



SHRI MATA VAISHNO DEVI UNIVERSITY

15th ANNUAL REPORT 2018-19

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VISION

Establishment of a scientific and technical university of excellence to nurture young and talented human resources 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 levels of excellence.

OBJECTIVE

- 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

Chancellor's Message



GOVERNOR
JAMMU & KASHMIR

RAJ BHAVAN
SRINAGAR-190001

I am happy to learn that Shri Mata Vaishno Devi University (SMVDU) is shortly bringing out its Annual Report (2017-18).

The Annual Report provides the bird's eye view about the university including its history, chronological milestones, information on academic faculties, students, etc. The Annual Report informs us about the major activities undertaken by the university in the past one year and how university is planning to organize events in the coming year so that a steady growth of the institution is sustained. The report also gives us an update on the status of endowments and financial results for the current fiscal.

I learn that the university has been imparting quality education through outcome and value based education system, and hope that the recently started new courses in Engineering will add up to that tradition at the university. I have been informed, in the past years, the university administration has signed a number of MoUs with institutes of national repute, also, many progressive and advanced decisions were taken by the university's Executive Council.

I congratulate Vice-Chancellor and his team involved in the compilation of Annual Report. I wish high success to the faculty members, staff and students of the university.

7th September, 2018
Srinagar

Satya Pal Malik
(Satya Pal Malik)

Vice-Chancellor's Message



Shri Mata Vaishno Devi University

Kakryal, Katra-182320 (J&K) INDIA

(A Statutory Technical University of J&K Legislature; recognized u/s 2(f) & 12(B) of UGC)

Prof. (Dr.) Ravindra Kumar Sinha

FLS (London), FAZ, FZSI, FNIE, FIFSI, FAEB, MNAsc.

Vice Chancellor

Padma Shri Awardee

The Order of the Golden Ark Awardee (The Netherlands)

Recipient of the Swarna Jayanti Puruskar (NASI)

Member, Cetacean Specialist Group (IUCN)

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Message

I am happy to present the 15th Annual Report of Shri Mata Vaishno Devi University (SMVDU), of the academic year 2018-19. The report highlights the efforts made by the university towards achieving excellence in teaching, research and institutional management.

The university witnessed a large number of quality publications in Science Citation Index (SCI) and high H-index journals. The university has also raised the standards of teaching, learning and research, which is reflected in the achievements of all schools and sections of the institution. Quite significantly, the university succeeded in implementing the benchmarks of performance for individual faculty members and departments. Also, a number of important Memorandums of Understanding (MoUs) were signed with the institutes of great repute. A regular conduct of the academic audit by the eminent committee appointed by the Hon'ble Chancellor, Sh. Satya Pal Malik, proved to be a boon in obtaining guidance and encouragement for incessant progress. Now, the university proudly stands amidst IITs, NITs, and IIITs as a seat of learning with a ranking under top 100 Engineering institutions by the NIRF, MHRD.

In the last academic year, the SMVDU-Technology Business Incubation Centre (SMVDU-TBIC) nurtured innovations, provided financial and legal support to budding entrepreneurs and start-up ideas; the Placement Cell assiduously strived for students' capacity building and development; and the Directorate of Quality Assurance (DQA) ensured that best quality practices to be implemented in the university on time-to-time. The revised admission policy of the university, incorporating Shri Mata Vaishno Devi University Entrance Examination (SMVDUEE), JOSAA/CSAB, and School level entrance examination helped in getting good students, while the best practices such as, student-centric teaching-learning process, curriculum revision, transformation of traditional classrooms into smart studios, and interaction with industry and academicians of national and international repute, drastically improved the quality of teaching and research.

The members of faculties regularly participate in the national and international academic events. The university also assists them financially through Professional Development Assistance (PDA). The meritorious students are provided with scholarships and other financial assistance. The research scholars and students regularly bring laurels to university, and the alumni trumpet about the institution and visit their alma-mater frequently. I congratulate them, and wish that they may excel it further.

I congratulate the Publication and Media Cell (PMC) for bringing out the Annual Report of the university, and presenting its achievements effectively.

9th September, 2019

Katra, J&k.


Prof. (Dr.) Ravindra Kumar Sinha

1. Introduction
2. Milestones Since Inception
3. Governing Bodies

Academic Faculties & Schools of Study

4. School of Computer Science & Engineering
5. School of Electronics & Communication Engineering
6. School of Energy Management
7. School of Mechanical Engineering
8. School of Electrical Engineering
9. School of Civil Engineering
10. School of Architecture & Landscape Designing

Faculty of Management

11. School of Business
12. School of Economics

Faculty of Sciences

13. School of Biotechnology
14. School of Mathematics
15. School of Physics

Faculty of Humanities

16. School of Languages & Literature
17. School of Philosophy & Culture

Others Sections

18. Dean of Students' Welfare
19. Central Library
20. Central Facilities/Cell/Centres
21. TEQIP-III @ SMVDU
22. Directorate of Quality Assurance
23. GSCASH Annual Report

Introduction of the University

An Overview of the University

In the year 2019, Shri Mata Vaishno Devi University successfully completes fifteen years of its academic existence. Ever since its inception, the odyssey of this university has been arduous besides being a sublime combination of visioning and re-visioning. Hence, the fifteenth annual report is not only a rigorous exercise of retrospection but also an acute attempt to envisage the future action plan.

The university was established with a foundation grant, and continuing support from Shri Mata Vaishno Devi Shrine Board, the managing body of Shri Vaishno Devi Mata, one of the supreme shrines of north India. Cradled in the foothills of divine Trikuta hills and spreading over a campus of more than 370 acres, the university has picturesque, serene campus with an intellectually stimulating environment for the knowledge seekers to be engaged in a meaningful process of learning and self-realization. In addition to this, the university provides academically motivating ambience for effective research and novelty of thought for the welfare of humanity. To maintain and enhance its teaching and research, the university makes consistent efforts to consolidate, expand and enhance its teaching-learning resources.

The university has been maintaining academic vibrancy with a substantial focus on ethics and social commitment which is reflected in the vast array of activities being held on the campus regularly. The constitution of the Students' Affairs Council in the year 2014 was an attempt to instill organizational and leadership skills in students. Every member of the university is motivated to prioritize collective interests and work progressively towards creating an efficient system. The faculty members are shaping their knowledge and skills to become a repository of creative genius, and students are an infinite reservoir of potential talent and innovation. The introduction of Professional Development Assistance (PDA) for the faculty members is a rare opportunity for the teachers of SMVDU. The university takes pride in stepping into an enviable position of excellence and feels 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 the vibrant Union Territory of Jammu & Kashmir.

The university provides education and knowledge through five academic faculties, fourteen schools of study, six non-academic cells/centers, and eight academic research centers/cells. The university offers the Ph.D. Degree in thirteenth disciplines which are: Management, Architecture, Economics, Mathematics, Physics, Computer Sciences & Engineering, Chemistry/Chemical Biology, Energy Management, Biotechnology, Languages & Literature, Mechanical Engineering, Electronics & Communication Engineering, Civil and Electrical Engineering, and Philosophy; M. Tech. in four disciplines which are: Electronics and Communication, Mechanical Engineering, Computer Sciences & Engineering and Energy Management; Post Graduation in seven disciplines which are: MBA, M.Sc.(Economics) Five years integrated Dual Degree Program, Mathematics, Physics, Biotechnology and Languages & Literature; B. Tech. in six disciplines which are: Electronics and Communication Engineering, Computer Sciences & Engineering , Mechanical Engineering, Industrial Biotechnology and B. Architecture, Civil & Electrical Engineering. This all is being done in tune with the vision and mission of the university so that human mind follows the path of creativity for the welfare of mankind.

Photo Album-II

University at a Glance

1	Location	Katra, District-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 th 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	370 acres	A mesmerizing valley symbolizes omniscience of goddess with a view of the abode of mother 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	Three Helipads.
		Auditorium	Matrika Auditorium with 1000 seating capacity-state of the art stage, audio & video projection system.
		Sanskriti Kaksh	A mini auditorium with 400 seating capacity.
		Seminar Rooms	Four specially designed seminar rooms with 200 seating capacity for special lectures, seminars & other interactive sessions.
7	Non-Academic Cells/Centres	Telecommunication Section	<p>BSNL ISDN (Integrated Service Digital Network) 512 line telephone exchange and a mobile tower.</p> <p>Siemens Hipath 4300 to Hipath 4000 V2.OE Simplex IP reading communication server with 576 Analog Extensions, 24 Digital Extensions</p>

			and 32 trunk lines with CLIP facility on each extension.
		Network Centre	IBM, Sun Solaris servers running latest software like MS-Windows 2003 & Red Hat Linux EE. Reliance link for internet connection 10 mbps.
		Publication & Media Cell	Publication of Prospectus, UG and PG study courses, MBA Brochure, B. Tech. Brochure, Arth Anveksan, Annual Report, Chronicle, Numerous Leaflets, Booklets and Posters. Media Coverage of the events organized in the University.
		Maintenance Cell	Maintenance and repair of the computer hardware and its related accessories of the whole campus.
		Gender Sensitization Committee against Sexual Harassment Cell	Gender sensitization and orientation crisis management and mediation formal enquiry and readdressing.
		Hindi Cell	Promoting Hindi on Campus.
8	Number of Faculties	Five	Faculty of Engineering Faculty of Humanities & Social Sciences Faculty of Management Faculty of Sciences Faculty of Nursing

9	Number of Schools	Fifteen	School of Architecture & Landscape Design School of Biotechnology School of Business School of Economics School of Languages & Literature School of Mathematics School of Mechanical Engineering School of Philosophy & Culture School of Physics School of Computer Science Engineering School of Civil Engineering School of Electrical Engineering School of Energy Management School of Electronics & Communication Engineering
	Affiliated College	One	Shri Mata Vaishno Devi University College of Nursing.
10	Total No. of Faculty Members	125	In various Schools
11	Total No. of Staff Members	188	In various Schools and Sections.
12	Program Offered	Twenty eight	B. Tech, B.Sc (Nursing), M. Tech, M.A, M.Sc., MBA, Ph.D., M.Sc.(Economics)- Five Years Integrated.
13	Research Centres/Cell	Eight	Centre of Excellence in Biotechnology Centre for Embedded Instrumentation & Networked Controls Research and Development Cell in the School of ALD Centre of Excellence for Entrepreneurial Development Centre for Energy Management & Water Resources Nano Tech Cell

			Centre for Advanced Manufacturing Regional Centre of Indira Gandhi National Centre for the Arts
14	Amenities	Medical Aid Centre Guest House J&K Bank Ltd. OBC Bank Post Office	Shopping Complex Café & Eating Points Delhi Public School Children's Library Fountain Park Children's Park
15	Others		FDC- Faculty Development Centre TBIC - Technology Business Incubation Center TEQIP-Phase -III DQA - Directorate of Quality Assurance EOC - Equal Opportunity Cell EDC – Entrepreneurship Development Cell UBA- Unnat Bharat Abhiyan EBSB- Ek Bharat Shreshtha Bharat IIC- Institution's Innovation Council

Milestones since Inception

S. No.	Date	Event
1	December, 2019	7 th Convocation addressed by H.E. Sh. Satya Pal Malik Hon'ble Governor, J&K & Chancellor.
2	August, 2019	Padam Shri Prof. R.K. Sinha took over as the Sixth Vice Chancellor of the University on 6 th August 2019.
3	February, 2019	Foundation Stone of Indoor Sport Complex laid by Dr. Sanjeev Jain, Former Vice Chancellor, SMVD University.
4	February, 2019	Foundation Stone of Accommodation for Married Scholars laid by Dr. Sanjeev Jain, Former Vice-Chancellor, SMVD University.
5	February, 2019	Inauguration of Shivalik Hostel Block-B by Hon'ble Member Dr. Jatiendra, MoS (PM Office), in presence of the Vice -Chancellor, SMVD University.
6	February, 2019	Foundation Stone of New Academic Block laid by Dr . Sanjeev Jain, Former Vice-Chancellor, SMVD University.
7	August, 2019	MoU signed between SMVDU and National Institute of Solar Energy (NISE).
8	June, 2019	MoU signed between SMVDU and The Institute of Public Enterprises (IPE).
9	May, 2019	MoU signed between SMVDU and Institution for Innovation, Industrial Engineering and Entrepreneurship(IIIEE).
10	January, 2019	MoU signed between SMVDU and the University of Cambridge, UK & Indian Institute of Science Education and Research Kolkata, India.
11	January, 2019	MoU signed between SMVDU and Jawaharlal Nehru Technological University(JNTU).
12	December, 2018	MoU signed between SMVDU and Chaudhary Ranbir Singh University.
13	December, 2018	MoU signed between SMVDU and IIT Jammu.

14	October, 2018	MoU signed between SMVDU and TES Global Ltd., London.
15	July, 2018	MoU signed between Indira Gandhi National Centre for the Arts (IGNCA) and SMVDU.
16	July, 2018	MoU signed between SMVDU and Direct Admission of Students Aboard (DASA).
17	June, 2018	MoU signed between SMVDU and Centralized Counseling for M. Tech (CCMT).
18	April, 2018	Sixth Convocation addressed by Sh. Ram Nath Kovind, Hon'ble President of India.
19	January, 2018	MoU Signed between the Department of Wildlife Protection, J & K Govt. and SMVDU.
20	October, 2017	Inauguration of the Boys Hostel Basoli Block (C & D) by Sh. N.N. Vohra, Former Governor, J&K & Chancellor, SMVD University.
21	October, 2017	MoU signed between SMVDU & Haryana Vishwakarma Skill University.
22	June, 2017	MoU signed between Semi-Conductor Laboratory (SCL), Chandigarh and SMVDU.
23	May, 2017	MoU signed between Gujarat Forensic Science University and SMVDU.
24	June, 2016	MoU signed between NBCC (India) Ltd. & SMVD University.
25	April, 2016	Fifth Convocation addressed by Sh. Narendra Modi, Hon'ble Prime Minister of India.
26	March, 2016	Dr. Sanjeev Jain took over as the fifth Vice-Chancellor of the University on 17 th February 2016.
27	September, 2015	Foundation Day of SMVDU.
28	August, 2015	Decade of existence & excellence.

