby reducing the management related issues for the university. Each hostel has its own Mess facility and this is monitored by a committee consisting of the Hostel Warden, Hostel Caretaker & nominated students from the hostel. Thus the students have an effective role to play in ensuring that good quality food, tasty and hygienic is available to all students. The Committee has the mandate to change the Menu as well as impose fine on the caterer in case of any discrepancy.

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### Shopping Complexes

The Main Shopping Complex, close to the Medical Center consists of 10 shops which cater to virtually all the requirements of the residents of the university including students, staff and faculty members. These shops include two Grocery cum General stores having all modern amenities, Sweet Shop, Snacks Shop, Barber Shop, SMVDU Gas Agency, Amul Outlet, Chemist Shop etc. Stationery Shop is located close to the Boy's Hostel.

### Banking & ATM Facilities

The **J&K Bank** and **Oriental Bank of Commerce** have a branch each on the campus which caters to the students, staff, and faculty members of the university. The J&K bank has the facility of an ATM. Facility of electronic transfer of funds exists with these banks. Each student of the University is required to have a Bank Account with any one of these banks which is utilized for the students' personal finance as well as any refunds from the university.

### Post-Office

The postal department has opened a post-office for the use of the residents of the university in the campus itself. The post-office has all standard facilities including Money order, Speed Post, Registered Post etc. The postal address of the campus is Shri Mata Vaishno Devi University Sub Post Office, SMVD University, Katra 182 320 J&K, INDIA

### Schools for Children

The well known Delhi Public School (D. P. S.) has opened a school in the university campus for the children of the faculty and staff members staying on campus. The school is also open to people from neighboring locality and the holy town of Katra.

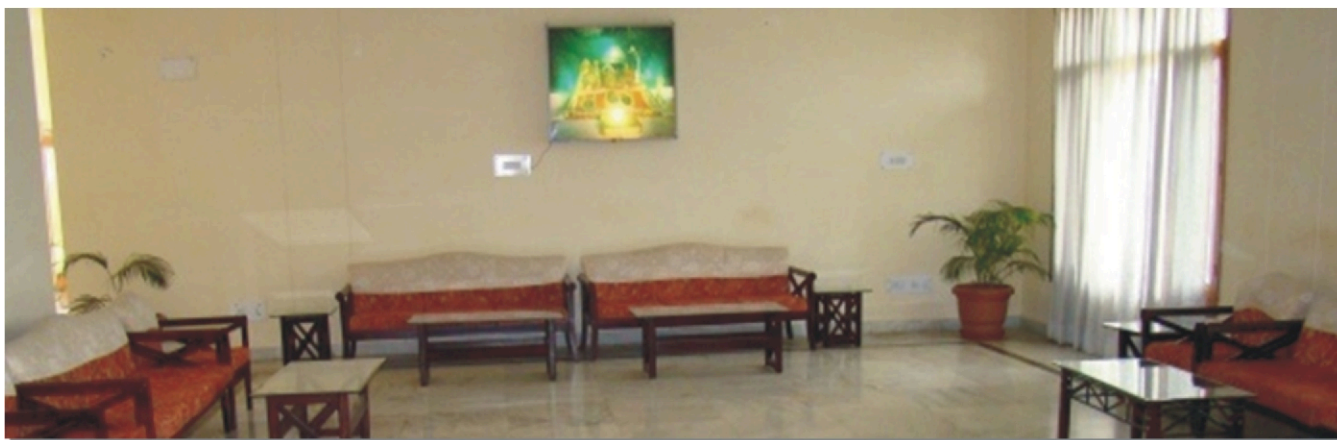




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### **University Guest House**

The University Guest House has all modern facilities and amenities to ensure a comfortable stay in the campus. Personalized care is provided to the guests staying in the Guest House. The guest house has 15 well appointed rooms and 4 suites to accommodate guests of the university, guests of the Faculty, Staff & the students. All the rooms are air-conditioned, have wall to wall carpeting & Satellite dish Connection to the Television. Mess facility with food made to order is also available in the Guest House.



### **State-of-Art Auditorium**

University has created excellent infrastructure keeping in mind the amenities needed for facilitating the recruitment process. State-of- art auditorium “*Matrika*” is equipped with excellent audio-visual facilities and with a seating capacity of 1000.

### **Seminar Hall Sanskriti Kaksh**

Seminar Hall “*Sanskriti Kaksh*” is equipped with excellent audio-visual facilities and a seating capacity of 300.

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#### **Four Special Lecture Theaters**

Four Special Lecture Theaters are equipped with audio/visual facilities are available for closer interaction between the recruiters and the students. Each lecture theatre, built like an amphitheater, has a seating capacity of 150.

#### **Telecommunication Centre**

To facilitate the telecommunication needs of the SMVDU, University had installed latest 4000 V2.0E simplex IP ready Siemens communication server. Through, 408 Analog Extension's (Expandable up to 1392 Extensions), 24 Digital Extensions, 24 trunk lines with CLIP facility on each extension. Locking/unlocking, DND, calls Pickup, Call forwarding, Polarity Reversal, add on conference (3-Party), the EPABX system is providing 24x7 telecommunication services in SMVDU campus.

The voice mail is also operational in the system which enables the outsiders to reach any extension with out any help from operator. The latest call billing software which keeps the record of all outgoing calls.

All academic Blocks, Administrative building, Central Library, Medical Centre, Essential service offices, All Hostels, Campus Main Gate1 & Main Gate2, residential complex up to Level3A and external services like Bank, Post office, etc. are connected with our EPABX system through underground cable. This Underground telephone cable is laid in the entire campus to provide the EPABX Extension and BSNL land-line numbers anywhere in the campus .

The IPSDLAM broad band internet connectivity through telecom network has been provided to various officers/officials in their offices as well as residences in the campus where LAN connectivity is not available.

The upgraded BSNL ISDN (Integrated Service Digital network), 512 line telephone exchange and a mobile tower are installed in the SMVDU campus for explicitly for the university current and potential requirements. This exchange has provided the lease line to various banks in the campus as well as out side the campus. The villagers in the adjoining areas are also taking the advantages of fault free telecommunication service.

Eight direct BSNL Landline connections are connected with our EPABX system for round the clock communication links from all extensions. Fifteen BSNL Landline connections are provided to various officers/ offices with tele-fax facility. SMVDU Telecommunication section have recently installed and integrated state of art, one 04 Channel 3G enabled GSM Fixed cellular terminal gateway with our EPABX system for continual communication services to all stockholders of SMVDU.

The telecommunication section with two highly trained technical staff provides 24x7, fault free services in SMVDU campus. Beside this, the section also provides a one roof, one stop solution for communication needs of all members of SMVDU family by Organizing "SIM MELO", a unique interface between all service providers of JK and SMVDU members.

#### **Training and Placement Cell**

Shri Mata Vaishno Devi University has established a full fledged Training & Placement office consisting of Student Coordinators, Faculty coordinators and staff members. The Training & Placement Cell assists in Campus Placements for the graduating students at SMVDU. Training & Placement Officials and the volunteers provide possible assistance to the recruiters for Pre-placement Discussions,

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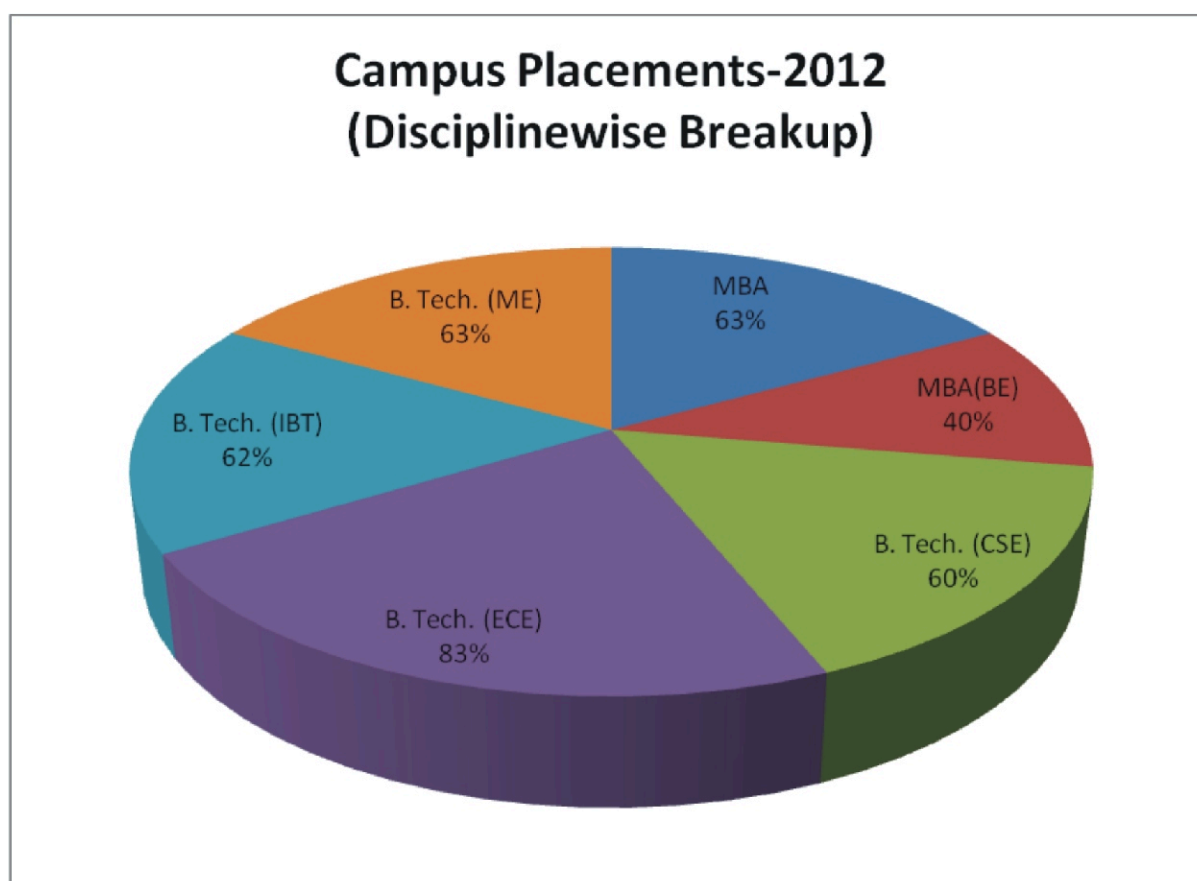
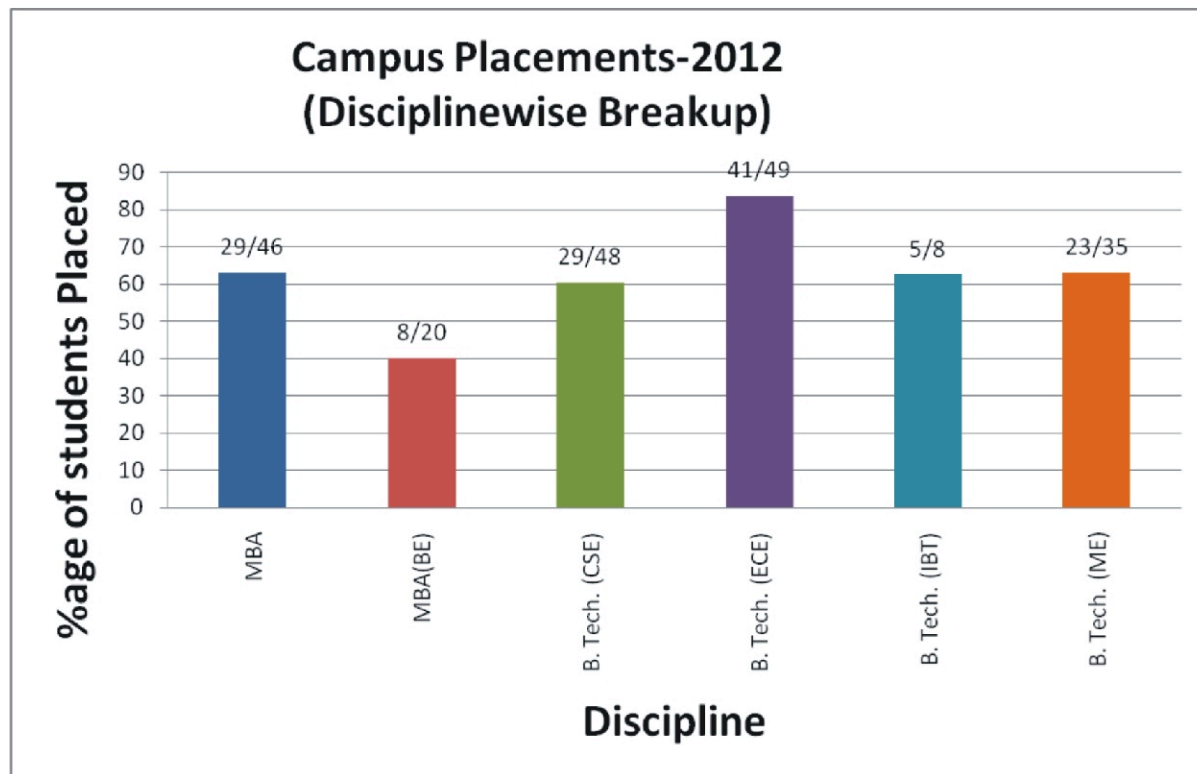
conducting Tests & Interviews and Hospitality of the Campus hiring Team.