29	March, 2015	MoU signed between IIM, Jammu and SMVDU.
30	August, 2014	Inauguration of Hostels (Basoli & Vaishnavi) by Sh. N. N. Vohra, Former Governor, J&K & Chancellor, SMVD University.
31	February, 2014	Fourth Convocation addressed by Sh. Hamid Ansari, Former Vice-President of India.
32	March, 2013	Foundation Stone of Basohli Hostel laid and Vaishnavi Hostel Extension by Sh. N.N. Vohra, Hon'ble Chancellor, SMVD University & Governor, J&K State.
33	February, 2013	Prof. Sudhir K. Jain took over as fourth Vice-Chancellor of the University on 15 th February 2013.
34	November, 2012	Third Convocation addressed by H.E. Smt. Pratibha Devi Singh Patil, the former President of India.
35	September, 2011	MoU signed with Micro Small Medium Enterprise Development Institute, Jammu.
36	September, 2011	Initiation of Student Merit-Cum-Means Scholarship Scheme.
37	March, 2011	The Foundation Stone of Residential Block laid by Hon'ble Sh. N.N. Vohra, Former Governor J&K & Chancellor SMVD University.
38	March, 2011	Inauguration of Mass Array Genetic Analysis System Laboratory in the field of Bio-Technology by Hon'ble Sh. N. N. Vohra, Governor J&K & Chancellor, SMVD University.
39	August, 2010	MoU signed with IIM, Jammu.
40	August, 2010	Setting up of School of Biology & Chemistry.
41	July, 2010	Setting up of the School of Innovation & Community Development.

42	March, 2010	TCS Accreditation for campus recruitment of students.
43	January, 2010	Prof. R. N. K. Bamezai took over as third Vice-Chancellor of university on 22 nd October 2010.
44	December, 2009	Sanctioning of grant-in-aid under XI Plan by UGC of 10 crores (approx.) to the university.
45	December, 2009	Inauguration of Central Library by Sh. N.N. Vohra, Former Governor, J&K & Chancellor, SMVD University.
46	December, 2009	Inauguration of the new building of the School of Architecture & Landscape Design by Sh. N.N. Vohra, Former Governor, J&K & Chancellor, SMVD University.
47	November, 2009	Second Convocation addressed by Sh. N. R. Naraynan Murthy, Chairman Infosys.
48	June, 2009	12(B) Status accorded to university by University Grants Commission.
49	June, 2009	Building of Central Workshop Inaugurated by Jenab Omar Abdullah, Former Chief Minister, J&K.
50	April, 2009	MoU signed with Thapar University, Patiala.
51	March, 2009	MoU signed with Kurukshetra University.
52	March, 2009	Nilgiri Boys Hostel inaugurated by Hon'ble Sh. N.N. Vohra, Governor, J&K & Chancellor, SMVD University.
53	November, 2008	MoU signed with Prathista Industries Ltd. Hyderabad.
54	October, 2008	Inauguration of New Academic Block by Sh. N. N. Vohra, Former Governor J&K, & Chancellor, SMVDU.
55	August, 2008	Setting up of School of Physics.

56	August, 2008	Setting up of School of Mathematics.
57	April, 2008	First Convocation addressed by Dr. Manmohan Singh, Former Prime Minister of India.
58	March, 2008	Inauguration of MATRIKA Auditorium by Hon'ble Lt. Gen. (Retd.) S. K. Sinha, PVSM, Former Governor of J&K & Chancellor, SMVDU.
59	January, 2008	Inauguration of Vaishnavi Hostel by Hon'ble Lt. Gen. (Retd.) S. K. Sinha PVSM, Former Governor of J&K & Chancellor SMVDU.
60	August, 2007	MoU signed with State Forest Research Institute, Jammu & Kashmir for joint Research on Bamboo under the National Bamboo Mission.
61	August, 2007	MoU signed with Micro, Small & Medium Enterprise (MSME) Development Institute Jammu to create Business Skill Development Programme.
62	July, 2007	MoU signed with Ruhr University, Bochum Germany.
63	March, 2007	MoU signed with Kun Shan University Taiwan, Taiwan.
64	January, 2007	Setting up of School of Architecture & Landscape Design.
65	December, 2006	MoU signed with Red Hat India Pvt. Ltd. Delhi.
66	October, 2006	Inauguration of Shivalik Hostel by Gulchan Singh Charak, Former Minister, PWD, J&K.
67	August, 2006	Inauguration of New Administrative Block, 'Sanchalan Bhawan' by Hon'ble Lt. Gen. (Retd.) S. K. Sinha PVSM Former Governor of J&K & Chancellor, SMVDU.
68	May, 2006	MoU signed with Orel State Technical University, Orel Russia.

69	May, 2006	AICTE approval for running all engineering courses which are ECSE, ECE, EME and EBT.
70	May, 2006	Passing out of the First batch of students (2004-2007).
71	March, 2006	Inauguration of College of Sciences by Jenab Ghulam Nabi Azad, Former Chief Minister, J&K.
72	March, 2006	Inauguration of Kailash Boys Hostel by Jenab Ghulam Nabi Azad, Former Chief Minister, J&K.
73	June, 2006	Council of Architecture approval to set up School of Architecture & Landscape Design.
74	March, 2005	MoU signed with Regional Research Laboratory, Jammu.
75	April, 2005	MoU signed with Aachen University of Applied Sciences, Germany for student and faculty exchange and joint research
76	May, 2005	Inauguration of College of Management by Hon'ble Lt. Gen. (Retd.) S. K. Sinha, PVSM, Former Governor of J&K & Chancellor, SMVDU.
77	July, 2005	Inauguration of Trikuta Boys Hostel by Prof. N. K. Bansal, former Vice-Chancellor, SMVDU.
78	August, 2005	Inauguration of College of Philosophy Culture & Languages by Dr. Karan Singh, Member of the Raiya Sabha. The College was later re-christened as Faculty of Humanities and Social Sciences.
79	August, 2005	MoU signed with IIT, Delhi.
80	August, 2005	Setting up of Central Workshop.
81	August, 2005	Adaptation of Academic Pattern of IITs.
82	August, 2005	Setting up of School of Biotechnology.
83	October, 2005	Setting up of School of Languages and Literature.

84	August, 2004	Inauguration of College of Engineering by Dr. A.P.J Abdul Kalam, the former President of India.
85	August, 2004	Setting up of the School of Business, College of Management.
86	August, 2004	Inauguration of the university by Dr. A.P.J Abdul Kalam, the former President of India.
87	November, 2004	Prof. N. K. Bansal took over as the second Vice-Chancellor of university on 15 th November 2004.
88	1999	Prof. Bharat B. Chattoo took over as the first Vice Chancellor of university.

Governing Bodies

Executive Council (BoG)

The Executive Council is the apex body of the university and is responsible for all the academic appointments, management & regulation of finances & accounts, investments and properties, fixations of emoluments & creation of perks, enforcement of discipline, appointment of examiner and other matter pertaining to the functioning of the university.

Sitting Members of the Executive Council (BoG)

1	Sh. Satya Pal Malik Hon'ble Governor, J&K & Chancellor SMVDU	2	Prof. Sanjeev Jain Vice Chancellor SMVDU
3	Prof. Manoj Dhar Vice-Chancellor University of Jammu	4	Prof. Talat Ahmad Vice-Chancellor University of Kashmir
5	Prof. Goverdhan Mehta National Research Professor School of Chemistry University of Hyderabad	6	Prof.K.L Chopra Former Director, IIT, Kharagpur Padma Bhushan Awardee
7	Sh. Umang Narula, IAS	8	Sh. Simrandeep Singh, IAS Chief Executive Officer, SMVDSB

	Principal Secretary to HEG, J&K State		
9	Sh. R.P. Agrawal, IAS (Retd) Former Secretary MHRD Government of India	10	Prof. D. Mukhopadhyay Dean, Faculty of Management & Dean, Faculty of Humanities and Social Sciences SMVD University
11	Dr. Yugal Khajuria I/c Dean of Students Welfare SMVD University	12	Prof. Eswaramoorthy Muthusamy Dean Faculty of Engineering SMVD University
13	Dr. V. K. Bhat Registrar SMVD University		

Academic Council

The Academic Council is responsible for all the academic matters of the university such as curriculum development, admission, examination, recognition of degrees & other case may be deem fit for proper execution of the provision of the act, Statues & Ordinances and all matters relating to the health & welfare of the university.

Sitting members of the Academic Council

1	<i>Dr. Sanjeev Jain</i> Vice-Chancellor SMVD University (Chairperson)	2	Prof. Rajesh Srivastava Head, Department of Physics Indian Institute of Technology Roorkee (Member Expert)
3	Prof. Sunil Pandey Professor Department of Mechanical Engineering, Indian Institute of Technology Delhi (Member Expert)	4	Prof. P.K.Jain Emeritus Professor Department of Management Studies Indian Institute of Technology Delhi (Member Expert)

5	Sh. Lokesh Saxena Managing Director DISA India Ltd. (Member Expert)	6	Dr. V. K. Jain, Professor Department of Electrical Engineering Indian Institute of Technology Delhi (Member Expert)
7	Prof. S. Dharmaraja Professor & Head Department of Mathematics Indian Institute of Technology Delhi (Member Expert)	8	Prof. K. K. Biswas Emeritus Professor, Department of Computer Science & Engineering, Indian Institute of Technology, Delhi (Member Expert)
9	Dr. Suparn K. Sharma Faculty In-Charge Central Library Shri Mata Vaishno Devi University	10	Prof. D. Mukhopadhyay Dean, Faculty of Management & Dean, Faculty of Humanities and Social Sciences & Head, School of Business Shri Mata Vaishno Devi University
11	Prof. V. Verma Dean Faculty of Engineering & Head, School of Biotechnology Shri Mata Vaishno Devi University	12	Prof. Dr. V. K. Bhat Dean Faculty of Sciences & Registrar Shri Mata Vaishno Devi University
13	Dr. Amitabh Vikram Dwivedi In-Charge Head School of Languages & Literature Shri Mata Vaishno Devi University	14	Dr. Yugal Khajuria In-Charge Dean of Students Welfare Shri Mata Vaishno Devi University
15	Dr. Rajeev Garg Director, DAQ & Head	16	Dr. Anil Kumar Tewari In-Charge, Head School of Philosophy & Culture

	School of Architecture & Landscape Design and Head School of Civil Engineering Shri Mata Vaishno Devi University		Shri Mata Vaishno Devi University
17	Dr. Kamaiah Bandi Head School of Economics Shri Mata Vaishno Devi University	18	Dr. Sanjev Anand I/c Head School of Energy Management Shri Mata Vaishno Devi University
19	Dr. Manoj Kumar Gupta Head School of Computer Science & Engineering Shri Mata Vaishno Devi University	20	Dr. Kumud Ranjan Jha Head School of Electronics & Communication Engineering Shri Mata Vaishno Devi University
21	Prof. Ashok Kumar Sharma Head School of Physics SMVDU	22	Dr. A. K. Das In-Charge Head School of Mathematics Shri Mata Vaishno Devi University
23	Dr. R. K. Mishra Head School of Mechanical Engineering, Shri Mata Vaishno Devi University	24	Dr. Sumeet Gupta I/c Associate Dean (AA) SMVD University
25	Dr. Shailla Cannie Dean Faculty of Nursing SMVDU	26	Dr. Swarker Sharma Interim, CEO-TBIC SMVDU

Members of the Finance Committee

1	<p><i>Prof. Sanjeev Jain</i> Vice-Chancellor, SMVD University (Chairperson)</p>	2	<p>Shri R.K Goyal I.A.S. Principle Secretary to Govt. Home Department, J&K. (Member)</p>
3	<p>Sh. Umang Narula, I.A.S. Financial Commissioner to Hon'ble Governor, J&K (Permanent Invitee)</p>	4	<p>Sh. Shaleen Kabra I.A.S. Chief Electoral Officer, J&K (Member)</p>
5	<p>Shri B.B Vyas, I.A.S. Advisor of Hon'ble Governor J&K State, (Member)</p>	6	<p>Shri Simrandeep Singh I.A.S. Chief Executive Officer Shri Mata Vaishno Devi Shrine Board (Member)</p>
7	<p>Shri Ravi Magotra, K.A.S. (Retd.) Director General, Finance Department, (Member)</p>	8	<p>Prof. V. K. Bhat Registrar SMVD University (Permanent Invitee)</p>
9	<p>Sh. Romesh Singh, K.A.S. Finance Officer Shri Mata Vaishno Devi University (Member Secretary)</p>	10	<p>Sh. Hem Kant Prasher, K.A.S. Chief Accounts Officer Shri Mata Vaishno Devi Shrine Board Member (Permanent Invitee)</p>

The Building & Works Committee

1	Prof. Sanjeev Jain Vice-Chancellor SMVD University (Chairperson)	2	Mr. Vivek Verma, I.F.S. Additional CEO SMVDSB (Member)
3	Prof. V. K. Bhat Registrar & Dean FoS SMVDU (Member)	4	Prof. M. Eswaramoorthy Dean, FoE SMVDU (Member)
5	Dr. Rajeev Garg Head, SoALD SMVDU (Member)	6	Sh. Romesh Singh, K.A.S. Finance Officer SMVDU Member (Ex-officio)
7	Er. Des Raj S.E. PWD, (R&B) Circle Udhampur (Member)	8	Er. Kamal Sharma University Engineer SMVDU (Member-Secretary)
9	Dr. V. K. Dogra A.P., SoALD (Special Invitee)	10	Er. Kewal Krishan Gorka Executive Engineer SMVDU (Special Invitee)

Faculty of Engineering

School of Architecture & Landscape Design

1. Name of the School: School of Architecture & Landscape Design

2. Faculty Profile:

S.No.	Name of the Faculty Member	Designation	Qualification	Specialization
1.	Dr. Rajeev Garg	Professor & Head	Ph.D.,B.Arch.	Thermal Performance of Buildings, Architectural Education
2.	Ar. Aditya Kumar Singh	Associate Professor	M.L.A., E.M.I.B., B.Arch.	Landscape Design, International Business, Building Economics, Capital & Stock Management
3.	Dr. V.K. Dogra	Associate Professor	B. E., M. Tech., Ph.D.	Design of Large Span Structures with Folded Plates, Shells, Domes, Structural Design of Flat Slabs, Flat slabs with drops and pyramids.
4.	Ar. Abhiney Gupta	Assistant Professor	M. Arch., B. Arch.	Hospitality Architecture, Sustainable approach to buildings, etc.
5.	Ar. Navin Gupta	Assistant Professor	M. Arch., B. Arch.	Landscape Architecture
6.	Ar. Abhimanyu Sharma	Assistant Professor	M. Arch., B. Arch.	Architectural design, Earthquake Resistant Structures, Conservation Architecture and Building Construction
7.	Ar. Anoop Kumar Sharma	Assistant Professor	M. Arch., B. Arch.	Architecture Design and Contemporary Architecture Trends
8.	Ar. Sourvee Dutta	Assistant Professor	M.Arch, M.Plan., B.Arch.	Urban Design and Urban Planning.
9.	Ar. Vinod Kumar	Assistant Professor	B.Arch., M.C.P.	City Planning
10.	Ar. Satyanshu Kumar	Assistant Professor	B.Arch., M.Tech.	Architecture, Disaster Mitigation and Management

11.	Ar. Aastha Thapa	Assistant Professor	M.U.R.P, B.Arch.	Master of Urban and Rural Planing
12.	Ar. Gaurav Kumar Mishra	Assistant Professor	M.Tech, B.Arch. (Honors)	Architecture and Civil Engineering

3. Programmes Offered & Enrollment:

B. Arch.

4. Details of B.Tech. Students/ B. Arch. Students:

Batch	Admitted Students		
	Male	Female	Total
2018 Entry			
B. Arch.	15	18	33

5. Details of M.Tech./M.Sc./M.A. Students: Not Applicable

Batch	Admitted Students		
	Male	Female	Total
2018 Entry			
Not Applicable			

6. Details of Research Scholars:

Year 2018-19	Ph.D.		
	Male	Female	Total
Admitted 2018-19	06	0	06
Awarded 2018-19	0	0	0
Total Presently under Supervision	03	0	03

7. Extension Lectures Delivered by Outside Experts in the School:

1. Ar. Kavita Murudkar delivered a lecture on the Topic "Universal Design" at SoALD on 31st October 2018.
2. H&R Johnson Team delivered a lecture on the Topic "Industrial Institute interaction" at SoALD on 23rd October, 2018.
3. S.K. Das delivered a lecture on the Topic "Architectural Design Skills & Landscape in Built Environment" at SoALD on 14th December, 2018.
4. Ar. Yatin Pandya delivered a lecture on the Topic "Social Cultural Aspects of Architecture" at SoALD on 9th April, 2019.
5. Er. Arun V. Thakur delivered a lecture on the Topic "Industry Institute Interaction" at SoALD on 28th March, 2019.
6. Er. Sarabpreet Singh delivered a lecture on the Topic " Software Applications" at SoALD on 10th April, 2019.