SMVDU offers following facilities to the recruiters:

1. Lodging and Boarding facility to the Campus recruitment team.
2. Local Transportation from Jammu Airport/ Railway station and for sightseeing.
3. University Infrastructure:
  - ☆ Guest house
  - ☆ State-of- art auditorium “Matrika” of 1000 audience capacity.
  - ☆ Seminar Hall “Sanskriti Kaksh” of 300 sitting Capacity
  - ☆ Four Special Lecture Theaters each having sitting capacity of 150 persons.
  - ☆ 20 Class rooms each having sitting capacity of 60 students to conduct written test in case of pool campus drives.
  - ☆ Air-conditioned GD/ Conference rooms/ Interview rooms.
4. Facilitation for “Maa Vaishno Darshan”.
5. E-placement and video conferencing facility.

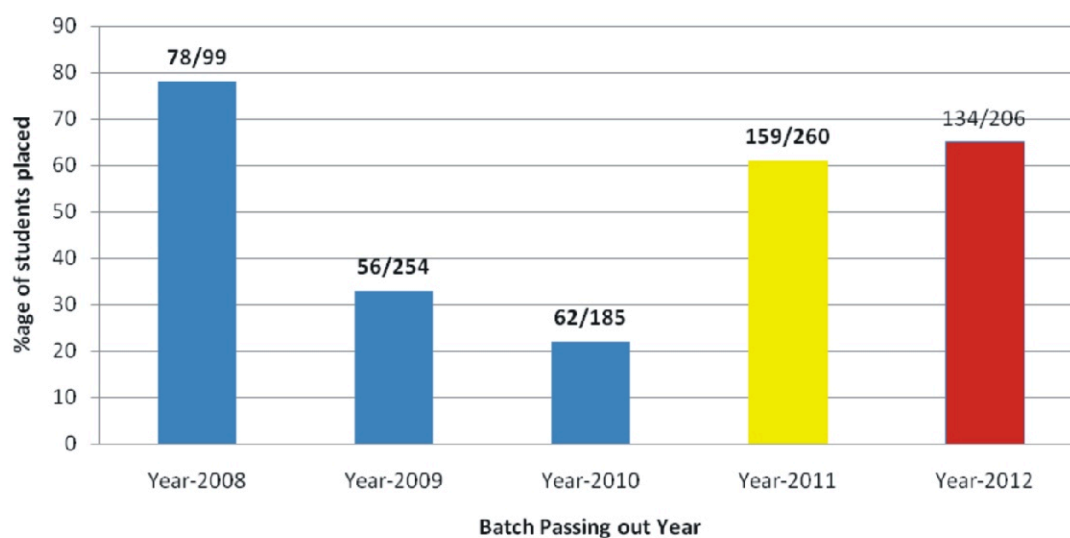
**Our Esteemed Recruiters:**

- |                                       |   |
|---------------------------------------|---|
| ☆ Tata Consultancy Services Ltd.(TCS) | ☆ HCL Technologies                        |
| ☆ HCL Info systems Ltd.               | ☆ Trident Group of Industries             |
| ☆ ICICI, Prudential Life              | ☆ Tata Tele Services,                     |
| ☆ L & T Infotech                      | ☆ BOSCH Ltd.                              |
| ☆ Capgemini                           | ☆ Sapient Technologies                    |
| ☆ Bajaj Allianz                       | ☆ Bharti Airtel                           |
| ☆ Reliance Money,                     | ☆ NIIT Ltd                                |
| ☆ Cipla Ltd.                          | ☆ M Phasis                                |
| ☆ Nulux Tools Ltd.                    | ☆ Punjlloyd ltd                           |
| ☆ ICICI Bank Limited,                 | ☆ Water Health India Pvt. Ltd.            |
| ☆ Nestle India                        | ☆ Hindustan Coca Cola Beverages Pvt. Ltd. |
| ☆ HDFC Bank                           | ☆ Sasken Communication Technologies       |
| ☆ Prathista Industries Ltd.           | ☆ Eli Lilly                               |
| ☆ Mahindra Logistics Ltd.             | ☆ Mahindra First Choice Wheels Ltd.       |
| ☆ SBI Life Insurance Ltd              | ☆ India Infoline Ltd.                     |

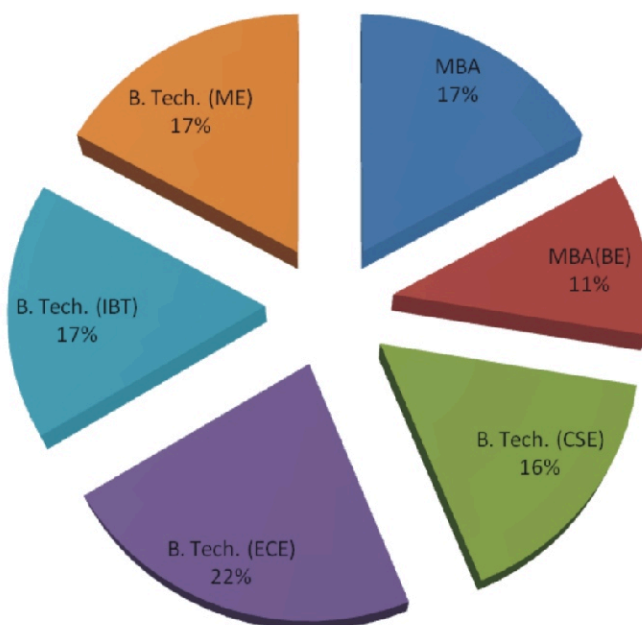


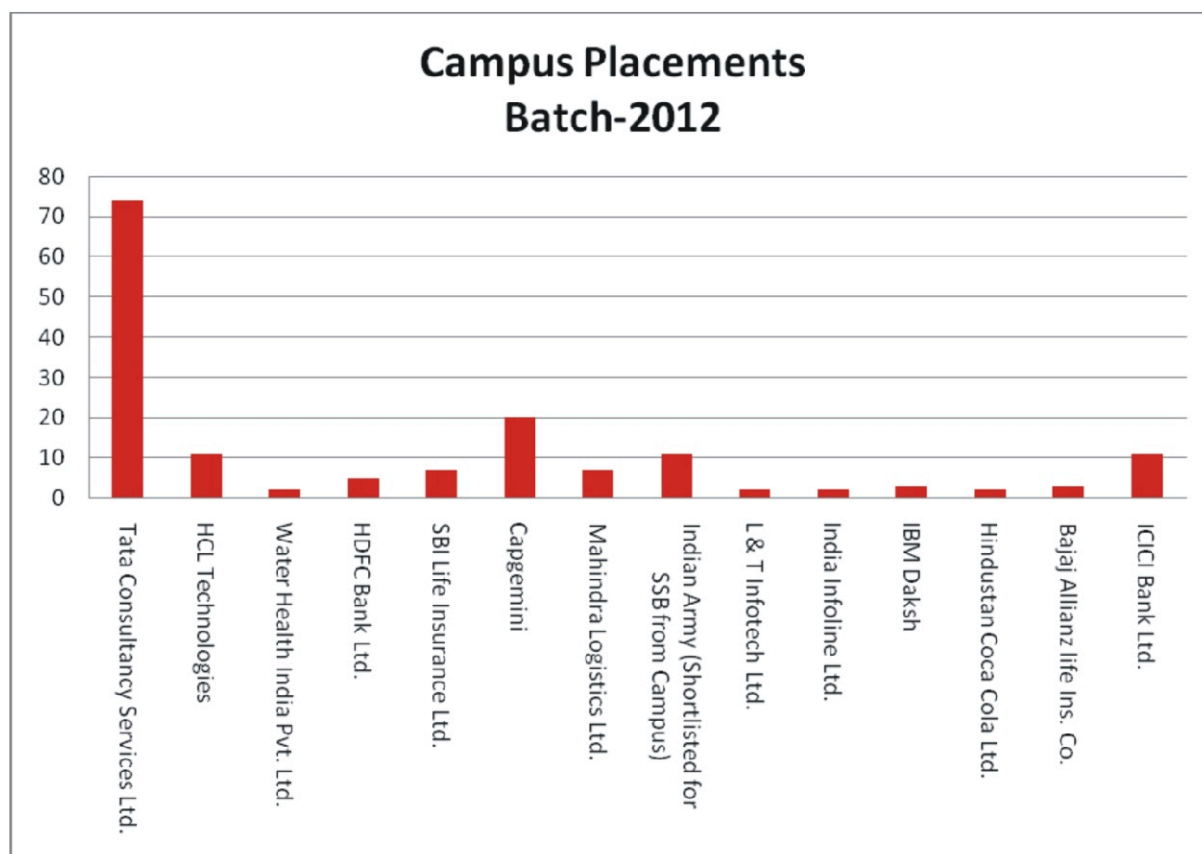
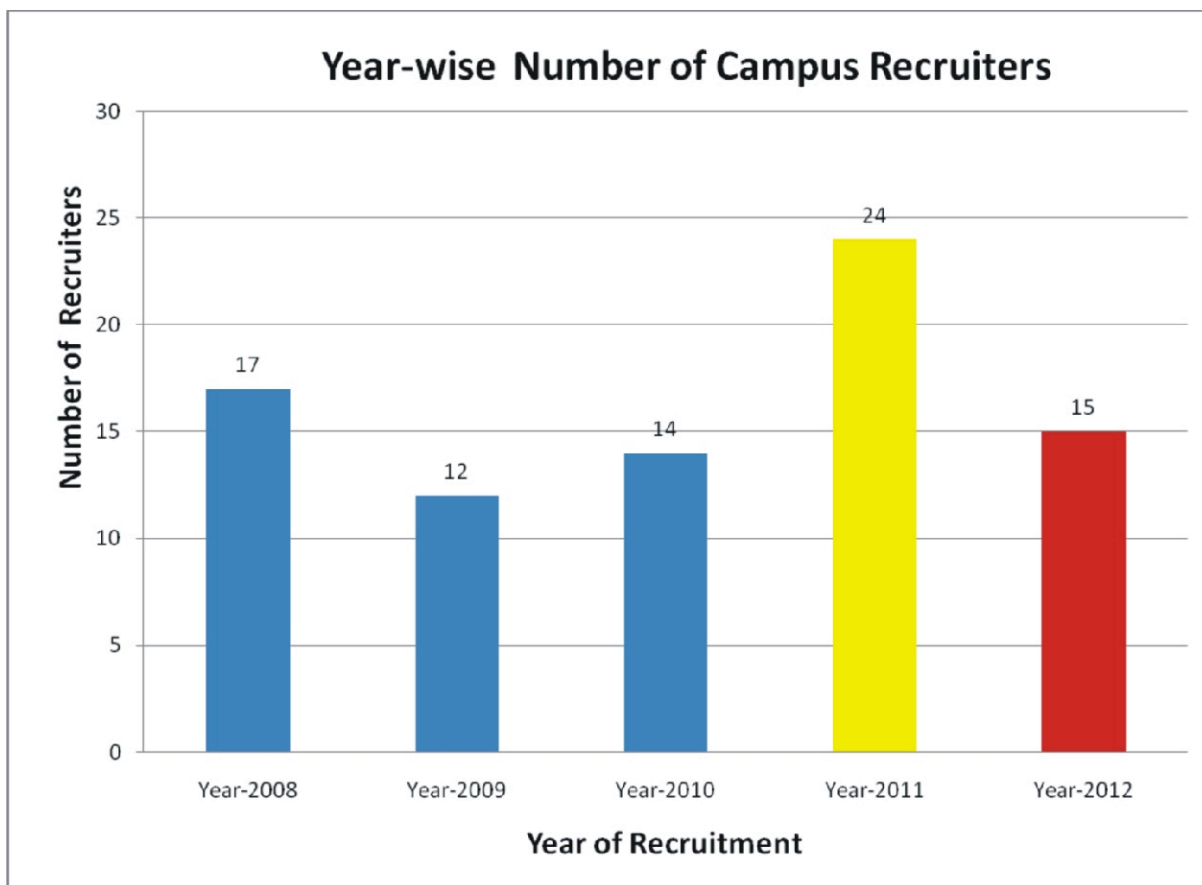


### Year wise Placement Record



### Campus Placements-2012 Comparative Overview





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## Network Centre

The available IT and Internet network of the Shri Mata Vaishno Devi University can be considered as one of the best in the state of Jammu and Kashmir in terms of the quality of equipment and demand and supply parameters. In campus wide networking phase-3 Project Network Centre has provided Internet connectivity to all departments, hostels, administrative offices, Central Library, Auditorium, School of Architecture, AP Residence, guest house, residences as well. All the departments as well as new Blocks having structured cabling system which is a complete system of cabling and associated hardware, which transmit data through a computer network. Backbone cabling is used for handling the major network traffic. The current standard for building cabling is CAT6. All the colleges and Blocks of the University connect to the network control center housed in the College of Engineering Building by Multi mode Fiber (MMF). Edge switches in each building/Blocks provide Fast Ethernet and Gigabit Ethernet connectivity and separates the internal LAN as well. The Network Centre serves as the control point for the Internet facility available in the University.

With the endeavor of Network Centre team, SMVDU is now a part of NKN (National Knowledge Network) connecting all Universities in India including IIT, IISc, NIT, etc. Uninterrupted Internet facilities have been provided in SMVDU campus with 50 Mbps internet leased line connectivity from Reliance Communications. Also, 1 Gbps Internet leased line link from BSNL under NMEICT (National Mission on Education through Information & Communication Technology) programme is successfully commissioned. Virtual Classroom facility under NMEICT is being successfully tested using AVIEW. Thus, providing online teaching to the students of SMVDU by the Professors from IIT's, IISc's. Online course module for students of SMVDU is underway which after completion, acts as a central repository for all Curriculums of Engineering and Sciences stream encompassing the modules developed under NPTEL, MIT, etc.

Central Authentication Mechanism for Internet facility using Network Management System (Internet Gateway). Maintenance of LAN connectivity via OFC throughout SMVDU Campus using Layer 3 Core Switch, over 35 distributions manageable switches, primary & secondary Firewall, etc. Maintenance of 11 Sun / IBM servers (DHCP, DNS, Proxy, Domain controller, Mail Server, Web server, Intranet Server, Symantec Antivirus Server, Library Server, Application servers for School of Mechanical Engineering, College of Management. Providing Video Conferencing facility at VC Conference Hall. Running Computer Maintenance Cell for troubleshooting of PC/Printer/Scanner/Modem, etc. Maintenance of backup facility.

Following Departments are covered in Campus wide Networking Phase-3 Project is given below:-

### **1. Central Library:**

90 numbers of nodes are installed in Central Library for internet and Intranet (Libsys) services which are connected with Cisco Manageable Switches configured and installed in Centralized place of Library which again connected with Centre Core Switch through Optical Fibre Cable (OFC). Wireless Facility provided and Surveillance IP Camera also connected through network for Security.

### **2. School of Architecture**

In Architecture Department, Internet facility provided in every Faculty Cabins and Computer lab. Edge Switches are configured and installed in ground Floor and first Floor for providing internet services. Proper Structure Cabling has been done in lab for 40 Computers.

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### 3. Guest house

The whole Guest House having structured cabling system which is connected with manageable switch for fast connectivity. Internet/network point facility provided in all rooms of the Guest House.

### 4. Hostels

All the Hostels are connected through Network Centre by Multi mode Fiber (MMF). Manageable switches in each Hostel provide fast speed for Wireless Towers.

### 5. Auditorium

The whole Auditorium having structured cabling system which is connected with manageable switch for fast Ethernet connectivity. Wireless facility also provided on Dice.

### External & Remote Access

Bharat Sanchar Nigam Ltd. is providing 1 GB connectivity through NME and all fiber links from Udhampur NIB. Airtel also providing 10 mbps connectivity through radio and Reliance providing 20 mbps which will upgraded to 40 mbps soon.

## Medical Aid Centre

Good Health Care facilities are mandatory for any residential university. Medical Aid Centre is providing services to all the employees and students of the University. Independent premises for Medical Aid Centre with better facilities is in place.

Medical Aid Centre Staff Strangth:

S. No	Name	Designation
1	Dr. Pallav Sharma	Medical Officer
2	Dr. Vidushi Kapahi	Dy. Medical Officer
3	Mr. Vijay Kumar	Laboratory Assistant (Pathology)
4	Mr. Vinod Kumar	Pharmacist
5	Mr. Manish Kumar	Pharmacist
6	Ms. Basanti Kumari	Staff Nurse
7	Ms. Meenakshi Pandita	Staff Nurse
8	Ms. Poonam Magotra	Assistant

### Facilities

OPD:-OPD services are available to all the inhabitants of the university. Emergency services are available round the clock.



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### **Laboratory**

A well equipped Clinical Laboratory with Semi- Auto analyser is functional in Medical Aid Centre.

### **Physiotherapy Unit**

A Physiotherapy Unit with all latest Physiotherapy equipments, ECG facility is also available.

### **Ambulance Service**

An ambulance is available round the clock.

### **Referral**

Referral to Government Medical College, Jammu and ASCOMS, Jammu in extreme emergency.

### **Immunization**

Under Border Cluster Scheme, on every 4<sup>th</sup> Thursday of month, a team of qualified personals of Health Department visit the campus to Provide free of cost immunization.

### **Chemist**

A well stocked and 24 hours open chemist shop is situated next to Medical Aid Centre.

Reimbursement to all indoor patients (for staff)

### **Ward**

Separate wards for male and female indoor patients. A Dental Unit will be shortly set- up having a Dental Doctor and a qualified Dental Assistant. OPD services are also rendered to inhabitants of nearby villages and CRPF camp personals.