7. Er. Bhavuk Kohli delivered a lecture on the Topic "Highlighting a range of Bentley Softwares" at SoALD on 10th April, 2019.
8. Mr. Sahil Kumar delivered a lecture on the Topic "Autodesk & Bentley" at SoALD on 10th April, 2019.

8. Degree Awardees:

B. Arch. :	32
M.Tech. :	NA
M.Sc. :	NA
Ph.D. :	NA

Names of Ph.D. Degree Awardees: NA

9. Information About Each Faculty

9.1 Research Projects/ Consultancy Initiated & Completed by the Faculty:

Title of the Project	Funding agency	Amount sanctioned	Status/Duration
Renovation of Samba War Memorial	Commanding Officer, 24 grenadiers	Rs. 50,000/-	1 year
Construction of 96 Bedded OBC Hostel (G. Floor) at Doda, J&K	Executive Engineer, PWD (R&B) Special Sub Division, Doda	Rs. 99,120/-	1 year
Construction Of Multi Level Parking In Super Speciality Hospital, Jammu	Executive Engineer, Tawi Bridge Cum Medical College PWD (R&B) Division, Jammu	Rs. 126,000/-	1 year
Construction of Drain and Improvement of Drainage system Shastri nagar Under JKIDFC	Executive Engineer, Sewerage System Shastri Nagar	Rs. 91,98,727/-	2 months
Vetting of Architectural Design for the work of Residential Colony, Bhachau, Gujarat	Dnova infracon Pvt., Ltd. , Gurgaon	Rs. 1,12,23,727/-	2 months
Construction of Drainage Scheme Rajiv Nagar Nallah from National	Rajinder Kour (Contractor)	Rs. 33,000/-	2 months

Highway Bridge, Kalika Colony, Jammu			
Vetting of Structural Design for the work " Drainage scheme Dhounthly, Karan Nagar and D/s Panjirthi under JKIFDC	Executive Engineer, Sewerage System Div. (West), Jammu	Rs. 82,91,056/-	2 months
Vetting of Structural Design for the work "Improvement of Gurah Nallah falling in to RRL under JKIDFC"	Executive Engineer, Sewerage System Div. (West), Jammu	Rs. 1,65,96,653/-	2 months
Pollution Abatement of Rivers Devika and Tawi, Udhampur town (J&K) under NRCP	Executive Engineer, Sewerage and Drainage Division (West) , Jammu	Rs. 15 lac.	2 months

9.2 Research Publications (with full details in APA Manual)

1. Dr. Rajeev Garg & Ar. Anoop Kumar Sharma published the title "Cultural Manifestation through Architecture: An Overview" at IRJET on 10th May 2019.

9.3 Conferences/Workshops/Seminars/Short term Courses Attended

1. Ar. Vinod Kumar attended a Short Term Course "Summer Faculty Research Programme" at IIT Delhi on 20th May - 7th July 2019.

9.4 Conferences/Workshops/Seminars/Short term Courses Attended & Presented Paper

1. Ar. Anoop Kumar Sharma attended the "50th Annual Conference of the Environmental Design Research Association 2019", and presented a paper, titled "Assessing Sustainability of Architectural Design to Environmental efficacy: Case of India" on 22nd -26th May, 2019.
2. Ar. Anoop Kumar Sharma attended the "17th International Conference Arguitectonics Network Mind Land Society 2019" and presented a paper, titled "Sustainability Aspects in Planning Design and Construction: Case in India" on 29th-31st May, 2019.

9.5 Conferences/ Seminars /Workshops/FDPs/MDPs Organized

1. Dr. Rajeev Garg & Dr. Anil Tewari organized "Effective Teaching Learning in Higher Education" at SMVDU from 4th -6th July, 2018.
2. Ar. Astha Thapa organized "Collaborative Camping at IGSB" at Khoon, Majalta, Udhampur from 9th -11th March 2019.

9.6 Ph.D. Guided

03 under Dr. Rajeev Garg

9.7 Students' Achievement

18th – 24th January 2019 : 20 students participated in the Nasa Convention 2019.

27th March 2019 : Ashutosh Kumar Singh (Architecture Batch 2017) and Harish Sharma (Architecture Batch 2016) jointly secured 8th All India Rank in Gate 2019.

April 2019 : 16 B. Arch. students and alumni have qualified the Gate Exam 2019.

School of Civil Engineering

1. Name of the School: School of Civil Engineering

2. Faculty Profile:

S.No .	Name of the Faculty Member	Designation	Qualification	Specialization
1.	Dr. Bharat Bhushan Jindal	Assistant Professor	B.E (Civil Engg.), M.E.(Civil - Soil Mechanics & Foundation Engineering), M. Tech. (Civil - Structural Engineering), Ph.D. (Civil- Structures)	Structures, Concrete Technology, Sustainable Construction Materials
2.	Dr. Vaibhav Rajiv Sapkal	Assistant Professor	B.E.(Civil Engg.), M.Tech. (Civil- Environmental Engineering), Ph.D. (Civil - Environmental Engineering)	Waste water treatment and management, Solid waste management, MSW leachate treatment and management, Membrane technology, Advance chemical treatment
3.	Dr. Rahul Sharma	Assistant Professor	B.Tech. (Civil Engg.), Tech. (Structural & Construction Engineering), Ph.D.(Civil Engineering)	Structures, Concrete Technology, Construction Materials

3. Programmes Offered & Enrollment:

B.Tech.	M.Tech.
60	NA

4. Details of B.Tech. Students:

Batch	Admitted Students		
	Male	Female	Total
2018 Entry	51	05	56

5. Details of M.Tech./M.Sc./M.A. Students:

Batch	Admitted Students		
	Male	Female	Total
2018 Entry	NA		

6. Details of Research Scholars:

Year 2018-19	Ph.D.		
	Male	Female	Total
Admitted 2018-19	-	-	-
Awarded 2018-19	-	-	-
Total Presently under Supervision	-	-	-

7. Extension Lectures Delivered by Outside Experts in the School:

1. The School of Civil Engineering organized a special session under Industry-Institute Interaction of B.Tech. (Civil Engineering) students. An expert talk by Er. Arun V. Thakur, Technical Services, Ultra Tech Cements (J&K), was organized for the learning and industry exposure of the B.Tech students on 28th March, 2019 at SMVDU, Katra.

8. Degree Awardees:

B.Tech. : NA

M.Tech. : NA

M.Sc. : NA

Ph.D. : NA

Names of Ph.D. Degree Awardees: NA

9. Information About Each Faculty

9.1 Research Projects Initiated & Completed by the Faculty:

Title of the Project	Funding agency	Amount sanctioned	Status/Duration
NIL	NIL	NIL	NIL

9.2 Research Publications (with full details in APA Manual)

9.3 Conferences/Workshops/Seminars/Short term Courses Attended

1. Dr. Vaibhav Sapkal, Assistant Professor, SoCE, attended one day national workshop on "Disaster Management" at JNTU College of Engineering, Hyderabad on 28th September, 2018.
2. Dr. Rahul Sharma, Assistant Professor, SoCE, attended one day national workshop on "Disaster Management" at JNTU College of Engineering, Hyderabad on 28th September, 2018.
3. Dr. Bharat Bhushan Jindal, Assistant Professor, SoCE, attended one week DST Training on Sustainability and Smart City Concept at NITTTR Chandigarh from 25th February - 1st March 2019.

4. Dr. Vaibhav Sapkal, Assistant Professor, SoCE, attended international conference on digital pedagogies, New Delhi from 1st - 3rd April, 2019 organized by NPIU TEQIP-III.
5. Dr. Bharat Bhushan Jindal, Assistant Professor, SoCE, attended one day thematic workshop on "Vulnerability Atlas of India and Disaster Resistant Design & Construction Practices" at Silver Oak Hall, India Habitat Centre, Lodhi Road, New Delhi on 3rd May, 2019 under TEQIP-III.
6. Dr. Rahul Sharma, Assistant Professor, SoCE, attended one day workshop on Scilab held on 4th May 2019, conducted by IIT Bombay.
7. Dr. Vaibhav Sapkal, Assistant Professor, SoCE, attended one day workshop on Scilab held on 4th May 2019, conducted by IIT Bombay.
8. Dr. Rahul Sharma, Assistant Professor, SoCE, attended three day course on "Non Destructive Testing for Failure Analysis and Prevention" organized by IIT Kharagpur from 20th - 22nd May 2019.
9. Dr. Vaibhav Sapkal, Assistant Professor, SoCE, attended one week short term training program on "Laboratory Methods for Water and Wastewater Analysis and Air Quality Monitoring" at Civil Engineering Department, VNIT, Nagpur from 20th - 24th May 2019.

9.4 Conferences/Workshops/Seminars/Short term Courses Attended & Presented Paper

1. Dr. Rahul Sharma, Assistant Professor, SoCE, attended 5th international conference on "Recent Trends and Advancements in Engineering and Technology (ICRTAET)" and presented a research paper, titled "Experimental Study on Properties of Pervious Concrete on addition of Sand and Copper Slag" at SMVDU, from 25th -26th October, 2018.
2. Dr. Rahul Sharma, Assistant Professor, attended an international conference "UKIERI Concrete Congress-Concrete: The Global Builder" and presented a paper, titled "Evaluation of Copper Slag as Fine Aggregate in the Development of Self Compacting Concrete" at NIT Jalandhar from 5th - 8th March 2019.
3. Dr. Vaibhav Sapkal, Assistant Professor, SoCE, attended Chemix 19: a national conference on Intra and Inter Disciplinary Blend of Chemical Engineering, for oral presentation of co-authored a research paper on topic entitled "Biogas Production Potential of Municipal Solid Waste Landfill Leachate- A Lab Scale Study" at VNIT Nagpur from 30th - 31st March 2019.
4. Dr. Vaibhav Sapkal, Assistant Professor, SoCE, presented a poster titled "Development of Hybrid Anaerobic digestion and membrane separation technique for treatment of municipal solid waste landfill leachate" in the 3rd international conference on "Thermal Power Chemistry & Sustainable Environment at Nagpur on 5th June, 2019.

9.5 Conferences/ Seminars /Workshops/FDPs/MDPs Organized

1. Dr. Vaibhav Sapkal, Assistant Professor, SoCE, organized one day national workshop on "Disaster Management" at JNTU College of Engineering, Hyderabad on 28th September, 2018.
2. Dr. Bharat Bhushan Jindal, Assistant Professor, SoCE, organized one day workshop on "Software Applications in Civil Engineering" to make aware B.Tech. students (Civil Engineering) about various software in the field of Civil Engineering and their scope in the specialized services at SMVDU, Katra, on 10th April 2019.

9.6 Ph.D. Guided: 0

9.7 Students' Achievement

Students actively participated in technical, cultural and sports events organized in-house and outside SMVD University.

School of Electrical Engineering

1. Name of the School: School of Electrical Engineering

2. Faculty Profile:

S.No.	Name of the Faculty Member	Designation	Qualification	Specialization
1.	Dr. Kumud Ranjan Jha	Associate Professor & Head	AMIE, M.E, Ph.D., Post. Doc. (San Diego State University, USA)	Microwave Engineering, Communication Systems
2.	Dr. Arjun Tyagi	Assistant Professor	B.Tech (Honours), M.Tech(Gold Medal), Ph.D.(IIT Delhi)	Power System Analysis, Operation and Control; Electrical Distribution Systems.
3.	Dr. Kamaldeep	Assistant Professor	B.Tech, M.Tech, Ph.D.	Power Electronics, Electrical Drives

3. Programmes Offered & Enrollment:

B.Tech.	M.Tech.
Electrical Engineering	NA

4. Details of B.Tech. Students:

Batch	Admitted Students		
	Male	Female	Total
2018 Entry Electrical Engineering	27	10	37

5. Details of M.Tech./M.Sc./M.A. Students:

Batch	Admitted Students		
	Male	Female	Total
2018 Entry NA	NA	NA	NA

6. Details of Research Scholars:

Year 2018-19	Ph.D.		
	Male	Female	Total
Admitted 2018-19	-	-	-
Awarded 2018-19	-	-	-
Total Presently under Supervision	-	-	-

7. Extension Lectures Delivered by Outside Experts in the School:

1. Dr. Jayalaxmi delivered a lecture on "Introduction to Electrical Engineering and Layers of Abstraction" at Shri Mata Vaishno Devi University, Katra, on 25th January 2019.