During the year 2009 Total No. of patients seen in OPD is 7420. This year till 9<sup>th</sup> September 2010, No. of patients seen 4597.

### **Publication & Media Cell**

The Publication and Media acts as an interface between the University and the press and projection of the images of the university through print and electronic media. The Publication & Media Cell has following major functions:

1. Publication of Annual Report.
2. Publication of half-yearly newsletter "Chronicle" .
3. Coverage of all the events throughout the year.
4. Photography/video of the events, academic, cultural and sports.
5. Preparation and publication of press releases in print and electronic media.

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## GSCASH: Second Year of Sensitization and Commitment in SMVDU

Gender Sensitization Committee Against Sexual harassment (GSCASH) has evolved in the present times as a full-fledged institution for imparting gender sensitization and justice to prevent sexual harassment and gender discrimination in the campus.

Following the guidelines on the prevention and deterrence of sexual harassment in the workplace laid down by the Supreme Court of India in its 13 August 1997 judgment on the Writ Petition (Criminal) of Vishaka vs State of Rajasthan, the Gender Sensitization Committee Against Sexual harassment (GSCASH) was set up in the university in the year 2010. The constitution of committee in its second year of existence w.e.f 20/05/2011 is as under:

- |     |                       |   |
|-----|-----------------------|---|
| 1.  | Dr. Vandhana Sharma   | ( Chairperson)  |
| 2.  | Dr. Garima Gupta      | ( Faculty representative from women)                    |
| 3.  | Dr.Varun Tripathi     | (Faculty representative )                               |
| 4.  | Ms. Tripti Saitu      | ( woman officer)  |
| 5.  | Ms. Shafla Parihar    | (representative of woman staff)                         |
| 6.  | Dr.Samantha Vaishnavi | (Warden representative)                                 |
| 7.  | Mr.Saurabh Srivastava | (Warden representative)                                 |
| 8.  | Mr. Tushar Kaushik    | (Student representative)                                |
| 9.  | Ms. Vani Awasthi      | (Student representative)                                |
| 10. | Prof.Alka Bakshi      | (eminent women academician from outside the university) |
| 11. | Prof. Rita Munshi     | (member of NGO from outside university)                 |

The GSCASH has three major functions:

1. Gender Sensitization and Orientation,
2. Crisis Management and Mediation
3. Formal Enquiry and Redressal of Complaints.

### I. Gender Sensitization Programmes

Sensitization and Orientation has been the raison d'être of GSCASH in its first year so as to evolve GSCASH into a full-fledged and active institution, which has the potential to address matters pertaining to gender insensitivity, prevention, prohibition and redressal of sexual harassment issues positively; and help to cultivate an environment free of hostility, gender discrimination and inequality in Shri Mata Vaishno Devi University. Following programmes were organised by GSCASH in the year:

#### a. Public Meetings

Student representatives organized public meetings in various hostels in the Campus to debate issues pertaining to sexual harassment and gender sensitivity in the presence of the Chairperson, Dr. Vandhana Sharma.

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**b. Preparation and Distribution of Hand-Outs for Gender Sensitization**

GSCASH prepared two hand-outs for sensitizing students and other sections of the SMVDU community regarding GSCASH and its activities. The hand-outs were put up on the notice boards of all colleges and were distributed in various Schools and hostels.

**c. Poster Competition for Students**

GSCASH conducted poster competition for students in the month of March 2012.

## **Women's Day Celebration**

The International Women's Day celebrated on 8th March is a commemoration of the achievements of women the world over. This day is a tribute to the economic, social, cultural and political achievements made by women. The day was celebrated in the Shri Mata Vaishno Devi University, under the auspices of Gender Sensitization Committee or GS CASH at Sanskriti Kash. The Committee is a body in the university which works for the awareness and deterrence of any gender based malpractices. Dr. Vandhana Sharma, the Director of School of Languages and Literature and Chairperson of GSCASH organized a thought provoking programme which included a debate on "Empowering Rural Women: A Dream or a reality" followed by a presentation on women achievers and self-composed poetry recitation during the event. The debate aimed at mapping the rehabilitation of rural women, is it still a dream or a reality. A presentation was also displayed by the scholars of the same department. It journeyed through the historical and contemporary women personages all over the world. The scholars contributing to it were: Vaishali Sharma, Quleen Kaur and Simranpreet Kaur. The university student secretary Surabhi Mengi delivered the vote of thanks.

## **II. No. of Complaints filed in GSCASH during 2011-2012**

<b>Month</b>	<b>Nature of Complaint</b>	<b>Formal Enquiry and Redressal</b>	<b>Status</b>
March 2012	Female Students against a male student for offensive	Counselling of defendant and warning letter issued	Completed

## **III. Formal Enquiry and Redressal of Complaints**

From many depositions it could be understood that sexual harassment is a result of patriarchal mentality of the perpetrator and the perception that girls or women are sexual objects. During depositions of many cases, the accused mostly try to portray the girls as silly, and objectified beings. Counseling of students have been done on regular basis by the chair person to make SMVDU Gender Sensitive.

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## Visitors to the University

### **Prof. Vinayshil Gautam**

AAI-Sagar Chair & Professor Emeritus,

Department of Management, IIT Delhi, Ex-Director IIM, Khozikode delivered a lecture on topic "Creating Sharing Mindsets for Effectiveness: Some Reflections" on 14<sup>th</sup> Nov, 2011.



### **Prof. A. P. Singh**

Head of the Department of Mathematics, Central University Rajasthan delivered a lecture on topic "Some Recent Development in Complex Dynamics" on 24<sup>th</sup> Oct, 2011.



### **Prof. N.S.Rathore**

Dean, Ayojan School of Architecture, Jaipur delivered lecture on topic "First Planned City of India-Jaipur" on 13<sup>th</sup> Oct, 2011.



### **Dr.Swarkar Sharma**

Department of Research, Texas Scottish Rite Hospital and UT Southwestern Medical Center Dallas, USA delivered a lecture on topic "Genome wide association studies (GWAS) and next generation sequencing (NGS) in understanding complex disorders like Idiopathic Scoliosis"





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**Prof. Anand Prakash Pathak**

Professor , School of Physics, University of Hyderabad delivered a lecture on topic "Lon Beam Studies of Semi Conductors At Nano Scale: Synthesis, Modification & Characterization" on 14<sup>th</sup> Nov, 2011.

**Dr. Kaushik Rajashekara**

Chief Technologist, Rolls-Royce Corporation, Indianapolis delivered lecture on topic Renewable Energy Technologies for Distributed Power Generation & transport" on 10<sup>th</sup> Oct, 2011

**Prof. Anil Raina**

Punjabi University, Chandigarh delivered a lecture on the topic "Understanding Modernism and Post Modernism" on 17<sup>th</sup> Jan, 2012

**Prof. Mursaleen**

Deptt. of Mathematics , Aligarh Muslim University delivered a lecture on the topic "Sequence Spaces" on 23<sup>th</sup> Feb, 2012

**Prof. J. K. Gupta**

Director , IET Baddal, delivered a lecture on the topic "About the economic restraints under which this design was executed and these restraints led to design features on built form very distinct in its own right" on 24<sup>th</sup> of Feb, 2012.



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**Dr. N. D.Das**

Retd. Scientist & Professor, Mechanical Department, Skyline Institute of Engineering & Technology, Greater Noida delivered a lecture on the topic "Development of Submerged Arc Welding & Under Water Welding" on 12<sup>th</sup> March, 2012 .

**Prof.Saroj Mishra**

Department of Biotechnology & Biochemical Engineering IIT, Delhi delivered a lecture on the topic "Use of Pichia species as an expression vector for industrially important proteins" on 16<sup>th</sup> March, 2012.

**Prof. H. M. Srivastava**

Professor Emeritus, Department of Mathematics and Statistics, University of Victoria, Canada, delivered a lecture on topic "Elementary approach to fractional calculus and its applications" on 17<sup>th</sup> -21<sup>th</sup> March, 2012

**Prof. Rekha Srivastava**

Professor Emeritus, Department of Mathematics and Statistics University of Victoria, Canada, Spoke on the topic "Some glimpses of Hindu (or Vedic) Mathematics and Srinivasa Ramanujan" 17<sup>th</sup> -21<sup>th</sup> March, 2012

**Prof. Alan Johnson**

Idaho State University Pocatello U.S.A, delivered a lecture on the topic "Recent Trends in Research in Languages and Literature in U.S" on 27<sup>th</sup> March, 2012





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## Events of the year



### Independence Day

Bursting with patriotic fervor, the Students, Faculty & Staff of Shri Mata Vaishno Devi University celebrated the 65<sup>th</sup> Independence Day of India at an impressive and colorful function. Hon'ble vice-Chancellor Prof. R.N.K Bamezai unfurled the Tricolor & took the guard of honor followed by National Anthem. In his address, Prof. Bamezai greeted the faculty, staff and students on the 65<sup>th</sup> Independence Day and encouraged the students and faculty to take a lead and become a source of inspiration for others.



### Workshop on Hands-on Training in Bioinformatics

School of Biotechnology conducted a “**Workshop on Hands-on Training in Bioinformatics**” from 30<sup>th</sup> August, 2011 to 4<sup>th</sup> September, 2011 in collaboration with BCS-In Silico Biology (BCS-ISB), a Bioinformatics consultancy company in Lucknow in the University. The workshop was planned to provide the students hands-on experience in various Bioinformatic tools from the expert Lectures and Practical sessions conducted by Mr. Ankur Mohan (Director), Ms. Pallavi Gangwar (Project Manager) and Mr. Avinash Gupta (Faculty and BDE). The inaugural session of the workshop was held on 30<sup>th</sup> August, 2011 at School of Biotechnology which was attended by Deans and Directors of various

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Schools, Faculty members, Staff members, Research scholars, UG & PG students. Prof. V. Verma, Dean COS& Director, SBT presented the Inaugural Address of the workshop highlighting the vast scope of Bioinformatics in modern research.

### Teachers' Day

Teachers' Day was celebrated in various schools of the university on 5<sup>th</sup> Sep, 2011 on this day of National relevance celebrated to pay homage to the great Teacher & the second President of Independent India, Dr. S. Radhakrishnan, a thought provoking & a impressive function was organized by the Post Graduate Students of the School of Languages & Literature. Exhibiting their creativity and love for teachers, students recited poems and gave presentations on the topic “ Teachers as role models”. Speaking on the occasion, the Director of the school, Dr. Vandhana Sharma appreciated the overwhelming gesture of students and said that the life of teacher is painstakingly pleasurable as it involves challenges as well as a great sense of accomplishment. She greeted everyone on the occasion and the celebration ended with a refreshment which the students had organized as a token of love for their teachers. School of Mathematics also celebrated Teachers' Day on this occasion, Dr. V. K. Bhat, Director, School of Mathematics recalled the services, statesmanship and role in freedom struggle of India of Dr. S. Radhakrishnan, the second president of India. Dr. Bhat, highlighted the importance of the day and advised the students to inculcate moral values for achieving the strength and integrity. Some teachers and students also spoke on the occasion. The students of the school presented some cultural items

### Workshop on Business Skills Development



Business Skills Development Program (BSDP) was organized by MSME Development Institute, Jammu in association with College of Management, Shri Mata Vaishno Devi University (SMVDU) from 13<sup>th</sup> Sep, 2011 to 11<sup>th</sup> Nov, 2011.

The program was meant for the final year Engineering & Management students of SMVD University. The objective was to educate & motivate them to opt for entrepreneurship & business development & prepare feasible & viable projects.

In his address, Prof. R.N.K. Bamezai, stressed on imbibing entrepreneurial culture among the students and said that he was highly impressed by the business plans developed by various students. Prof. Bamezai said that SMVDU will have an MOU with MSME to capitalize on its database and



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expertise. Prof. D Mukhopadhyay, Dean College of Management, expressed his satisfaction on the successful completion of the program. Dr. Saurabh, Organizing Secretary of the BSDP program said that this program is an endeavor of College of Management, SMVD University to encourage the students to set up their own enterprises after completing the education and aspire for self employment.

### Engineers Day



Engineers' day was celebrated on 15<sup>th</sup> September, 2011 in School of Mechanical Engineering where Director SME addressed and spoke about the life of Sir Mokshagundam Visvesvaraya (1960-1962) on whose birthday Engineers Day is being celebrated every year in India. Presentation and Documentary made by Film Division, India on his life were shown to the students and faculty members of SME.

### Software Freedom Day

Software Freedom Day (SFD), 2011 was celebrated in SMVDU on 17<sup>th</sup> September, 2011. SMVDU is the only academic institution in J&K to celebrate SFD every year. SMVDU was among one of the 439 different venues worldwide where SFD 2011 was celebrated. The event was organized by OSUM (Open Source University Meet-Up) club of SMVDU. SFD is a worldwide celebration of Free and Open Source Software (FOSS). The goal of the celebration was to familiarize & promote the worldwide public about using high quality FOSS in education, in government, at home, and in business in short everywhere. SFD is celebrated every year on 3<sup>rd</sup> Saturday of September.





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A significant feature of events was presentations in which there were more than fifteen participants, where of different open source technologies were deliberated. The enthusiasm of the event was reflected from the fact that over 200 online registrations were made at the website for SFD. Other than presentations events like Quiz Contest, PHP Programming Contest, Open Your Mind, Hurry-up Time is Running were also organized. Hon'ble Vice Chancellor, SMVD University also addressed the students later in the evening sharing his experience with FOSS in research work & problem solving.

### **Workshop on Educational Resource Planning (ERP)**

A two day Workshop on the ERP Mission Project of MHRD NMEICT (National Mission on Education through Information & Communication Technology) was organized at SMVDU on 5<sup>th</sup> & 6<sup>th</sup> Nov, 2011. "ERP Mission" is an initiative of the Ministry of HRD, GOI under its NMEICT Program to create a web based open Source Educational Resource Planning Software Package to automate all functional aspects of a typical University or College. The ERP Mission Project is being developed by nine renowned institutions of the country led by IIT Kanpur and include Shri Mata Vaishno Devi University, Aligarh Muslim University, IIT Roorkee, NIT Hamirpur, IGNOU, Jamia Millia Islamia, Dayalbagh Educational Institute & Amrutha Vishwa Vidyapeetham.

Prof. R.N.K Bamezai, Vice-Chancellor SMVDU while inaugurating the workshop applauded the foresight of the Ministry of HRD & said that it is a matter of pride that SMVDU is among the nine leading institutions of the country who have been assigned the task of creating the ERP Package for use of all institutions of higher learning in the country. Prof. M.L Garg Dean College of Engineering spoke to the audience about the importance of ERP Systems and their relevance in educational systems. Mrs. Sonika Gupta, Principal Investigator (PI) of the ERP Mission Project at SMVDU informed the participants about the content of the workshop. Dr. Ajay Koul, Co-PI & Mr. Sumeet Gupta Co-PI of Project at SMVDU also interacted with the participants. Prof. Y N Singh from IIT Kanpur, National Lead coordinator of the project made a Live On-line presentation about Brihaspati Learning System. A total of 105 people including the presenters from partner institutes of the project and participants from various institutes of J&K state and other Northern states of India were present for attending the 2 day workshop.



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### Children's Day Celebrated by Vikalp

Children's Day was observed and celebrated by the children and volunteers of Vikalp on 14<sup>th</sup> November, 2011. The program started with interactive session with the students with aroma of sweets and refreshment. Roshni and Sheetal, of 9<sup>th</sup> and 6<sup>th</sup> standard respectively, shared their thoughts about



the day and about the life of Pt. Jawahar Lal Nehru. The session was followed by a home-visiting march by volunteers and faculty coordinator of Vikalp. They visited the houses of children at Kakryal village and had chat with their parents about the studies of their wards and other issues with regard to their upbringing.

### President addresses the Third Convocation

Third Convocation of Shri Mata Vaishno Devi University Katra was held at Matrika Auditorium in the University campus on Nov 26, 2011 where the President of India, H.E Smt. Pratibha Devisingh Patil was the chief guest. On the occasion, Governor N N Vohra, who is also Chancellor of the University, awarded Ph. D, M. Tech, M.Sc, M.A and B Tech degrees to the recipients while Chief Minister Omar Abdullah presided over the convocation. As many as 06 students received the degree of Doctor of Philosophy whereas 48 degrees of Master of Technology, 154 Master of Business Administration, 105 Master of Sciences and Arts and 325 were presented degree of Bachelor of Technology in various engineering disciplines. 04 passing out graduates were awarded the Chancellor Gold Medal; 02 graduates were awarded Vice Chancellor Gold Medal; 13 graduate students were awarded University Silver Medal; 07 graduate students got





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Infosys Foundation Prize for Excellence and 12 certificates of appreciation on the occasion were also given to students for their outstanding performance in academics and extra-curricular activities. A total of 672 students were awarded degrees: 342 in person and 330 in absentia.

Earlier, the Convocation was declared open by the Chancellor N N Vohra on request of the Vice Chancellor, Prof. R.N. K Bamezai, soon after the Academic Procession, followed by Chief Guest H.E. Pratibha Devisingh Patil, H.E Sh. N.N Vohra, Jenab Omar Abdullah, Vice-Chancellor SMVDU, Prof. R.N K Bamezai, Principal Secretary to His Excellency & CEO SMVDSB, Mr. R.K Goyal, Vice Chancellor Jammu University Prof. Varun Sahni, and other distinguished guests, members of Executive Council and Academic Council and Registrar SMVDU Mrs. Roop Avtar Kaur, attired in Academic Robes, entered the Hall.

Speaking on the occasion, the President of India, Her Excellency Smt. Pratibha Devisingh Patil expressed her high priority to interact with students and youth of the country as they are the ones who will shape the future. She stated that this is also the generation that will have the exciting possibility of being a part of India's journey to becoming one of the leading nations of the world. This will happen if we invest in building capabilities and capacities of our youth. Further, the President appreciated Shri Mata Vaishno Devi University which has developed a full-fledged Network Centre, with Wi-Fi connectivity and unlimited usage of internet facility to help students in their studies. She expressed hope that the students will utilize this facility in a judicious manner to increase their knowledge base, and not while away their energy in undesired directions. The President also expressed her satisfaction over the outreach programmes of the University which has been organizing for exchange of faculty and students in national and international institutions of repute.



After declaring the convocation open, H.E. Sh. N N Vohra, the Governor of the J&K State and the Chancellor of SMVD University, in his address, expressed his gratitude to the President of India for gracing the 3rd Convocation of the University and said that it is indeed a historic moment for the University and the state. His Excellency congratulated the degree recipients and lauded the efforts of the Vice Chancellor and his team in organizing the Convocation. In his address, the Chief Minister, Omar Abdullah welcomed the President of India in the state of J&K and to the convocation of



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SMVD University. He further stated that convocation is a time of great reflection as one enters into a decisive phase of one's life and he stated that the students of SMVD University are doubly blessed as they study under the benign presence of the Goddess.

### **Communal Harmony Week**

Communal Harmony Week of National Foundation for Communal Harmony (NFCH) was observed by the NSS, SMVDU. NFCH has launched its campaign for inculcating the noble ideas of communal harmony and national integrity among the students of higher education in Indian universities and institutions. As part of the week activities a fund raising and person-to-person interaction campaign was also observed on 1<sup>st</sup> Dec, 2011. NFCH (under the Ministry of Home Affairs) utilizes the funds for upbringing of the children rendered orphan due to communal riots/clashes or violence. It may also be noted that the **Flag Day** of the week was observed on 25<sup>th</sup> Nov, 2011. The volunteers of NSS had put a stall in the afternoon of the day and had interaction with faculty, guests and alumni who visited the campus for convocation.

### **Staff Development Program Organized**

AICTE approved Staff Development Program on “Introduction to MATLAB® and Matrox® Imaging Library (MIL) with Emphasis on hands on Practice (WMMIL, 11)” was organized by the School of Electronics & Communication Engineering from Dec 16 - 29, 2011.



The course was inaugurated by Prof. ML Garg, Dean, College of Engineering, Shri Mata Vaishno Devi University. Prof. Neeraj Kaushik, IIM Rohtak was present as Guest of Honor. The other members present on the occasion were Dr. Vipin Kakkar (Director, SECE) and Coordinator Dr. Amit Kant Pandit along with other faculty members.

The course was attended by the faculty from various disciplines and colleges across India. Participants especially from Maharashtra, Gujarat, Madhya Pradesh, Andhra Pradesh and North East, Jammu and Kashmir, Punjab, Himachal Pradesh were present at the inaugural ceremony. A keen interest, great zeal and enthusiasm were shown by the participants.