8. Degree Awardees:

B.Tech : 0

M.Tech : 0

M.Sc. : 0

Ph.D. : 0

Names of Ph.D. Degree Awardees: NA

9. Information About Each Faculty

9.1 Research Projects Initiated & Completed by the Faculty:

S.No.	Title of the project	Funding Agency	Amount Sanctioned	Status/Duration	Name of Faculty
1.	Active radar absorbers based on frequency selective surfaces: Active Sleath Technology	Defence Research & Development Organisation	22,87,000	2 years	Dr. K.R. Jha

9.2 Research Publications (with full details in APA Manual)

1. Manas Ranjan Panda, Arjun Tyagi, C. T. Dhanya and Ashu Verma, "Water-Energy Nexus: Vulnerability Assessment of Power Generation due to Water Stress Condition," EGU General Assembly 2019, vol. 21, Vienna, Austria, 7th -12th April 2019. [ISSN: 1607-7962].
2. Pradeep Kumar Mallick, Arjun Tyagi and Ashu Verma, "A Novel Scheme for Potential Identification of Customers for Demand Response," IEEE International Conference on Power Electronics, Intelligent Control and Energy Systems (ICPEICES), New Delhi, India, 22nd -24th October 2018. [ISBN: 978-1-5386-6626-5].

9.3 Conferences/Workshops/Seminars/Short term Courses Attended

1. Dr. Kamaldeep Session chaired a session at 5th international conference on "Recent Trends and Advancement in Engineering and Technology (ICRTAET-2018)" organised by Shri Mata Vaishno Devi University, Katra from 25th -26th October 2018.

2. Dr. Arjun Tyagi chaired a session at 5th international conference on "Recent Trends and Advancement in Engineering and Technology (ICRTAET-2018)" organised by Shri Mata Vaishno Devi University, Katra from 25th -26th October 2018.
3. Dr. Kamaldeep attended two week refresher course on "Introduction to MATLAB and Research Enhancement Tools organised by Shri Mata Vaishno Devi University, Katra from 20th -29th October 2018.
4. Dr. Kamaldeep attended one week short term course on "Advanced Techniques for Next Generation Networks with Focused on 5G, IoT and Aerially Controlled HETNETs organized by Shri Mata Vaishno Devi University, Katra, from 16th-20th December 2018.
5. Dr. Arjun Tyagi attended a short term course on "Advanced Technique for Next Generation Networks with Focused on 5G, IoT and Aerially Controlled HETNETs" , at Shri Mata Vaishno Devi University, Katra, J&K, from 16th -20th December 2018.
6. Dr.Arjun Tyagi completed the NPTEL-AICTE Faculty Development Programme on "Computer Aided Power System Analysis", (Evaluation of NPTEL course with regular FDP= 1.5 FDP) from January-April 2019.
7. Dr Arjun Tyagi attended an international conference on "Digital Pedagogies: Changing Mindsets for Sustainable Learning, at AICTE Headquarter, New Delhi, India from 01st -03rd April 2019.
8. Dr. Arjun Tyagi attended one week workshop on "Modelling & Simulation I Ultra Low Power VLSI Design organised by Shri Mata Vaishno Devi University, Katra from 18th -22nd May 2019.
9. Dr. Kamaldeep attended one week workshop on "Modelling & Simulation I Ultra Low Power VLSI Design organised by Shri Mata Vaishno Devi University, Katra from 18th -22nd May 2019.
10. Dr. Arjun Tyagi attended one week workshop on "Scientific Learning with Python" organised by Shri Mata Vaishno Devi University, Katra, from 25th -29th May 2019.
11. Dr. Kamaldeep attended one week workshop on "Scientific Learning with Python" organised by Shri Mata Vaishno Devi University, Katra from 25th -29th May 2019.
12. Dr. Kamaldeep attended three day Faculty Development Programme on Student Induction organised by Northern Regional office of All India Council for Technical Education at Graphic Era Hill University, Bhimtal Campus from 17th -19th June 2019.

9.4 Conferences/Workshops/Seminars/Short term Courses Attended & Presented Paper

1. Aaquib Firdous, Arjun Tyagi, V. V. Tyagi and Krishan Kumar presented a paper, titled "Optimal Allocation of Distributed Energy Resources in Distribution Systems:

Review," Recent Advances in Science and Engineering (NCRASE-2019), Jaipur, India, 1st - 2nd May 2019.

2. Umar Maqbool, V. V. Tyagi, Arjun Tyagi and Vinaya Rana, presented a paper, titled "Optimal Design of Hybrid Renewable Energy Micro-Grid: A Review," Recent Advances in Science and Engineering (NCRASE-2019), Jaipur, India, 1st - 2nd May 2019.

9.5 Conferences/ Seminars /Workshops/FDPs/MDPs Organized

9.6 Ph.D. Guided: 0

1. Name of School: School of Electronics & Communication Engineering

2. Faculty Profile:

S. No.	Name of Faculty Member	Designation	Qualification	Specification
1.	Dr. Kumud Ranjan Jha	Associate Professor & Head	AMIE, M.E., Ph.D., Post. Doc.	Microwave Engineering, Communication Systems
2.	Dr. Vipin Kakkar	Associate Professor	B.E, M.E., D.Eng., D. Sc.	VLSI, Embedded Systems, Video Processing.
3.	Dr. Amit Kant Pandit	Associate Professor	Ph. D., DAC, B. Tech.	DSP, DIP, Signal and Systems ,Microprocessor
4.	Dr. Rakesh Kumar Jha	Associate Professor	B. E., M. Tech., Ph.D.	Wireless Communication, Network Security issues.
5.	Dr.Sumeet Gupta	Associate Professor	B. E., M.Tech., Ph.D.	Digital System Design, Embedded Systems, Circuit design & simulation
6.	Dr. Manish Sabraj	Associate Professor	B. E., M. Tech, Ph.D.	Control System & digital Signal Processing, Digital communication, control system and signal processing
7.	Mr.Shashi Bhushan Kotwal	Assistant Professor	B. E, M. Tech.	Microprocessor, Wireless Communications & Signal Processing, Sensor Networks
8.	Mr. Ashish Suri	Assistant Professor	B. E., M. Tech.	Wireless & Mobile Communication,Digital Signal Processing
9.	Mr. Anil Kumar Bhardwaj	Assistant Professor	B.Tech., M.Tech.	VLSI Design, Semiconductor devices, RFIC.
10.	Mr.Neeraj Tripathi	Assistant Professor	PDSL NEMS/MEMS EU, M.Tech.,(Microelectronics) IIT Kgp, B.Tech.	MEMS,NEMS,VLSI, Circuit Designing, VLSI Design, Device Modeling
11.	Mr. Swastik Gupta	Assistant Professor	M.Tech.	Data Networks, Embedded Systems, Computer Programming

12.	Dr. Purnima Hazra	Assistant Professor	M.Tech.	Semiconductor devices and circuits, Microelectronic and nanoelectronic devices
13.	Dr. Sachin Kumar Gupta	Assistant Professor	B. Tech, Ph.D.	Wireless Networking, Computer Networks, Data Communications, Systems Theory
14.	Mr. Vikram Singh	Assistant Professor	M. Tech.	VLSI Design, Digital Design using VERILOG and VHDL
15.	Dr. Vijay Kumar Sharma	Assistant Professor	B. Tech., M.Tech., Ph.D.	Low Power VLSI Design, Process Variation Aware Design
16.	Mr. Akshay Mann	Assistant Professor	B. E., M. Tech.	Micro-Electronics & VLSI Design
17.	Mr. Mayur Varshney	Assistant Professor	B. E., M. Tech.	Nano Electronics & Spintronics
18.	Mr. Yogeshwar Singh Dadwal	Assistant Professor	B. E., M. Tech., Ph.D.	Computer Vision & Machine learning

3. Programmes Offered &Enrolment:

B.Tech.	M.Tech.
Electronics & Comm. Engineering	Electronics & Comm. Engineering

4. Details of B.Tech Students:

Batch	Admitted Students		
	Male	Female	Total
2018 Entry Electronics & Communication Engineering	41	29	70

5. Details of M.Tech Students:

Batch	Admitted Students		
	Male	Female	Total
2018 Entry Electronics & Comm. Engg. (M.Tech.)	5	13	18

6. Details of Research Scholars:

Year 2018-19	Ph.D.		
	Male	Female	Total
Admitted 2018-19	5	10	15

Awarded 2018-19	2	0	2
Total Presently Under Supervision	7	10	17

7. Extension Lectures Delivered by Outside Experts in the School:

1. Mr. Nitin Manohar, Senior Manager (R&D), Ciena Inc., delivered a special lecture on "Layer-0 & Layer-1 Network, their Importance in Modern Telecom infrastructure." at SoECE, SMVDU on 3rd April 2019.
2. Mr. Shivan and Kanavi, Former VP TCS, Adjunct Faculty, NIAS, Bengaluru, Consulting Editor, Business India, delivered a special lecture on "Number of Breakthroughs in Modern Digital Technology" at SoECE, SMVDU on 24th May 2019.
3. Dr. Ashwani Rana, NIT Hamirpur, delivered a special lecture on "Modelling & simulation in Ultra Low Power VLSI design" at SoECE, SMVDU from 18th -22nd May 2019.
4. Dr. Kishor P Sarawadekar, IIT (BHU) Varanasi, delivered a special lecture on "Modelling & simulation in Ultra Low Power VLSi design" at SoECE, SMVDU from 18th -22nd May 2019.
5. Mr. Avinash Keshar, Entuple Pvt. Ltd., delivered a special lecture on "Modelling & Simulation in Ultra Low Power VLSi design" at SoECE, SMVDU from 18th -22nd May 2019.
6. Mr. Upendra Gupta, Trident Tech. Lab. Pvt. Ltd., delivered a special lecture on "Modelling & Simulation in Ultra Low Power VLSi design" at SoECE, SMVDU from 18th -22nd May 2019.
7. Dr. Mukul Sarkar, IIT Delhi, delivered a special lecture on "Modelling & Simulation in Ultra Low Power VLSi design" at SoECE, SMVDU from 18th -22nd May 2019.
8. Dr. P.S. Rana, Thapar University, delivered a special lecture on "Scientific Learning with Python" at SoECE, SMVDU from 25th -29th May 2019.
9. Dr. Rajendra Kumar, NIT Kurukshetra, delivered a special lecture on "Scientific Learning with Python" at SoECE, SMVDU from 25th -29th May 2019.
10. Dr. Sonali Aggarwal, IIIT Allahabad, delivered a special lecture on "Scientific Learning with Python" at t SoECE, SMVDU from 25th -29th May 2019.
11. Dr. P. Daniel, NIT Hamirpur, delivered a special lecture on "Scientific Learning with Python" at SoECE, SMVDU from 25th -29th May 2019.
12. Dr. Artee, HOD, Dept. of Mathematics, Dev Sanskriti Vishwavidyalaya, Haridwar, delivered a special lecture on "Modelling of devices and mathematics" at SoECE, SMVDU on 3rd June 2019.

8. Degree Awardees:

B.Tech: 56

M.Tech: 18

Ph.D.: 2

Names of Ph.D. Degree Awardees:

1.	Suresh Linker (14DEC003)
2.	Sanjeev Singh (14DEC002)

9. Information about faculty

9.1 Research Projects Initiated & Completed by the Faculty:

S.No	Title of the project	Funding Agency	Amount Sanctioned	Status/Duration	Name of Faculty
1.	Active radar absorbers based on frequency selective surfaces: Active Sleath Technology	Defence Research & Development organisation	22,87,000/-	2 years	Dr. K.R. Jha
2.	Availability, utilization and digital document of non-timber bio resources for sustainable rural livelihood and decision support system for the rural households in the Northwest Himalayas	National Mission on Himalayan studies (NMHS), GBPNIHESD	3,17,548/-	3 years	Mr.Shashi Bhushan Kotwal, Mr. Ashish Suri and Mr.Swastik Gupta

9.2 Research Publications:

1. Kakkar, Vipin. (2019). Biomolecular and Cellular Manipulation and Detection, "Nanomaterials and Environmental Biotechnology", Springer Nature.
2. Vipin Kakkar. (2019). Development of environmental biosensors for detection, monitoring and assessment, "Nanomaterials and Environmental Biotechnology", Springer Nature.
3. Gupta, Shagun; Kakkar, Kakkar & Sharma, Indu Bhushan. (2019), "Crosstalk between Vaginal Microbiome and Female Health: A review", Microbial Pathogenesis, 136 (1), 103696, (Elsevier).
4. Gupta, Shagun & Kakkar, Vipin. (2019). "DARPin based GMR biosensor for the detection of ESAT-6 tuberculosis protein", Tuberculosis, 118(C), 101852, (Elsevier).

5. Ahmed, Firdous; Ahmed, Suhaib; Kakkar, Vipin; Bhat, G.M.; Bahar, Ali Newaz & Wani, Shah Jahan. (2018), "Modular Design of "Ultra-Efficient Reversible Full Adder-Subtractor in QCA with Power Dissipation Analysis", *International Journal of Theoretical Physics*, 57 (9), 2863-2880, (Springer).
6. Gupta, Shagun & Kakkar, Vipin. (2018), "Recent Technological Advancements in Tuberculosis Diagnostics- A Review", *Biosensors & Bioelectronics*, 115 (C), 14-29, (Elsevier).
7. Ahmed, Suhaib & Kakkar, Vipin. (2018). "A Novel Angular SiO₂ Electret-based Electrostatic Energy Harvester for Cardiac and Neural Implants", *Biomedical Research*, 29(8), 1523-1526, (Biomed).
8. Kakkar, Vipin. (2018). An Ultra Low Power System Architecture for Implantable Medical Devices, *IEEE Access*, 7 (1), 111160-111167, (IEEE).
9. Ahmed, Suhaib; Kakkar, Vipin. (2018) "Modeling and Simulation of an eight-bit auto-configurable successive approximation register analog-to-digital converter for cardiac and neural implants," *Simulation: Transactions of the Society for Modeling and Simulation International*, 94 (1), 11-29 (SAGE).
10. Mairaj, Sanna; Ahmed, Suhaib & Kakkar, Vipin. (2018). "A Survey on Emerging Technologies and Architectures of Low Power Preamplifiers for Biomedical Applications," *International Journal of Nanoelectronics and Materials*, 11 (1), 167-178 (Scopus, Unimap, Malaysia).
11. Mairaj, Sanna; Ahmed, Suhaib & Kakkar, Vipin. (2018). "An Optimized Low-Noise Low-Power Preamplifier for Cardiac Implants," *International Journal of Nanoelectronics and Materials*, 11 (1), 153-166 (Scopus, Unimap, Malaysia).
12. Bilal, Bisma; Ahmed, Suhaib & Kakkar, Vipin. (2018), "Quantum Dot Cellular Automata: A New Paradigm for Digital Design," *International Journal of Nanoelectronics and Materials*, Vol. 11, No. 1, pg 87-98 12 (Scopus).
13. Bilal, Bisma; Ahmed, Suhaib & Kakkar, Vipin. (2018), "An Insight into Beyond CMOS Next Generation Computing using Quantum-dot Cellular Automata Nanotechnology," *International Journal of Engineering and Manufacturing*, vol. 8, no. 1, pp. 25-37 (Scopus).