The course coordinator Dr. Amit Kant Pandit, presented the vote of thanks. He highlighted the need of organizing such technical training program frequently for academicians and researchers. He also expressed his thanks to AICTE, MIR Labs and Benchmark Electronics for their sponsorship and support.



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## World Philosophy Day



The School of Philosophy and Culture celebrated the World Philosophy Day 2011 on Saturday, 17<sup>th</sup> December, 2011 on the theme “Comparative and Critical Study of Religion”. There were two sessions in the Meet in which there were altogether 10 presentations. In the first session, there were three presentations by the members of faculty of the School of Philosophy and Culture, SMVDU. Dr. Anil Kumar Tewari initiated the discussion by delivering his talk on “The Nature and Relevance of the Comparison between Religions” which was followed by Dr. Varun Kumar Tripathi's presentation in which he spoke on “Religion without God”. Mr. Sumanta Sarathi Sharma talked about the relationship between “Religion and Human Rights Violations”. In his address as the Chair of the session, Prof. Shiv Nirmohi (a renowned Hindi and Dogri writer of J&K) pondered over the positive and negative aspects of religion and pointed out that morality is the essence of religion. In the second session, Dr. Nayeem Ahmed from MAM College, Jammu and Mr. Surinder Singh from the Govt. College for Women, Parade presented their views. Their talks were followed by the presentations of 4 students of the School of Philosophy and Culture: Dinesh Jamwal, Ph.D student, Vijay Kumar, Sandeep Sharma, and Ritu Raj, MA students of Philosophy. This session was chaired by Mr. Subh Dev Sharma, an intellectual from Kishtwar.

Around 60 students along with their faculty-in-charge from Govt. College for Women, Gandhi Nagar, Jammu, MAM College, Jammu, Govt. College for Women, Parade and Govt. College for Women, Udhampur were invited to participate in the celebration. Some B. Tech and Ph.D students of English also participated in the event.

## Governor releases books

Governor N. N. Vohra, released two books authored by Dr. V. K. Bhat, Director, School Mathematics and Dr. Supran Kumar Sharma, Assistant Professor, School of Business Economics of the Shri Mata Vaishno Devi University at a function held at Raj Bhawan on 23<sup>rd</sup> Dec, 2011.



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"An Introduction to Real Analysis", written by Dr. Bhat, lucidly explains the real number system, sequences, limit and continuity of functions, differentiability, integration and fundamental theorems. This book is designed to serve as a text book for undergraduate and post-graduate students of mathematics.

"Performance and Prospects of Small Scale Industries in the State of Jammu and Kashmir", authored by Dr. Sharma, presents an easy to read exposition of the small scale industrial sector of the State of Jammu and Kashmir. This book has been designed to, acquaint scholars, students and other readers with the methodology for the measurement of growth, productivity and technical efficiency.

The Governor, who is the Chancellor of the Shri Mata Vaishno Devi University, complimented Dr. Bhat and Dr. Sharma for bringing out their publications and wished them high success in their endeavours. Prof. R. N. K. Bamezai, Vice Chancellor, Shri Mata Vaishno Devi University and R. K. Goyal, Secretary to the Governor, were present on the occasion.

### Science Internship Camp INSPIRE-IV



Government of India sponsored Science Internship Camp INSPIRE-IV was organized in the University from 26<sup>th</sup> Dec, 2011 to 30<sup>th</sup> Dec, 2011. The University has already organized three successful camps in past in April, 2010; June, 2010 and May, 2011 when over 50 eminent Scientists and Academicians from all over the country mentored over 1300 young students from the state. In the Inspire-IV prominent mentors were Prof. Talat Ahmad, Vice Chancellor University of Kashmir, Prof. R.N.K. Bamezai, Vice Chancellor SMVD University, Prof. Devesh K. Sinha, University of Delhi, Dr. A Mukhopadhyay, DST, GOI, Prof. K. Karmeshu, Jawahar Lal Nehru University, Delhi, Professor Ram Pal Tandon, University of Delhi, Professor R.K. Wanchoo, Punjab University, Chandigarh, Dr. K. S. Parikh, Deputy Director, SNAA, Space Applications Centre, ISRO, Dr. A. S. Kiran Kumar, Associate Director, Space Applications Centre, ISRO.

Dr. S. K. Wanchoo, Director, SICD and Coordinator of the INSPIRE Camps expressed his satisfaction over the excellent attendance of student participants from all over the state and said that many activities like science stage shows, screening of documentaries, interactive Q&A sessions, Lab tours apart from the regular lectures shall form a part of the camp.

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## Social Responsibility

NSS organized a session on Awareness about the Abuses of Drugs to make the students aware of various aspects of health-hazards and medical risks involved in the abuse of drugs. Dr. Manu Arora, Asst. professor, Psychiatry Hospital, GMC, Jammu, conducted the session. The event witnessed participation of 125 students across disciplines.

Dr. Arora elucidated upon various aspects pertaining to the issue and presented a brief sketch about the drug trafficking and its history in the world, the political economic and cultural issues associated with it.



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## XXIII Annual Bioinformatics Coordinator's Meeting

XXIII Annual Bioinformatics Coordinator's Meeting was held at Matrika Auditorium on Feb 3rd 4th, 2012 with the focal theme: Bioinformatics in 21st Century looking ahead. The meeting was addressed to collect the progress made under the Biotechnology Information System Network in India (BTISNet- India). The Inaugural programme was held on Feb 3rd, 2012 chaired by Prof. R.N.K Bamezai, Vice- Chancellor, SMVDU and presided by Prof. M. Vijayan, Chairman, Bioinformatics, Computational Biology and Systems Biology Task Force, DBT, Dr. T. Madhan Mohan, Adviser DBT and Prof. A. S. Kolaskar, Vice Chancellor, KIIT University, Bhubaneswar. The meeting was jointly organized by the Bioinformatics Coordinators from J&K Prof. V.



Verma, Dean, College of Sciences & Director, School of Biotechnology, SMVDU, Katra and Prof. Manoj K. Dhar, HOD, School of Biotechnology, University of Jammu, Jammu.

The welcome address detailing the developments in the BIF Centre at School of Biotechnology, SMVDU was presented by Prof. V. Verma. Dr. T. Madhan Mohan, briefed the august gathering about the vibrant network and the progress of BTISNet all over the country with regard to capacity building, infrastructural development, Human Resource training and research activities.

Prof. R.N.K Bamezai, inaugurated the Website on Micro-RNA prepared under the joint collaboration of School of Biotechnology, SMVDU, Katra and National Centre for Human Genetics, JNU, Delhi.



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### Literary Festival Lit Life Celebrated

With the slogan 'Literature reflects life and lit our life' SMVDU Literary Fest-'LITLIFE' organised by the School of Languages and Literature on Feb.3,2012 to commemorate the foundation of the School was observed with the spirit of celebrating Literature by the teachers, post graduate students of masters in English, research scholars and students from other disciplines of the university in the university campus.



Prof. M.L Garg, Dean COHSS was the Chief Guest and Mrs. Roop Avtar Kaur, Registrar was the Guest of Honor in the inaugural ceremony. Speaking on the occasion , the Director of the school, Dr. Vandhana Sharma highlighted the significance of celebrations and appreciated the effort made by students in organising Lit Life and wished that the day long celebration with the events like Literary Quiz, Poster Making, Slogan Writing, Software games will be entertaining as well as enriching for the students of SMVDU and other participants from the PG department of English, University of Jammu and other affiliated colleges. The Chief Guest Prof. M.L Garg lauded the efforts made by the School and wished them all success. Ms. Roop Avtar Kaur in her address highlighted the significance of such fests which bring positivity in the environment and appreciated the efforts of the School in bringing about such kind of changes in the campus.

### Faculty & Staff Felicitates Prof. Bamezai

The faculty members and staff of Shri Mata Vaishno Devi University organized a felicitation function in the honour of the Vice Chancellor of the University Prof R N K Bamezai who has been selected for the prestigious Padma Shri Award by the President of India for his outstanding contribution in Science and Technology in 2012. The function was a gesture of the university employees to rejoice at the outstanding achievement of the Vice Chancellor which has brought great recognition not only to the university but the entire state.



Speaking on the occasion, the Registrar of the University, Mrs. Roop Avtar Kaur, IFS said that it is undoubtedly a great occasion of celebration for SMVDU which is marching towards excellence under the leadership of Prof. Bamezai. The Finance officer, Sh. S.K Sadhotra in his address said that Scientists of the caliber of Prof. Bamezai play a great role in shaping the future of nation.



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Speaking on the occasion, Prof. Bamezai thanked all the faculty members and staff of the university for such an overwhelming gesture and stated that the honour bestowed upon him by the Government of India does not belong only to him but is shared by each and every member of the university and the state. The programme ended with concluding remarks by Dr. Vandhana Sharma, Director, School of Languages and Literature who thanked Hon'ble Vice Chancellor for his ever motivating approach towards everyone since he envisages that SMVDU attain greater and greater heights and achieve much more than what it has achieved in the past six years.

### **International Symposium on Biotechnological Advances in Cancer Biology (ISBAICB-2012)**

International Symposium on Biotechnological Advances in Cancer Biology (ISBAICB-2012) was held at Matrika Auditorium, Shri Mata Vaishno Devi University (SMVDU), Katra on Feb 13th, 2012 which was a Satellite Symposium of the Ataxia Telangiectasia International Workshop held in New Delhi from Feb. 7-11, 2012. The Symposium was jointly organized by School of Biotechnology, Shri Mata Vaishno Devi University and National Center of Applied Human Genetics, JNU, New Delhi. SMVDU hosted this International Symposium to address diverse research areas focused on DNA damage, mechanisms of mutagenesis and genetic instability, and the relationships between genetic instability and human cancer. The Symposium was supported by University Grants Commission, Department of Science and Technology, GOI and J&K State Council for Science and Technology, J&K Govt.



Highlight of the inaugural session was the Keynote lecture delivered by Prof. R.N.K Bamezai, Vice-Chancellor, SMVDU which dealt broadly with the complex nature of Cancer; using breast cancer as a model. Prof. Bamezai underscored the details about the contributions made by his research group in this niche area in past 20 years.