For Paper:

1. Kumud Ranjan Jha and Satish K. Sharma "A Novel Four-Port Pattern Diversity Antenna for 4G Communications," *IEEE Antennas and propagation Symposium*, Boston, USA, from 08th -13th July, 2018.
2. Sh Alsamhi, MS Ansari, SK Gupta (2018) Tethered Balloon Technology in Design Solutions for Rescue and Relief Team Emergency Communication Services, Disaster medicine and public health preparedness.

3. Sh Alsamhi, O Ma, SK Gupta (2019) Collaboration of Drone and Internet of Public Safety Things in Smart Cities: An Overview of QoS and Network Performance Optimization, Drones 3 (1).
4. Sh Alsamhi, SK Gupta, NS Rajput (2018) Performance Evaluation of Broadband Service Delivery via Tethered Balloon Technology, Institute of Electrical and Electronics Engineers.
5. A Khan, S Gupta, SK Gupta (2019) Bluetooth and ZigBee: A Network Layer Architecture Gateway International Journal of Simulation Systems, Science & Technology.
6. D Sharma, A Rashid, SK Gupta (2019) Functional Encryption Technique in UAV Integrated Het Net: A Proposed Model International Journal of Simulation Systems, Science & Technology.
7. SK Gupta, SH Alsamhi, RK Saket (2018) Comparative performance analysis of AODV for CBR & VBR traffic under influence of ART & DPC, Institute of Electrical and Electronics Engineers.
8. E Farooq, A Sahu, SK Gupta, (2018) Survey on FSO Communication System— Limitations and Enhancement Techniques.
9. KR Jha, B Bukhari, C Singh (2018) Compact planar multistandard MIMO antenna for IoT applications Institute of Electrical and Electronics Engineers.
10. UR Bhat, KR Jha, G Singh (2018) Wide stopband harmonic suppressed low-pass filter with novel DGS.
11. KR Jha, SK Sharma (2018) Combination of MIMO antennas for handheld devices Institute of Electrical and Electronics Engineers.
12. I Malhotra, KR Jha, G Singh (2018) Terahertz Antenna Technology for Imaging Applications: A Technical Review.
13. KR Jha, SK Sharma (2018) Combination of MIMO antennas for handheld devices [wireless corner] Institute of Electrical and Electronics Engineers.
14. I Malhotra, KR Jha, G Singh (2018) Design of highly directive terahertz photoconductive dipole antenna using frequency-selective surface for sensing and imaging applications.
15. I Malhotra, KR Jha, G Singh (2019) Beam steering characteristics of highly directive photoconductive dipole phased array antenna for terahertz imaging application.
16. Haneet Kour, Rakesh Kumar Jha (2019) Power Optimization using Spectrum Sharing for 5G Wireless Networks, Springer.

17. SV Limkar, & RK Jha, (2019) A novel method for parallel indexing of real time geospatial big data generated by IoT devices, Volume 97 PP 433-452, Future Generation Computer Systems.
18. IB Sofi, A Gupta, RK Jha (2019) Power and energy optimization with reduced complexity in different deployment scenarios of massive MIMO network, Volume 32, Issue 6, Pages e3907, International Journal of Communication Systems.
19. G Chopra, RK Jha, S Jain (2019) RBA: Detection and Protection Analysis Using Region-Based Algorithm in Ultra-Dense Networks, Volume 7, PP 52997-53011, IEEE Access.
20. Suresh V Limkar, Rakesh Kumar Jha (2019) Computing over encrypted spatial data generated by IoT, Volume 70, Issue 2, PP 193-229, Telecommunication Systems. Publisher Springer US.
21. Sanjeev Singh, Rakesh Kumar Jha, (2019) SDOWN: A Novel Algorithm and Comparative Performance Analysis of Underlying Infrastructure in Software Defined Heterogeneous Network, Volume 38, Issue 1, PP 43-75, Publisher Taylor & Francis, Journal Fiber and Integrated Optics.
22. Pimmy Gandotra, Rakesh Kumar Jha, (2019) Energy-efficient device-to-device communication using adaptive resource-block allocation, PP e3922, Journal International Journal of Communication Systems.
23. Haneet Kour, Rakesh Kumar Jha, Sanjeev Jain, Preetam Kumar, (2019) Protocol design and resource allocation for power optimization using spectrum sharing for 5G networks, PP 1-19, Journal Telecommunication Systems, Publisher Springer US.
24. Sakshi Popli, Rakesh Kumar Jha, Sanjeev Jain, (2019) A survey on energy efficient narrowband internet of things (NB-IoT): architecture, application and challenges, Volume 7, PP 16739-16776, Journal IEEE Access, Publisher IEEE.
25. Pimmy Gandotra, Rakesh Kumar Jha, (2019) Zonal-Based GrEEen Algorithm for Augmenting the Battery Life in Spectrum Shared Networks via D2D Communication, Volume 68, Issue 1, PP 405-419, Journal IEEE Transactions on Vehicular Technology, Publisher IEEE.
26. Garima Chopra, Rakesh Kumar Jha, Sanjeev Jain, (2019) RBA: Region Based Algorithm for secure harvesting in Ultra Dense Network, Volume 125, PP 179-189, Journal Journal of Network and Computer Applications, Publisher Academic Press.
27. Sanjeev Singh, RK Jha, (2019) SDOWN: a novel algorithm for better quality of service and experience in software defined optical wireless network, Volume 176, PP 662-684, Journal Optik, Publisher Urban & Fischer.
28. Mittal K Pedhadiya, Rakesh Kumar Jha, Hetal G Bhatt (2019), Device to device communication: A survey, Journal of Network and Computer Applications, Publisher Academic Press.

29. Pimmy Gandotra, Rakesh Kumar Jha, Sanjeev Jain (2018) E2ARC: Energy-efficient adaptive resource block allocation with low complexity in device-to-device communication, Volume 29, Issue 11, PP e3525, Journal Transactions on Emerging Telecommunications Technologies.
30. Garima Chopra, Rakesh Kumar Jha, Sanjeev Jain (2018) Novel Beamforming Approach for Secure Communication in UDN to Maximize Secrecy Rate and Fairness Security Assessment, Journal IEEE Internet of Things Journal, Publisher IEEE.
31. Rakesh Kumar Jha, Yamini Srivastav, Vedika Sumbli, Vidula Gandhi, Shubha Jain, (2018) RFID based food rationing system, Volume 4, PP e00043, Journal HardwareX, Publisher Elsevier.
32. Pimmy Gandotra, Rakesh Kumar Jha, Sanjeev Jain, (2018) Green NOMA with multiple interference cancellation (MIC) using sector-based resource allocation, Volume 15, Issue 3, PP 1006-1017, Journal IEEE Transactions on Network and Service Management, Publisher IEEE.
33. Akhil Gupta, Rakesh K Jha, Reeta Devi, (2018) Security architecture of 5g wireless communication network, Volume 8, Issue 2, PP 92-99, Journal International Journal of Sensors Wireless Communications and Control, Publisher Bentham Science Publishers.
34. Pimmy Gandotra, Rakesh Kumar Jha, Sanjeev Jain, (2018) Prolonging user battery lifetime using green communication in spectrum sharing networks, Journal IEEE Communications Letters, Volume 22, Issue 7, PP 1490-1493, Publisher IEEE.
35. Pimmy Gandotra, Rakesh Kumar Jha, Sanjeev Jain, (2018) Sector-based radio resource allocation (SBRRA) algorithm for better quality of service and experience in device-to-device (D2D) communication, Volume 67, Issue 7, PP 5750-5765, Journal IEEE Transactions on Vehicular Technology, Publisher IEEE.

9.3 Conferences/Workshops/Seminars/Short Term Courses Attended & Presented Paper

1. Haneet Kour, Rakesh Kumar Jha, (2019), 11th International Conference on Communication Systems & Networks (COMSNETS) Pages 395-398, IEEE.
2. Haneet Kour, Rakesh Kumar Jha, (2019) Power Optimization using Spectrum Sharing for Next Generation Cellular Networks, Conference 11th International Conference on Communication Systems & Networks (COMSNETS), PP 562-564 IEEE.
3. Pimmy Gandotra, Rakesh Kumar Jha, (2018) Adaptive Resource Block Allocation for Green 5G Wireless Communication Networks, 2018/12/16, Conference 2018 IEEE International Conference on Advanced Networks and Telecommunications Systems (ANTS), PP 1-6, IEEE.

1. APAN Fellowship – 02 Times

9.4 Conferences/ Seminars/ Workshops/ FDPs/ MDPs Organized

- 1 Dr. A.K. Pandit organized a Faculty Development Program on MATLAB at Shri Mata Vaishno Devi University, SoECE from 6th -25th March, 2018.
- 2 Dr. Vijay Kumar Sharma and Dr. S.K. Gupta organized Faculty Development Programs on Emerging Issues in VLSI Design at Shri Mata Vaishno Devi University, SoECE from 7th – 11th May, 2018.
- 3 Dr. A.K. Pandit organized a Refresher Course on introduction to MATLAB & Research Enhance Tool, Shri Mata Vaishno Devi University, SoECE, from 20th -29th October 2018.
- 4 Dr. S.K. Gupta organized a workshop on "Open Source Software Linux (Ubuntu) & Libre Office" at Shri Mata Vaishno Devi University, SoECE, from 26th-30th November, 2018.
- 5 Dr. S.K. Gupta organized a workshop on "Scientific Learning with Python" at Shri Mata Vaishno Devi University, SoECE, from 25th -29th April 2019.
- 6 Dr. V.K. Sharma organized a workshop on "Modeling and Simulation in Ultra Low Power VLSI Design" at Shri Mata Vaishno Devi University, SoECE, from 18th - 22nd May, 2019.
- 7 Dr. R.K. Jha organized two day workshop on "Advanced Techniques for Next Generation Network with focused on 5G, Iot, and Aerially Controlled HETNETS" at Shri Mata Vaishno Devi University, SoECE, from 19th -20th March 2019.

9.5 Ph.D. Guided:

S. No.	Name of Faculty	Name of Scholar	Date of Joining
1.	Dr. Vijay Kumar Sharma	Kajal	21 August 2018
2.	Dr. Rakesh Kumar Jha	Haneet Kour	21 August 2018
3.	Dr. Rakesh Kumar Jha	Himani Sharma	11 March 2019
4.	Dr. Rakesh Kumar Jha	Anutusha Dogra	08 March 2019
5.	Dr. Purnima Hazra	Yogesh	09 March 2019

9.6 Students' Achievement:

S. No.	Achievements
1.	Organizing TITIKSHA 2018
2.	Students enrolling in Higher education at IIT/NIITs
3.	North India Student Parliament-2018
4.	Organizing Resurgence: Cultural & Sports Festival

School of Computer Science and Engineering

1. Name of the School: School of Computer Science and Engineering

2. Faculty Profile:

S. No.	Name of the Faculty Member	Designation	Qualification	Specialization
1.	Dr. Manoj Kumar Gupta	Associate Professor & Head	Ph.D., M.Tech, B.Tech.	Bioinformatics and Computational Biology, Algorithms
2.	Dr. Baij Nath Kaushik	Associate Professor	Ph.D., M.Tech., B.E.	Machine Learning, Soft Computing, Nature

				Inspired Algorithms, Parallel Algorithms, Pattern Recognition
3.	Dr. Ajay Kaul	Associate Professor	Ph.D., M.Tech., B. E.	Security in Mobile Ad-hoc Networks, Image Processing
4.	Mr. Manoj Kumar Verma	Assistant Professor	M.Tech.,B.Tech.	Computer Network
5.	Ms. Sonika Gupta	Assistant Professor	M.C.A.	Data Mining, Operating Systems, Data structures
6.	Dr. Sunanda Gupta	Assistant Professor	Ph.D., M.C.A.	Optimization techniques, Algorithms Analysis, Artificial Intelligence
7.	Dr. Sakshi Arora	Assistant Professor	Ph.D.	Soft computing, Machine Learning, Digital Image Processing
8.	Dr. Naveen Kumar Gondhi	Assistant Professor	Ph.D., M. Tech.	Computer Network Management & Expert System, Mobile Adhoc Network.
9.	Ms. Pooja Sharma	Assistant Professor	B.E.	Adhoc Network, Compiler, Software Engineering.
10.	Mr. Sanjay Sharma	Assistant Professor	M.Tech., B.E.	Java Technology, Network security, Machine Learning
11.	Mr. Deo Prakash	Assistant Professor	M.Tech, B.E.	Computer Networks
12.	Mr. Anuj Mahajan	Assistant Professor	M.Tech, B.E	Software Engineering, Web Information Retrieval
13.	Mr. Sudesh Kumar	Assistant Professor	M.E., B.E.	Computer Networks, Network Security.
14.	Dr. Abhishek Gupta	Assistant Professor	Ph.D., M.E., B.E.	Image Processing and Computer Vision
15.	Mr. Alex Joseph	Assistant Professor	M.Tech, B.Tech.	
16.	Ms. Monia	Assistant Professor	M.Tech, B.Tech.	

3. Programmes Offered & Enrollment:

B.Tech.	M.Tech.	Ph.D.
90	18	As per slots available

4. Details of B.Tech. Students:

Batch	Admitted Students		
	Male	Female	Total
B.Tech.	75	12	87

5. Details of M.Tech./M.Sc./M.A. Students:

Batch	Admitted Students		
	Male	Female	Total
2018 Entry			
M.Tech.	04	14	18

6. Details of Research Scholars:

Year 2018-19	Ph.D.		
	Male	Female	Total
Admitted 2018-19	03	06	09
Awarded 2018-19	-	-	-
Total Presently under Supervision	12	19	31

7. Extension Lectures Delivered by Outside Experts in the School:

1. Prof. Ashish Ghosh, ISI Kolkata, delivered a special lecture on "Deep Learning, Machine Learning" at SoCSE, SMVDU, Katra from 6th - 10th August, 2018.
2. Prof. Sumit Dua, Louisiana Tech. University, USA, delivered a special lecture on "Data Analytics & Big Data" at SoCSE, SMVDU, Katra from 6th - 10th August, 2018.
3. Prof. Sriraman Dua, Vowel Tech Software delivered a special lecture on "Data Analytics with Python" at SoCSE, SMVDU, Katra from 4th - 8th September, 2018.
4. Dr. Kavitha, Texas Instruments delivered a special lecture on "Internet of Things (IoT) with Cloud Applications" at SoCSE, SMVDU, Katra, from 4th - 8th February, 2019.
5. Prof Rajiv Srivastava, IIT BHU delivered a special lecture on "AI and Machine Learning" at SoCSE, SMVDU, Katra, from 17th - 21st Decembrer, 2018.
6. Dr. Neeraj Kumar, Thapar University, Patiala, delivered a special lecture on "Graphs in Data Structure" at SoCSE, SMVDU, Katra, on 26th April 2019.
7. Dr. A.K. Verma, Thapar University, Patiala delivered a special lecture on "Concurrency Control in DBMS" at SoCSE, SMVDU, Katra, on 26th April, 2019.

8. Degree Awardees:

B.Tech : --

M.Tech : 17

M.Sc. : NA

Ph.D. : --

Names of Ph.D. Degree Awardees: Nil

9. Information About Each Faculty

9.1 Research Projects Initiated & Completed by the Faculty:

Title of the Project	Funding agency	Amount sanctioned	Status/Duration
Automatic monitoring of plants based on leaf segmentation (PI: Dr. Abhishek Gupta)	UGC	10 Lakhs	Ongoing, 2 years
Smart Farming for precision agriculture using IoT in Jammu & Kashmir (PI: Ms. Monia, Co-PI: Ms. Pooja Sharma)	TEQIP III	13 Lakhs	Ongoing, 1 Year

9.2 Research Publications (with full details in APA Manual)

For paper:

1. Sharma, Reya; Kaushik, Baijnath; & Gondhi, Naveen. (2018). *Devnagri and Gurumukhi Script Recognition in the context of Machine Learning Classifier*. Journal of Artificial Intelligence, 11 (2), 65-70. <https://doi=jai.2018.65.70>
2. Gupta, Abhineet; Kaushik, Baijnath. (2018). *Feature Selection from Biological Database for Breast Cancer Prediction and Detection Using Machine Learning Classifier*. Journal of Artificial Intelligence, 11 (2), 55-64. <https://10.3923/jai.2018.55.64>
3. Gupta, Niharika; Kaushik, Baijnath. (2018). *Machine Learning in Biomedical Mining for Disease Detection*. Journal of Artificial Intelligence, 11 (2),39-47.<https://doi=jai.2018.39.47>
4. Sharma, Surbhi; Kaushik, Baijnath. (2018). *Quantitative Analysis of Stock Market Prediction for Accurate Investment Decisions in Future*. Journal of Artificial Intelligence, 11 (2),48-54. <https://doi=jai.2018.48.54>
5. Maken, Payal; Gupta, Abhishek; Gupta, Manoj Kumar. (2019), "A Study on Various Techniques Involved in Gender Prediction System: A Comprehensive Review", Cybernetics and Information Technologies, 19(2):51-73, Scopus indexed Journal, http://www.cit.iit.bas.bg/CIT_2019/v-19-2/10341-Volume19_Issue_2-04_paper.pdf

6. Maken, Payal; Gupta, Abhishek (2019) "A review of gender prediction from handwriting using different algorithms", Journal of applied science and computations, Vol 6, issue 3. [https:// app. box. com/s /6sjjq3i4_q4bjirf_s3qsj8m_uh90yq6yzw](https://app.box.com/s/6sjjq3i4_q4bjirf_s3qsj8m_uh90yq6yzw)
7. Jasiya, Fayaz; Sharma Sanjay. (2019). *Video Based Steganography using DCT and LSB –A Survey*. Vol No VI, (Issue III), Pages 262-268. JASC: Journal of Applied Science and Computations.
8. Trisal, Sushil; Koul, Ajay. (2019), "A novel approach to reduce the computational complexity of KNN Algorithm for detecting human behavior on social networks, Journal of Intelligent & Fuzzy Systems, DOI: 10.3233/JIFS-181336.
9. Chouhan, SS; Kaul, A; Singh, UP. (2018), "Soft computing approaches for image segmentation: A survey", Multimedia Tools and Applications 77 (21).
10. Singh, Jasvinder Pal; Jain, Sanjeev; Arora, Sakshi; Singh, Uday Pratap. (2018). "Vision-Based Gait Recognition: A Survey". 2169-3536, volume 6, IEEE. Translations.
11. Gupta, Shaguna; Arora Sakshi. (2018). "Queuing Systems in Cloud Services Management: A Survey". International Journal of Pure and Applied Mathematics, Volume 119 No. 12.
12. Kaur, Vippon Preet; Arora Sakshi. (2018). "Fruit Disease Detection Using Rule-Based Classification", Smart Innovations in Communication and Computational Sciences, Springer, AISC volume 851, pp. 295-312.
13. Sharma, Cheena; Sunanda. (2018). "Performance Analysis of ECC and RSA for Securing CoAP-Based Remote Health Monitoring System." Ambient Communications and Computer Systems. Springer, Singapore, pp. 615-628.
14. Bakshi, Aditya; Sunanda. (2018). A Comparative Analysis of Different Intrusion Detection Techniques in Cloud Computing", Advanced Informatics for Computing Research, 358-378, CCIS series, Vol (956).
15. Bal, Rausheen; Bakshi, Aditya; Gupta, Sunanda. (2019) "Performance Evaluation of Optimization Techniques with Vector Quantization Used for Image Compression." Harmony Search and Nature Inspired Optimization Algorithms. Springer, Singapore 879-888.
16. Khajuria, Rakshit; Sunanda; Singh, Sidharth. (2018) "A Survey of Existing Leaf Disease Detection Techniques using Artificial Neural Network", International Journal of Computer Trends and Technology, Vol 59, Issue 1, 52-62.
17. Gupta, S.; Sharma, P. (2019). *Concept Based Mining for Enhancing Text Clustering – A Review of Models*. Journal of Applied Science and Computations, 6(3), 1076-5131.

9.3 Conferences/Workshops/Seminars/Short term Courses Attended & Presented Paper

10. Dr. Abhishek Gupta participated in Wireless and Mobile Communication (FDP) at SMVDU, Katra, J&K from 3rd -7th November, 2018.
11. Dr. Abhishek Gupta participated in Application of Data Science & Machine Learning (FDP) at SMVDU, Katra, J&K from 6th -10th August, 2018.
12. Dr. Abhishek Gupta participated in "Advanced Techniques for Next Generation Networks with Focused on 5G, IoT and Aerially Controlled HETNETs (FDP)" at SMVDU, Katra, J&K from 16th -20th December, 2018.
13. Dr. Abhishek Gupta participated in "Professional Ethics and Human Values- A Gandhian Perspective (FDP)" at SMVDU, Katra, J&K, from 11th -15th March, 2019.
14. Dr. Abhishek Gupta participated in Faculty Induction Program at SMVDU, Katra, J&K from 2nd January - 01st February, 2019.
15. Dr. Abhishek Gupta participated in 5th International Conference on "Recent Trends and Advancements in Engineering and Technology" at SMVDU, Katra, J&K from 25th -26th October, 2018.
16. Dr. Abhishek Gupta participated in Quantonium'19-NCCSACT: A National Conference on Cyber Security and Advances in Computer Technologies at Indira College of Engineering and Management, Pune, India on 22nd March, 2019.
17. Sanjay Sharma participated in two week Refresher Course on "Introduction to MATLAB and Research Enhancement Tools" at School of E&C, SMVDU, Katra, J&K from 13th -22nd July, 2018.
18. Sanjay Sharma attended one week FDP on "Wireless and Mobile Communication" at School of CSE, SMVDU, Katra, J&K from 3rd -7th December 2018.
19. Sanjay Sharma attended one week short term course on "Advance Techniques for next generation Networks with focused on 5G, IoT" at School of E&C, SMVDU, Katra, J&K, from 16th -20th December 2018.
20. Sanjay Sharma attended one week Faculty Development Programme on "Networking & Cyber Security" organized by IEEE Computer Society and SMVDU at SMVDU, Katra, J&K, from 3rd -7th July 2018.
21. Sanjay Sharma participated in 12 week NPTEL Online Certification course, titled "Joy of Computing Using Python" at SMVDU, Katra from January-April, 2019.
22. Manoj Kumar Verma attended an international conference on "Recent Trends in Computer Applications and Information Technology (RTCAIT 2019)" organized by M.M. Institute of Computer Technology and Business Management at M. M. University, Mullana, Ambala, Haryana, on 19th & 20th April, 2019.

23. Manoj Kumar Verma participated in one week workshop on "Professional Ethics & Human Values – A Gandhian Perspective" organized by FDC at SMVDU, Katra, J&K from 11th -15th March, 2019.
24. Manoj Kumar Verma attended Faculty Development Program on "Database Management Systems" organized by NPTEL-AICTE, at SMVDU, Katra from August -September 2018.
25. Manoj Kumar Verma attended and chaired a session in 5th international conference on "Recent Trends and Advancements in Engineering and Technology (ICRTAET)" at SMVDU, Katra, J&K, from 25th-26th October, 2018.
26. Manoj Kumar Verma participated in "Professional Development Training" organized by Indian Institute of Management Tiruchirappalli (IIM, Trichy) on 6th – 10th August, 2018.
27. Manoj Kumar Verma completed a two week Refresher Course on "Introduction to MATLAB and Research Enhancement Tools" at School of ECE & HRDC, SMVDU, Katra from 13th- 22nd July, 2018.
28. Manoj Kumar Verma attended one week Faculty Development Program on "Networking & Cyber Security" at IEEE, IEEE Computer Society and SMVDU, Katra from 3rd- 7th July, 2018.
29. Dr. Ajay Koul attended TEQIP-III Summer Training program on Active Learning on the theme pedagogy and research at IIT Mumbai from 11th-15th June 2018.
30. Dr. Ajay Koul attended a Professional Development Training for TEQIP institutions at IIM Kozhikode from February 26th - March 2nd 2018.
31. Dr. Manoj Kumar Gupta participated in one week FDP on "Wireless and Mobile Communication" EICT Academies through NKN at SMVDU Katra from 3rd-7th December, 2018.
32. Dr. Manoj Kumar Gupta participated in one week FDP on "Applications of Data Science & Machine Learning" at SMVDU, Katra, from 6th-10th August, 2018.
33. Dr. Manoj Kumar Gupta participated in one week FDP on "Networking and Cyber Security" at SMVDU Katra from 3rd-7th July, 2018.
34. Dr. Sakshi Arora attended one week workshop on Pedagogy/under Pandit Madan Mohan Malaviya National Mission on Teachers & Teaching (PMMMNTT) scheme of MHRD at SMVDU Katra from 11th-15th March, 2019.
35. Dr. Sakshi Arora attended FDP on Artificial Intelligence & Machine Learning/ organized by Electronics & ICT Academy through National Knowledge Network at SMVDU Katra from 17th-21st December 2018.

36. Dr. Sunanda Gupta attended one week workshop on Pedagogy under Pandit Madan Mohan Malaviya National Mission on Teachers & Teaching (PMMMNMTT) scheme of MHRD at SMVDU, Katra, from 11th-15th March, 2019.
37. Dr. Sunanda Gupta attended FDP on Wireless & Mobile Communication organized by Electronics & ICT Academy through National Knowledge Network at SMVDU, Katra, from 3rd-7th December, 2018.
38. Dr. Sunanda Gupta attended FDP on "Artificial Intelligence & Machine Learning" organized by Electronics & ICT Academy through National Knowledge Network at SMVDU, Katra, from 17th-21st December, 2018.
39. Mr. Anuj Mahajan attended one week Faculty Development Workshop on Networking & Cyber Security conducted by IEEE at SMVDU Katra from 3rd-7th July, 2018.
40. Mr. Anuj Mahajan completed Faculty Development Programme on "Programming in Java" at SMVDU, Katra, from January-April 2019.
41. Mr. Sudesh Kumar attended one week FDP on "Networking & Cyber Security" at SMVDU, Katra, from 3rd-7th July, 2018.
42. Mr. Sudesh Kumar attended one week FDP on "Wireless & Mobile Communication" at SMVDU, Katra from 3rd-7th December, 2018.
43. Mr. Sudesh Kumar attended one week STC on "Advanced Techniques for Next Generation Networks with Focused on 5G, IoT & Aerially Controlled HETNETs" at SMVDU, Katra from 16th-20th December, 2018.
44. Mr. Sudesh Kumar attended one week FDP on "Artificial Intelligence & Machine Learning" at SMVDU, Katra, from 17th-21st December, 2018.
45. Mr. Sudesh Kumar attended one week FDP on "Data Analytics" at NIT, Kurukshetra, from 28th February-4th March, 2019.
46. Mr. Sudesh Kumar attended one week workshop on "Pedagogy" at SMVDU, Katra, from 11th-15th March, 2019.
47. Mr. Sudesh Kumar attended one week FDP on "Research Methodology using R and E-View" at SMVDU, Katra, from 21st-25th May, 2019.
48. Ms. Pooja Sharma attended one week workshop on "Pedagogy" at SMVDU from 11th-15th March 2019.
49. Ms. Sonika attended one week workshop on "Big Data Analytics & Machine Learning" at Dr. B.R Ambedkar Institute of Technology, Andaman & Nicobar Islands from 22nd-27th April, 2019.
50. Ms. Sonika attended one week workshop on "Pedagogy" at SMVDU from 11th-15th March, 2019.