Apart from Prof. Bamezai the other invited speakers, who are at the forefront of their respective fields, come from a variety of disciplines included Prof. Jessica Tyler, Prof. Walter N. Hittelman, Prof. Bin Wang, Prof. Junjie Chen, Prof. Leslie A. Krushel, MD Anderson Cancer Center, Houston, TX, USA; Prof. Peter M. Burgers, Biochemistry and Molecular Biophysics, Washington University, St Louis, USA; Prof. Tanya Paull, Howard Hughes Medical Institute Investigator, University of Texas, USA; Prof. Martin Lavin, Queensland Institute for Medical Research, Australia; Prof. Peter McKinnon, Prof. Sachin Katyal, St

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Jude Children's Research Hospital, USA; Prof. Thomas Ludwig, Columbia University, USA; Prof. Tej Pandita, UT Southwestern Medical Centers, USA; Prof. Altaf Wani, Ohio State University, Columbus, USA; Prof. David A. Boothman UT Southwestern Medical Center, USA and Prof. Nobuo Horikoshi, UT Southwestern Medical Center, USA. Over 130 participants from various institutions participated in the Symposium.

### **Vehicle made from scratch left for Indore to participate in the national level event**

An year long dream of the members of SAEINDIA SMVDU COLLEGIATE CLUB came to reality on Saturday when the All Terrain Vehicle, designed and fabricated by the team "The MechaniX", to participate in India famed automobile competition BAJA INDIA 2012, was bid off for Indore by Prof. R N K



Bamezai, Hon'ble Vice Chancellor and Mrs. Roop Avtar Kaur, Registrar, SMVDU. 17 student members from the club as a team of "The MechaniX" viz Akhil Mahajan, Sidharth Mahajan, Vivek Sharma, Hitesh Sharma, Varun Sharma, Nipun Sharma, Aditya Badyal, Sushant Sharma, Aditya Kerni, Sanchit Koul, Manik Sharma, Nitin Badyal, Keshav Salgotra, Akshay Bakaya, Aakash Sharma, Ritish Sharma and Dixit Gupta, all third year students from mechanical engineering department of Shri Mata Vaishno Devi University, Katra along with their faculty advisor Dr. Malhotra, left for Indore to participate in BAJA INDIA 2012, the national automobile competition organized by Society of Automotive Engineering, India where they will be competing with different teams from across the country in various static and dynamic events going to be held from 17th Feb to 20th Feb 2012 in Pithampur, Indore.

The group was working for over an year on the designing and fabrication of an All-Terrain Vehicle according to set of rules laid by SAE, India. On 2nd February the team got the final green signal from the BAJA 2012 organizers to race on the track, after the successful completion of technical inspection of the fabricated vehicle. Hon'ble Vice Chancellor and the Registrar along with faculty and workshop staff of School of Mechanical Engineering congratulated the Chairperson of the Club, Mr. Prabhat Shankar and the team captain, Mr. Akhil Mahajan for this achievement and wished the team with luck for the coming event. The team got their first success when they got selected in top 100 in Virtual Baja Competition among the 350 odd colleges across the nation. Talking about the sleepless nights of the team, Dr. Navdeep Malhotra and Mr. Yatheshth Anand told "Work is never measured in number of working hours; it is analyzed in terms of internal satisfaction", which is the key motivation for the entire team which has made this day possible.

Shri Mata Vaishno Devi Shrine board has been the main sponsor and a key role player for the whole thing coming true. Team is now looking forward for the competition at Indore and winning it over with a good margin.



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## National Science Day 2012

National Science Day was celebrated on Feb 28, 2012 at School of Physics, Shri Mata Vaisho Devi University, Katra to mark the discovery of Raman Effect by Sir C.V. Raman for which he received Nobel Prize in 1930. The event was inaugurated by Dr. Yugal Khajuria, Director, School of Physics. In his



inaugural speech he encouraged the students to pursue career in scientific research and developments. It was followed by a breif talk on “Life and works of Sir CV Raman” by Mr. Nitin Sehgal, M.Sc. student of the school.

The debate and quiz competition was organized involving students from various colleges of SMVDU. All programmes and activities revolved round the theme of event “Physics: The Essential Science”.Coordinator of the event, Dr. Vinay Kumar said that the motive behind organizing such event was to enhance the knowledge and awareness of Science and Technology among the students.

## SMVDU outreach: Science Day at GHSS Panthal

In observance of National Science Day, i.e., 28th of February, 2012, the School of Innovation and Community Development (SICD) and NSS of Shri Mata Vaishno Devi University along with a number of student volunteers conducted a series of events and demonstrations at Govt. Higher Secondary School, Panthal, so as to orient young minds to pursuit of science. Initiating the program, Dr. S. K. Wanchoo, Director I/c SICD, laid emphasis upon the importance of teaching of science and community development. Mr. Mineesh Gulati, a leading young teacher from the region, gave demonstrations on the theme 'Science in Day to Day Life'. Around 200 students of the school took active part in the demonstration.



The demonstration was followed by orientation sessions on Mathematical Sciences, Computer Education, Life Science around us, in which various shows were conducted by the volunteers and faculty members from SMVDU. Dr. V. K. Tripathi, Dr. Ajay Kaul, Dr. Sharda Potukuchi, and Dr. Samantha Vaishnavi conducted group interaction with the young students on the occasion.

## International Women's Day

The International Women's Day celebrated on 8th March is a commemoration of the achievements of women the world over. This day is a tribute to the economic, social, cultural and political achievements



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made by women. The day was celebrated in the Shri Mata Vaishno Devi University, under the auspices of Gender Sensitization Committee or GS CASH at Sanskriti Kash. The Committee is a body in the university which works for the awareness and deterrence of any gender based malpractices. Dr. Vandhana Sharma, the Director of School of Languages and Literature and Chairperson of GSCASH organized a thought provoking programme which included a debate on “Empowering Rural Women: A Dream or a reality” followed by a presentation on women achievers and self-composed poetry recitation during the event

### **National Faculty Development Programme on Entrepreneurship**

School of Innovation and Community Development, SMVD University organized a two week National Faculty Development Programme on Entrepreneurship. The programme was held in collaboration with Entrepreneurship Development Institute (EDI) of India and College of Management, SMVDU. The programme was inaugurated by Prof. R. N. K. Bamezai, Hon'ble Vice Chancellor, SMVD University on 12th March, 2012. In his innagural address he stressed on the need for such programmes and asked all the participants to utilize the two weeks to in such a manner that they are able to organize more programmes on Entrepreneurship at their respective institutional level for the students and faculty. He said that Entrepreneurship should not be taken only in the context of producing successful business but we should be able to inculcate the Entrepreneurial values and behavior among the student community. The inaugural session was also graced by Prof. V. Verma, Dean College of Sciences, Prof. D.





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Mukhopadhyay, Dean College of Management, Shri Raman Gujral, Senior faculty, and head, Central Regional office of EDI at Bhopal and Dr. S. K. Wanchoo, Director I/c SICD.

This was first such programme organized by EDI, Ahemadabad in the state.

### **Birth anniversary of Srinivasa Ramanujan**

Professor Hari M. Srivastava, Professor Emeritus, Department of Mathematics and Statistics, University of Victoria, Canada and Professor Rekha Srivastava, University of Victoria visited School of Mathematics, Shri Mata Vaishno Devi University during March 17-21, 2012.



Dr. V. K. Bhat, Director, School of Mathematics extended a warm welcome to Prof. Hari M. Srivastava and Prof Rekha Srivastava. They discussed the curriculum of M.Sc. Mathematics, library facilities, placement and other activities of the school. Dr. Bhat introduced all faculty members and staff.

Dr A. K. Das, Assistant Professor, School of Mathematics gave a brief introduction of both the guests.

To mark the 125<sup>th</sup> Birth anniversary of Ramanujan guest lectures were organized in School of Mathematics, Shri Mata Vaishno Devi University. Professor H. M. Srivastava delivered a talk on “Elementary approach to fractional calculus and its applications”. He gave a lucid description about the applications of fractional calculus. He also gave details of the literature available in this area.

Prof Rekha Srivastava spoke on “Some glimpses of Hindu (or Vedic) Mathematics and Srinivasa Ramanujan. She also gave details about the life and contribution of Srinivasa Ramanujan to Mathematics.

### **UGC Sponsored National Seminar on Wireless Communication & Networks**

A two day UGC Sponsored National Seminar on Wireless Communication & Networks with Special emphasis on Adhoc & Sensor Networks was organized by School of Electronics & Communication Engineering of Shri Mata Vaishno Devi University on 24th -25th March 2012.

The focus of the seminar was on providing a platform for the Researchers, Academicians, Industry personnel and students from various



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part of the country to interact and learn about the new inroads being made in the field of Wireless Networks & Sensor Networks. Prof. Vinod Kapoor, HoD of E&CE, NIT Hamirpur while delivering the keynote address, emphasized the importance of Optical Communication & Networks in the field of day to day communication and the establishment of the Internet backbone. Dr. Vipin Kakkar, Director, School of E&CE started the proceedings of the Seminar and gave a brief overview of the importance of Wireless Communication, Wireless Networks, Adhoc and Sensor Networks. Convener of the Seminar, Asstt. Professor Sumeet Gupta welcomed the participants and said that it was the duty of technical University like SMVDU to provide platform for such excellent interactions in the exciting field of Communication & Sensor Networks in J&K which generally is seen as being technologically backward.

About 120 participants from Karnataka, Rajasthan, Himachal, Punjab, Haryana, Uttarakhand, Delhi and J&K attended the Seminar where Research papers were presented by number of faculty and student researchers highlighting the progress being made in their respective areas. Co-Convener Mr. S B Kotwal & Mr. Ashish Suri, Asstt. Professor said that they were extremely encouraged by the feedback of the participants.

### **Titiksha: Technical Festival**

Continuing its technical excellence, Shri Mata Vaishno Devi University celebrated its annual Technical festival TITIKSHA 2K12, on 25th 26th March 2012. The slogan for TITIKSHA 2012 was “Innovating the Inventions”. This year the event witnessed participation from across the country with zeal and enthusiasm.

The event was inaugurated by Dr. Vipin Kakkar, Dean of Students, and the Convenor Titiksha 2K12. In his inspiring words, Dr. Kakkar appreciated the efforts of the students and hoped for its exponential rise. The Guest of Honour was Dr. Mukopadhyay, who motivated the students for the best. The faculty Coordinator, Mr. Anuj Mahajan enlightened the audience with this year's concept and events.