51. Ms. Sonika attended one week FDP on "Networking & Cyber Security" at SMVDU from 3rd-7th July, 2018.
52. Mr. Alex attended Advance Pedagogy Workshop at IIT Gandhinagar from 21st-26th May, 2019.
53. Ms. Monia attended Advance Pedagogy Workshop at IIT Gandhinagar from 21st-26th May, 2019.
54. Ms. Monia attended IEEE ICECCT 2019 Conference on 20th-23rd February 2019.
55. Dr. Abhishek Gupta presented a Review of gender prediction from handwriting using different algorithm in Quantonium'19-NCCSACT: National Conference on cyber security and advances in computer technology) at Indira College of Engineering and Management, Pune, India on 22nd March, 2019.
56. Dr. Baijnath Kaushik attended FDP titled "Networking & Cyber Security" organized by IEEE CSI at SoCSE, SMVDU, and Katra, from 3rd-07th July, 2018.
57. Dr. Baijnath Kaushik attended FDP titled "Internet of Things: Theory & Applications" at IIT Kharagpur from 24th-28th October, 2018.
58. Dr. Baijnath Kaushik attended a FDP titled on "Research Methodology" at SoCSE, SMVDU, Katra, from 8th-12th October, 2018.
59. Dr. Baijnath Kaushik attended a FDP titled on "Contemporary Research & IPR Recent Trends in Data Science & Machine Learning" at JNTU, Hyderabad from 28th -01st February 2019.
60. Dr. Baijnath Kaushik attended a FDP on "Machine Learning" (ML-2019) at Baba Ghulam Shah University, Rajouri from 29th-02nd May, 2019.
61. Dr. Baijnath Kaushik attended a FDP on "Recent Trends in Machine Learning data Science and Deep Learning" (Two weeks Winter School/FDP) at SMVDU, Katra, from 16th February-01st March, 2019.
62. Dr. Baijnath Kaushik attended 3rd International Conference on Computational Intelligence & Informatics at JNTU, Hyderabad from 28th-29th December, 2018.
63. Dr. Baijnath Kaushik attended a National Conference on "Equity: Achievement & Challenges in India at College of Engineering, Pune from 15th-16th March, 2019.
64. Dr. Baijnath Kaushik attended FDP titled "Applications of Data Science & Machine Learning" at SoCSE, SMVDU, Katra, from 6th-10th August, 2018.
65. Dr. Baijnath Kaushik attended FDP on "Data Analytics with Python" at SoCSE, SMVDU, Katra, from 4th-8th September, 2018.
66. Dr. Baijnath Kaushik attended FDP on "a Wireless and Mobile Communication" at SoCSE, SMVDU, Katra from 03rd-7th December, 2018.

67. Dr. Baijnath Kaushik attended FDP on "AI and Machine Learning" at SoCSE, SMVDU, Katra from 17th-21st December, 2018.
68. Dr. Baijnath Kaushik attended FDP on "Internet of Things (IoT) with Cloud Applications" at SoCSE, SMVDU, Katra, from 04th-08th February, 2019.
69. Dr. Ajay Koul attended 3rd international conference on "Advancement in Engineering, Applied Science and Management (ICAEASM 2018)" at Indian Council of Social Science Research, North West Regional Centre, Punjab University Campus, Chandigarh, on 27th May, 2018.
70. Dr. Manoj Kumar Gupta attended 5th international conference on "Signal Processing and Communication" at IIIT Noida on 7th-9th March, 2019.
71. Dr. Manoj Kumar Gupta attended 5th international conference on "Computational Intelligence and Communication Technology" at ABES Ghaziabad from 22nd-23rd February, 2019.
72. Dr. Manoj Kumar Gupta attended 5th international conference on "Computational Intelligence and Communication Technology" at ABES Ghaziabad on 22nd-23rd February, 2019.
73. Dr. Manoj Kumar Gupta attended international conference on "Recent Innovation in Computin" at Central University of Jammu, from 8th-9th March, 2019.
74. Mr. Anuj Mahajan attended 1st international conference on "Advanced Technologies in Science and Engineering" at PRS College of Engineering and Technology, Kerala on 8th May, 2019.
75. Ms. Pooja Sharma attended 5th international conference on "Recent Trends and Advancements in Engineering and Technology" at SMVDU, Katra, J&K, from 25th-26th October, 2018.
76. Ms. Sonika Gupta attended an international conference on "Management Education: The Road Ahead" at SMVDU from 6th-7th June, 2019.
77. Ms. Sonika Gupta attended a national conference on "Cyber security and advances in Computer Technology" at Indira College of Engg. & Management, Pune, Maharashtra on 22nd March, 2019.

9.4 Conferences/ Seminars /Workshops/FDPs/MDPs Organized

1. Mr. Sanjay Sharma organized four day Hackathon for the first year students under Code Club at SMVDU, Katra, J&K from 22nd-26th April, 2018.
2. Dr. Baijnath Kaushik, Coordinator organized Applications of Data Science & Machine Learning (FDP) at SoCSE, SMVDU, Katra on 6th-10th August, 2018.

3. Dr. Baijnath Kaushik, Coordinator, organized Data Analytics with Python (FDP) at SoCSE, SMVDU, Katra from 4th-8th September, 2018.
4. Dr. Baijnath Kaushik, Coordinator, organized Wireless and Mobile Communication (FDP) at SoCSE, SMVDU, Katra, from 3rd-7th December, 2018.
5. Dr. Baijnath Kaushik, Coordinator, organized an AI and Machine Learning (FDP) at SoCSE, SMVDU, Katra from 17th-21st December, 2018.
6. Dr. Baijnath Kaushik, Coordinator, organized Internet of Things (IoT) with Cloud Applications (FDP) at SoCSE, SMVDU, Katra from 4th-8th February, 2019.
7. Dr. Sakshi Arora organized one day workshop on Python, in collaboration with Teaching Learning Centre (ICT), IIT Bombay at SMVDU Katra on 22nd May, 2019.
8. Dr. Sunanda Gupta organized a one day workshop on Python, in collaboration with Teaching Learning Centre (ICT) at IIT Bombay, at SMVDU Katra on 22nd May, 2019.
9. Mr. Sudesh Kumar organized a two-week Winter School for Engg. Streams from 16th February–01st March, 2019 at Faculty Development Centre, SMVDU, Katra.
10. Mr. Sudesh Kumar organized one day SciLab Workshop, in collaboration with IIT Bombay, at SMVDU Katra on 4th May, 2019.

9.5 Ph.D. Guided

S. No.	Name of the Student (s)	Registration Year	Supervisor	Co-Supervisors (If any)	Remarks
1.	Ms. Nivedita	2013	Dr. Naveen Gondhi	NA	Ongoing
2.	Mr. Sushil Trishal	2014	Dr. Ajay Kaul	NA	Ongoing
3.	Mr. Dhruv	2014	Dr. Naveen Gondhi	NA	Ongoing
4.	Ms. Chahat	2015	Dr. Naveen Gondhi	NA	Ongoing
5.	Mr. Aditya Bakshi	2015	Dr. Sunanda	NA	Ongoing
6.	Mr. Satish Kumar	2016	Dr. Sunanda	Dr. Sakshi	Ongoing

7.	Ms. Nikarika	2016	Dr. Baij Nath Kaushik	NA	Ongoing
8.	Mr. Jasvinder Pal Singh	2016	Prof. Sanjeev Jain	Dr. Sakshi Arora and Dr. Uday Pratap	Ongoing
9.	Mr. Siddharth Singh Chouhan	2016	Dr. Ajay Koul	Dr. Uday Pratap	Ongoing
10.	Ms. Kanica Sachdev	2017	Dr. Manoj Gupta	NA	Ongoing
11.	Ms. Rudrika	2017	Dr. Sakshi Arora	NA	Ongoing
12.	Mr. Abhineet Gupta	2017	Dr. Baij Nath Kaushik	NA	Ongoing
13.	Ms. Surbhi Sharma	2017	Dr. Baij Nath Kaushik	NA	Ongoing
14.	Mr. Arjun Puri	2017	Dr. Manoj Gupta	NA	Ongoing
15.	Ms. Insha Majeed	2017	Dr. Sakshi Arora	NA	Ongoing
16.	Ms. Reya Sharma	2017	Dr. Baij Nath Kaushik	NA	Ongoing
17.	Ms. Shikha Magotra	2017	Dr. Baij Nath Kaushik	NA	Ongoing
18.	Ms. Akshma Chadha	2017	Dr. Baij Nath Kaushik	NA	Ongoing
19.	Mr. Sudesh Kumar	2017	Dr. Sunanda	NA	Ongoing
20.	Ms. Sakshi Popli	2017	Prof. Sanjeev Jain	Dr. R K Jha	Ongoing

21.	Mr. Vinod Kumar	2017	Prof. Sanjeev Jain	Dr. R K Jha	Ongoing
22.	Ms. Harnain Kour	2018	Dr. Manoj Gupta	NA	Ongoing
23.	Ms. Surbhi Gupta	2018	Prof. Sanjeev Jain	Dr. Manoj Gupta	Ongoing
24.	Mr. Nikhil Gupta	2018	Dr. Manoj Gupta	NA	Ongoing
25.	Ms. Malvika Ashok	2018	Dr. Abhishek Gupta	NA	Ongoing
26.	Mr. Yusera Farooq Khan	2018	Dr. Baij Nath Kaushik	NA	Ongoing
27.	Ms. Vippon Preet Kaur	2018	Dr. Sakshi Arora	NA	Ongoing
28.	Ms. Navleen Kour	2018	Dr. Sunanda	Dr. Sakshi Arora	Ongoing
29.	Gourav Kumar	2018	Prof. Sanjeev Jain	NA	Ongoing
30.	Davinder Paul Singh	2018	Dr. Abhishek Gupta	Dr. Baijnath Kaushik	Ongoing
31.	Insha Altaf	2018	Dr. Ajay Kaul	NA	Ongoing

9.6 Students' Achievement

1. Ms. Payal Maken, an M.Tech. student, won best paper award for a paper titled "A review of gender prediction from handwriting using different algorithm" in a national conference on cyber security and advances in computer technology: Quantonium'19-NCCSACT on 22nd March, 2019 at Indira College of Engineering and Management, Pune.
2. Ms. Payal Maken, an M.Tech. student, published an article titled "A Study on Various Techniques Involved in Gender Prediction System: A Comprehensive Review", in Cybernetics and Information Technologies.
3. Mr. Mayank selected as a Research Assistant at NTU, Singapore.

4. Mr. Nandan Pandey qualified GATE-2019 with AIR 3856.
5. Mr. Abhinandan Sharma, B.Tech. 2nd Year student, accepted to participate in the Google Summer of Code 2019 program, administered from Google Corporate Headquarters at 1600 Amphitheatre Parkway, Mountain View, CA 94043.
6. Ms. Richa Vij, M.Tech. published an article titled "Human face Tracking and Recognition in video frames using Machine Learning Algorithms", accepted in International journal of Innovative Technology and Exploring Engineering.
7. Many students from 6th semester received internship offer from IIT Jammu, ISI Kolkata, NIT Allahabad and DRDO.
8. Many students from final year got selected in reputed companies like Samsung R&D, Intel etc. with a package bracket of 6-8 Lacs.

School of Energy Management

1. Name of the Department: School of Energy Management

2. Faculty Profile:

S. No	Name of the Faculty Member	Designation	Qualification	Specialization
1.	Dr. Sanjeev Anand	Assistant Professor	Ph.D.	Exergy, Refrigeration and Air-conditioning systems, I. C. Engines, Energy Efficiency in Buildings
2.	Dr. Vineet V. Tyagi	Assistant Professor	Ph.D., Post Doctorate	Solar Energy Applications, Energy Storage, Phase Change Materials
3	Mr. Amit Verma	Assistant Professor	M. Tech.	Solar Photovoltaics Design

4	Ms. Shaivya Manhas	Assistant Professor	M.Tech.	Solar Desalination
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3. Programmes Offered & Enrollment:

B. Tech.	M.Tech.
NA	M.Tech. (Energy Systems)

4. Details of B. Tech. Students:

Batch	Admitted Students		
	Male	Female	Total
2018 Entry	NA	NA	NA

5. Details of M.Tech./M.Sc./M.A. Students:

Batch	Admitted Students		
	Male	Female	Total
2018 Entry	07	05	12

6. Details of Research Scholars:

Year 2017-18	Ph.D.		
	Male	Female	Total
Admitted 2018-19	01	-	01
Awarded 2018-19	00	-	00
Total Presently under Supervision	08	-	08

7. Extension Lectures Delivered by Outside Experts in the School:

- 1 Prof J. M. Mathur delivered a lecture on "Energy Efficiency in Buildings" on 18th April, 2019.

8 Degree Awardees:

B.Tech : NA
M. Tech : 11
M. Sc. : NA
Ph.D. : 0

Names of Ph.D. Degree Awardees: 0

9 Information About Each Faculty

9.1 Research Projects Initiated & Completed by the Faculty:

Title of the Project	Funding agency	Amount sanctioned	Status/Duration
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Development of Solar Thermal Photovoltaic Hybrid System with PCM`s storage unit for heating and cooling application in Buildings	Department of Science and Technology, Govt. of India	06 lacs	In progress
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9.2 Research Publications (with full details in APA Manual)

1. Gupta, A., Anand, S., Tyagi, S.K., (2018) *Impact of Varying Cooling Capacity on Performance Parameters in a Single- Effect Absorption Refrigeration System. Journal of Thermal Engineering.*
2. Gupta, A., Anand, Y., Anand, S., (2018) *Exergy quantification for a variable capacity solar absorption system. International Journal of Exergy. 25(4), 300-325. SCI IF: 1.13*
3. Singh, Har Mohan, Pathak, Atin K. Chopra, Kapil, Tyagi, V.V., Anand, Sanjeev & Kothari, Richa. (2018). Microbial fuel cells: a sustainable solution for bioelectricity generation and wastewater treatment, ESCI DOI: 10.1080 /17597269.2017 .1413860.
4. Chauhan, Aditya, Tyagi, V.V., Anand, Sanjeev. (2018). Futuristic approach for thermal management in solar PV/thermal systems with possible applications, *Energy Conversion and Management (163) 314–354 SCI IF: 7.181*
5. Chauhan, A, Tyagi, V. V., Anand S. (2019). Minimum entropy generation and its validation against Hottel Whillier model for PV/T and FPC collectors, *Solar Energy (188), 143-157, (I.F. -4.67)*
6. Singh, H. M.; Kothari, R; Gupta, R; Tyagi, V. V. (2019). Bio-fixation of flue gas from thermal power plants with algal biomass: Overview and research perspectives, *Journal of Environmental Management, SCI (I. F. -4.86)*
7. Singh, G; Singh, P.J.; Tyagi, V. V.; Barnwal, P.; Pandey, A. K. (2019). Exergy and exergoeconomic analysis of cream pasteurization plant, *Journal of Thermal Analysis and Calorimetry. (I. F. - 2.47)*
8. Singh, G; Singh, P.J.; Tyagi, V. V.; Barnwal, P; Pandey, A. K. (2019) Thermal and exergoeconomic analysis of a dairy food processing plant, *Journal of Thermal Analysis and Calorimetry (Volume 136, Issue 3), 1365–1382 (I. F. - 2.47)*
9. Singh, G; Singh, P. J.; Tyagi, V. V.; Barnwal, P; Pandey, A. K. (2019) Exergy and thermo-economic analysis of ghee production plant in dairy industry, *Energy, (F.- 5.53)*

10. Sari, A; Sharma, RK; Hekimoğlu, G; Tyagi, V. V. (2019). Preparation, characterization, thermal energy storage properties and temperature control performance of form-stabilized sepiolite based composite phase change materials, *Energy and Buildings* (188) , 111-119, (I.F. - 4.49)
11. Hossain, M S; Pandey, A. K.; Selvaraj, J; Rahim, NA; Islam, MM; Tyagi, V. V. (2019). Two side serpentine flow based photovoltaic-thermal-phase change materials (PVT-PCM) system: Energy, exergy and economic analysis, *Renewable Energy* (136), 1320-1336, (I.F. - 5.43)
12. George, M; Pandey, A.K.; Rahim, N A; Tyagi, V. V.; Shahabuddin, S; Saidur, R. (2019). Concentrated photovoltaic thermal systems: A component-by-component view on the developments in the design, heat transfer medium and applications, *Energy Conversion and Management* (186) , 15-41, (I.F. - 7.18)
13. Pandey, V. V. Pathak; Kothari, R; Black, P N; Tyagi V.V. (2019). Experimental studies on zeta potential of flocculants for harvesting of algae, *Journal of Environmental Management* (231) , 562-569, (I.F. - 4.86)
14. Tyagi, S. K; Kothari, R; Tyagi, V. V. (2019). Recent advances in biofuels in India, *Biofuels* 10 (1), 1-2, (I.F. -1.13)
15. Hossain, M. S; Pandey, A. K.; Selvaraj, J; Rahim, N A; Rivai, A; Tyagi, V. V. (2019). Thermal performance analysis of parallel serpentine flow based photovoltaic/thermal (PV/T) system under composite climate of Malaysia, *Applied Thermal Engineering*, (I.F. -4.02)
16. Sinha, S. K.; Subramanian, K. A.; Singh, H. M.; Tyagi, V. V.; Mishra, A. (2019). Progressive Trends in Bio-Fuel Policies in India: Targets and Implementation Strategy, *Biofuels*, 1-12,(I.F. -1.13)

9.3 Conferences/Workshops/Seminars/Short term Courses Attended

1. Dr. Vineet Tyagi attended 5th IET International Conference on Clean Energy and Technology (CEAT2018), Kuala Lumpur, Malaysia from 5th -6th September, 2018.