More than 50 events were organized by the soon to be engineers of university showcasing their talents. Competitions were classified under various categories. While the Mega events like INNOVATIA, BLUEPRINT provided a platform to display the research done by students; TECH MANCH and SAMADHAN aimed on understanding and applying them on Social issues. The school of electronics introduced the latest entrants to the field with a workshop on Integrated Circuits and tested them on their designing skills. Computer Sciences and engineering department fused various concepts of programming and encouraged the study of intricacies of hardware. Mechanical engineers flaunted their flashy robots while Biotech students competed in case studies. The school of Architecture held a plethora events varying from CAD skills and landscaping to mask painting and tattoo designing.

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The SMVDU family, this year, extended its arms across the country. Around 40 students from various institutes participated in these competitions to check their technical competence. The participating institutes were Arya College of Engineering & Technology Rajasthan, NIT Srinagar, Punjab University, MBS CET Jammu, GCET, Jammu.

### **International conference on Myth, Orality and Folklore in the World Literature (With Special reference to Rabindranath Tagore)**

Three days International Conference on Myth, Orality and Folklore in World Literature (with Special Reference to Rabindranath Tagore) was inaugurated at Matrika Auditorium of Shri Mata Vaishno Devi University on 29 March, 2012 . Organised by the School of Languages and Literature of the university, the conference is partially funded by Ministry of Culture under Tagore Commemoration Scheme, University Grants Commission and Indian Council of Philosophical Research. Padmashree Prof. R.N. K Bamezai was chief Guest on the occasion. In



his inaugural address, Prof. Bamezai dwelt upon the relevance of revisiting the past in order to reshape the future. He further stated that Oral, Tradition has been enriched in the present world by electronic revolution.

Prof. Indranath Chaudhari, former secretary Sahitya Akademi, New Delhi delivered the keynote address. Unlocked by the keynote address by an erudite scholar, eminent scholars from different parts of the country and abroad will deliberate on various aspects of issues relevant to the study of Myth, Orality and Folklore in the works of the writers of the world in all their diversity and complexity.

In the welcome address, the conference coordinator, Dr. Vandhana Sharma, Director of the School of Languages and Literature highlighted the genesis of the conference which aims at juxtaposing Gurudev Tagore with other writers of the world for a more deeper understanding of the writer. A galaxy of scholars from different parts of the country and abroad are participating in the conference. Prominent amongst them are Prof. Alan Johnson from Idaho State University , U.S. A, Prof. Jay Hansford Vest from University of North Carolina Pembroke, Prof. Jasbir Jain, University of Rajasthan, Prof. Tutun Mukherjee Head, Centre for Comparative Literature, University of Hyderabad , Prof. Usha Chaudhari University of Delhi, Prof. Mahua Mukherjee from Kolkatta.

Other special features of the First day were a spectacular performance, Astanyika by Prof. Mahua Mukherjee. Prof. Mukherjee is a professor of dance at Rabindra Bharti University, Kolkatta and her performance is based on the use of myth in the songs of Rabindranath Tagore. In addition to this the students of the university performed the English adaptation of the famous Dogri play Bawa Jitto written by Padmashree Prof. Ramnath Shastri and translated into English by Dr. Vandhana Sharma, Director of the host school and coordinator of the conference. The play was directed by Mr. Neeraj of Natrang. Students from different Schools of the university enacted in the play. Dr. Neeru Sharma delivered the vote of thanks.



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## **Tatva : The Management Fest**

National Level Management Fest, Tatva'12, has been inaugurated at Shri Mata Vaishno Devi University, Katra on 12th April, 2012. Tatva' 12, a two day event organized by College of Management, aims to provide excellent opportunity to students from multitude of backgrounds to show their talent and compete with best of brains. Mr. Sudhir Sharma, DGM Tata Docomo, Ms. Roop Avatar Kour, Registrar SMVD University, Dr. Vipin Kakkar, Dean of Students and Prof. Mukhopadhyay, Dean College of Management honoured the event by their gracious presence. Mr. Sudhir Sharma emphasized the importance of the word 'Tatva' and asked the students to build in, believe in, follow and have faith in it which will act as a guiding principle in their life.



Plethora of events is being organized to satisfy all competitive itches. Sponsored by Jammu & Kashmir Bank Ltd., JK Channel, Retailme.in, Myjammu.com, Shalimar Cattle Feeds, VLCC, VS Flowers, this event shall witness participants applying their competencies in Jingle Making, Ad-Mad Show & Launch a Product, Smart Sim, Recycle Bin, Business Quiz, Welcome to Hell, Future CEO, and Barter King. About 100 students from various business schools like ARNI University, Himachal Pradesh; Doon Business School, Dehradun; Central University of Kashmir, Kashmir; The Business School, University of Jammu; Kathua Campus, Bhaderwah Campus, University of Jammu; SET Business School, Jammu; IIPS, Jammu; MBS, Jammu; MIET, Jammu are participating in this event.

## **MBA Students win at National Logistics Talent Hunt**

Faced with a huge deficit of almost 4.0 lakh skilled manpower and trained managers in logistics industry the T2P consultants a division of DTDC along with the Chartered Institute of Logistics and Transport(CILT) organized a National Level logistics Talent Hunt., an event for the Logistic Industry. The Talent Hunt was supported by organizations like First Flight, Mahindra Logistics, Blue Star Aviation, Aramex and many others.



The objective of the contest was to provide a platform for Management Students to interact with top executives and recruiters from the industry and for providing an exposure and opportunity to students to present their fresh ideas and display their potential to the industry. The following two teams were nominated from SMVDU: SMVDU Five - : Tarun Sharma (Team Leader); Akhil Verma; Sahil Bhagotra; Sahil Sharma; Sudhir Manhas with Topic\_ Logistics Challenges of E-Commerce & Brighter India- Team Members: Puneet Gupta (Team Leader). Ashish Dharmat, Hansika Bhat, Puneet Kour Bali, Shevetaank Sharma with Topic- Public Distribution System Logistics Solution

The two teams were mentored by Dr. Sunil Giri for preparation of their white papers and presentations and were facilitated by Mr. B K Bhatia, T&P Officer. Each team was expected to present a white paper



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followed by a presentation on their topic. Over 150 institutions from across the country filled their nominations out of which 60 were allotted topics. Out of the 60 teams only 28 were called for presentation and 05 teams were selected for the awards in the various categories.

Based upon the presentation and queries the SMVDU Five team won the first prize in the category of Logistics Challenges of E-Commerce and the team Brighter India stood the runner up in the category of Public Distribution System Logistics Solution. The winning team was awarded Trophies & certificates besides a Cash award of Rs 25000 and Placement assistance for the winning team members. Vice-Chancellor Prof. R N K Bamezai felicitated the Team and expressed satisfaction on the efforts made by faculty members to inculcate industry relevant concepts among students.

### **SMVDU- Hub of Placements in J&K**

Shri Mata Vaishno Devi University over the years has made the university a hub of placements in the state of Jammu and Kashmir. As envisaged by the Vice Chancellor, Prof. R.N.K Bamezai who had issued special instructions to the T&P Cell of the University to cater to the needs not only of the university but of the entire state, the university has been striving for the placements not only of its own students but also for the students belonging to various engineering colleges of the state. All major IT companies, like, TCS, HCL, Infosys, L&T , Capegemeni, have kick started their



campus recruitment much ahead of schedule for the current session. As per latest available information, the total hiring of fresher's for the session 2012 is expected to be more than 2 lacs.

The campus placement season at Shri Mata Vaishno Devi University commenced in a spectacular manner with a massive recruitment drive by Indian Multi-national giant TATA Consultancy Services and HCL who selected a record 74 and 11 Engineering students respectively from Shri Mata Vaishno Devi University amounting to 70% placement of the total batch strength of the outgoing batch. GCET Jammu also participated in TCS campus drive held at SMVDU where 27 students of GCET were also placed.

After a policy change by NASSCOM, TCS chose SMVDU as one among the first institutions in the country to initiate the recruitment process for this year. A high level 11 member team from TCS conducted the Campus placement exercise at SMVDU campus. The intense competitive and exhaustive recruitment process was spread over two days with On-line written test followed by two levels of interview. The students have been selected for the position of Associate Software Engineer with an annual package of Rs.3.16Lakh. Moreover, 11 students of SMVDU got placed in HCL Technologies as Graduate Engineering Trainees with an annual package of Rs.3.25 Lakh.

The TCS team was extremely impressed with the quality of students recruited which they insisted has improved significantly over last year. Last year TCS had hired 39 students from SMVDU. Vice-Chancellor Prof. R N K Bamezai expressed his satisfaction at such large number of selections by TCS and

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assured all support for such drives in future which would help in seeking employment opportunities for the students of J&K. Prof. Bamezai congratulated the selected students and asked them to act as brand ambassadors for SMVDU at TCS.

Mr. B K Bhatia, Training & Placement Officer, SMVDU expressed satisfaction at the selection of large number of students from SMVDU by TCS and HCL and indicated that this was just the beginning of the placement session at SMVDU and more such opportunities were lined up for the students. In a pool drive of L&T Infotech, the university has invited a smart number of students from J&K and approximately 800 students are expected to participate from the different parts of the state.

### **Fascination of Plants Day**

On the Occasion of the first “Fascination of Plants Day” being celebrated internationally under the umbrella of European Plant Science Organization (EPSO), School of Innovation and Community Development (SICD), SMVDU; organized an interactive awareness session on May 18, 2012. The Fascination of Plants Day has been adopted by 39 countries, 29 from Europe and 10 from North- and South America, Asia, Australia and Africa. More than 580 institutions - ranging from botanical gardens to plant research centers - are hosting different kinds of public and media events which are all closely related to basic plant science, agricultural research, environmental conservation, biodiversity, education and arts. On the occasion, lectures were delivered by faculty and plant scientists from various Institutions in and around Jammu: namely by Dr. Gandhi Ram and Dr. Suphla Gupta from IIM Jammu; Prof. D. P. Abrol, SKUAST, Jammu; Dr. Aftab Mir, State NMPB Jammu; and in-house faculty members Prof. V. Verma, Dr. Sharada Potukuchi and Dr. Samantha Vaishnavi.



*A University stands for humanism, For tolerance, for reason, for the adventure of ideas and for the search of truth. It stands for the onward march of the human race towards ever higher objectives. If the Universities discharge their duties adequately, then it is well with the Nation and the People.”*

*Pt. Jawaharlal Nehru*