9.4 Conferences/ Seminars /Workshops/FDPs/MDPs Organized

NIL

9.5 Ph.D. Guided

08 ongoing

9.6 Students' Achievement

1. Summer training of the students conducted at Bosch.
2. Presented Research papers in national & international conference.
3. Undergone training at various institutes of repute.

4. Recipient of Inspire Fellowship.
5. National Renewable Fellowships for M.Tech. and Ph.D.

School of Mechanical Engineering

1. Name of the School: School of Mechanical Engineering

2. Faculty Profile:

S. No.	Name of the Faculty Member	Designation	Qualification	Specialization
01.	Dr. Raghvendra Kumar Mishra	Associate Professor & Head	Ph.D., M.Tech., B.Tech.	Computational Mechanics and Materials Science
02.	Dr. I. K. Pandita	Professor	Ph.D.	Model Based Design, Structural Dynamics, Structural Design and Mechanics

03.	Dr. Eswaramoorthy Muthusamy	Professor and Dean Faculty of Engineering	Ph.D., M.Tech.,B.E.	Solar Thermal Engineering
04.	Dr. Balbir Singh	Associate Professor	Ph.D., M.Tech., MA, DBM, PGDHE	Production Engineering
05.	Dr. Ankush Ananad	Associate Professor	B.E, Ph.D.	Design Optimization
06.	Mr. Sanjay Mohan Sharma	Assistant Professor	B.E, M.Tech. (Industrial Engg.)	Machine Design, Ergonomics
07.	Mr. Sanjay Sharma	Assistant Professor	M.Tech. (Thermal Engg.)	Thermal Engineering, Heat Transfer, Refrigeration and Air Conditioning
08.	Mr. Varun Dutta	Assistant Professor	M.Tech. (Design Engineering), BE (Mechanical Engg.)	FEM, Automobiles, CAD, CAM, EG, DOM
09.	Dr. Yatheshth Anand	Assistant Professor	B.E. (Mechanical), M. E. (CAD/CAM & Robotics), Ph.D.(Building Exergy Analysis)	FEM, CAD, CAM, AI & Robotics.
10.	Mir Irfan Ul Haq	Assistant Professor	M.Tech., B.Tech.	Design, Numerical Analysis, Automobile Durability Analysis.
11.	Mr. Kapil Chopra	Assistant Professor	M.Tech.	Thermal Engineering.
12.	Mr. Amit Kumar Sinha	Assistant Professor	M.S.	Systems Engg. (Industrial Engg.).
13.	Mr. Ankush Raina	Assistant Professor	M.Tech.	Basic Thermodynamics, TOM, DOM, Fluid Mechanics and Machines.
14.	Mr. Rajiv Kumar	Assistant Professor	M.Tech.	Natural Fiber Reinforced Polymer Composites, CMMS

3. Programmes Offered & Enrollment:

B.Tech.	M.Tech.
43	15

4. Details of B.Tech. Students:

Batch	Admitted Students		
	Male	Female	Total
2018 Entry			
B.Tech.	40	03	43

5. Details of M.Tech./M.Sc./M.A. Students:

Batch	Admitted Students		
	Male	Female	Total
2018 Entry			
M.Tech.	15	-	15

6. Details of Research Scholars:

Year 2018-19	Ph.D.		
	Male	Female	Total
Admitted 2018-19	02	-	02
Awarded 2018-19	-	-	-
Total Presently under Supervision	04	-	04

7. Extension Lectures Delivered by Outside Experts in the School:

1. Prof. A. Manna, Former Head, DoME in Punjab Engineering College, Chandigarh delivered a lecture on "Non-Conventional, micro and Hybrid Machining" on 6th April, 2018.
2. Prof. Noe G. Alba-Baena Universidad Autonoma de Ciudad Juarez (UACJ), Mexico, delivered lecture on "Nano Composites Processing" on 23rd April, 2018.
3. Prof. Sandeep Kumar, Deptt. of Mech. Engg., IIT, BHU delivered a lecture on "Finite Element Methods" from 15th-17th October 2018.
4. Prof. L. Vijayaraghavan, Manufacturing Engineering Section, IIT, Madras delivered a lecture on "Industry 4.0 – An Overview" on 5th October, 2018.

8. Degree Awardees:

B.Tech : 29

M.Tech : 17

M.Sc. : NA

Ph.D. : 01

Names of Ph.D. Degree Awardees: Sanjay Mohan Sharma

9. Information About Each Faculty

9.1 Research Projects Initiated & Completed by the Faculty:

Dr. R. K. Mishra:

Project Submitted

1. FIST- PROJECT (Level-1) -----281 Lakhs
2. Analysis of the combined radial basis function of the thin plate spline and multi quadric radial basis for analysis of the plates and shells-----
-----6lakhs (MATRICE)

Dr. Ankush Anand:

Project submitted

1. Life Cycle Assessment of Vehicles - A Sustainability Perspective submitted to SERB, DST, Govt. of India ----- 18.40 Lacs.
2. Effect of surface roughness on the performance of lubricating oil submitted to DRDO, Govt. of India ----- 21.40 Lacs.

Mr. Sanjay Sharma:

Project submitted

1. Performance Evaluation of Box Type Solar Cooker Incorporated with Nano-Composite Phase Change Material ----- 6 lakh
2. The Static, dynamic and stability performance improvement of hydrodynamic journal bearing system by using surface textures ----- 6 lakh

9.2 Research Publications

For book:

1. Proceedings of the 2nd National Conference on Innovative Trends in Mechanical Engineering NCITME-2018. ISBN: 978-93-86240-24-8 published by GUTENBERG during March 23-24, 2018.

Dr. Balbir Singh:

2. Dr. Balbir Singh contributed a book chapter: "Wire Electrical Discharge Machining" 'Modern Machining Processes' ISSN:978-93-8676-183-5, Pub: Ane Books Pvt. Ltd., New Delhi.

Mr. Kapil Chopra:

3. Pathak, Atin K.; Chopra, Kapil; Singh, Har Mohan; Tyagi, V. V.; Kothari, Richa Anand, Sanjeev; and Pandey A. K. (2018). *Environmental Biotechnology for Sustainable Future*. Singapore: Springer Nature.

For paper:

Dr. R. K. Mishra:

Journal Paper:

1. Kumar, Sandeep; Mishra, R.K.; Nandi, Tandra. (2018). Experimental and Theoretical Investigations of the High Performance Blends of Peek/PEI, *Journal of Polymer Engineering* 38(4), 351-362.
2. Tripathi, Prashant; Gupta, Vivek Kumar; Dixit, Anurag; Mishra Raghvendra Kumar; and Sharma, Satpal. (2018). Development and characterization of low cost jute, bagasse and glass fiber reinforced advanced hybrid epoxy composites, *AIMS Materials Science*, 5(2), 2018, 320–337.
3. Johri, Nitin; Mishra, Raghvendra; Thakur, Harishchandra. (2018). Design parameter optimization of Jute-chicken fiber reinforced polymeric hybrid composites, *Materials Today: Proceedings* 5, 19862–19873.
4. Johri, Nitin; Mishra, Raghvendra; and Thakur, Harishchandra. (2019). Synthesis and Characterization of Jute-Chicken Feather Fibre Reinforced Polymeric Hybrid Composites, *Mechanics of Composite Materials*, 54(6), 821-832.

Patent/Copyright Filed/Case Study Filed or Accepted [Please Specify, with documentary proof]

1. **Name of Inventor (Main Contact Person):** Anand Bharti, Ashish Ranjan , Saket Kumar, Sujit Kumar

Faculty: Engineering School/Department: Mechanical

Year of Joining SMVDU: 2014 **Contact number:** 7889453833 SMVDU

Email ID: 14bme047@smvdu.ac.in Name all

Other co-inventors: Dr. R.K.Mishra

Title of the Innovation: Fabrication and performance analysis of LPG or Compressed air based refrigeration system.

Reference no: SMVDU/IPMSC/016

2. **Name of Inventor (Main Contact Person):** Pawandeep Singh and R. K. Mishra
Title of the Innovation: Synthesis and characterization of bone based Nano particles

Reference no: SMVDU/IPMSC/027

3. **Name of Inventor (Main Contact Person):** Pawandeep Singh and R. K. Mishra
Title of the Innovation: Wear Behavior of Bone Ash Particulate Reinforced Aluminium Metal Matrix Composites

Reference no: SMVDU/IPMSC/36

Papers in Journals

4. Sharma, S., Dutta, V., & Eswaramoorthy, M. (2019). An Experimental Investigation on multi-V and protrusion element on absorber plate of solar air heater. *Energy Sources, Part A: Recovery, Utilization, and Environmental Effects*, 1-9.
5. Kumar, Rajesh; Kumar, Vivek; Singh Sushil Kumar; Dubey Vineet; and Singh Balbir. (2018). 'Comparative Study of Machining Parameters on Electrical Discharge Machining of Inconel 718 Using Copper and Copper Tungsten Electrode', *International Journal of Metallurgy and Alloys*, Vol. 4: Issue 1, 2018. eISSN: 2456-5113. (UGC approved list Journal), American Scientific Publishers.
6. Khajuria, Akhil; Bedi, Raman; Singh, Balbir; Akhtar Modassir. (2018). "EDM machinability and parametric optimization of 2014Al/Al₂O₃ composite by RSM", *International Journal of Machining and Machinability of Material*, vol. 20, No.6, Inderscience Publication.
7. Singh Mandeep & Singh, Balbir (2019), "A Review on the Parametric Optimization in MIG Welding using Taguchi Method" *International Journal of Science and Research (IJSR) Impact Factor (2018): 7.426 Volume 8 Issue 3, March 2019.*
8. Khajuria, Akhil; Akhtar, Modassir; Pandey, Manish Kumar; Singh, Mayur Pratap; Raina, Ankush; Bedi, Raman; Singh, Balbir (2019). "Influence of ceramic Al₂O₃ particulates on performance measures and surface characteristics during sinker EDM of stir cast AMMCs", *World Journal of Engineering*: doi.org/10.1108/WJE-01-2019-0015.
12. Sinha, A. K., & Anand, A. (2018). Development of sustainable supplier selection index for new product development using multi criteria decision making. *Journal of cleaner Production*, 197, 1587-1596. SCIE (Impact Factor: 6.39).
13. Sinha, A. K., & Anand, A. (2018). Lot sizing problem for fast moving perishable product: modeling and solution approach. *International Journal of Industrial Engineering*, 25(6), 757-778. SCIE (Impact Factor: 0.53).

14. Haq, Mir Irfan Ul & Anand, Ankush (2018). Friction and Wear Behaviour of AA 7075-Si 3 N 4 Composites Under Dry Conditions: Effect of Sliding Speed. *Silicon*, 1-7. <https://doi.org/10.1007/s12633-018-9967-0>.
15. Kumar, Rajiv; Haq, Mir Irfan Ul; Raina, Ankush & Anand, Ankush (2018) Industrial applications of natural fibre-reinforced polymer composites–challenges and opportunities, *International Journal of Sustainable Engineering* <https://doi.org/10.1080/19397038.2018.1538267>.
16. Raina, A., & Anand, A. (2018). Influence of surface roughness and nanoparticles concentration on the friction and wear characteristics of PAO base oil. *Materials Research Express*, 5(9), 1-13.
17. Kumar, R.; Ul Haq, M. I.; Raina, A., & Anand, A. (2018). Industrial applications of natural fibre-reinforced polymer composites–challenges and opportunities. *International Journal of Sustainable Engineering*, 1-9. SCOPUS.
18. Raina, A., & Anand, A. (2018). Influence of surface roughness and nanoparticles concentration on the friction and wear characteristics of PAO base oil. *Materials Research Express*, 5(9), 1-13. SCIE.

Conference Papers Published during the period:

20. Verma, P. K.; Dixit, S., & Anand, Y. (2018). *Combined Load Analysis of Re-profiled Railway Wheel*, *International Research Journal of Engineering and Technology (IRJET)*, Dec 2018, 1643-1652.
21. Anand, Y., Gupta, A., Tyagi, S. K., & Anand, S. (2018). *Variable Capacity Absorption Cooling System Performance For Building Application*. *Journal of Thermal Engineering*, 4(5), 2303-2317.
22. Verma, S.K., Anand, S., Anand, Y. (2018). *CFD based modelling of Ceiling Fan in a room*, *International Journal of Scientific and Technical Advancements*. 4(2), 219-224. ISSN : 2454 – 1532
25. Katoch, V., & Mohan, S. (2019). Design and fabrication of a safety frame for workers carrying out head lifting at construction sites. *Journal of Engineering, Design and Technology*, Emerald Publications
26. Kumar, Rajiv Anand, Ankush (2018) "Dry sliding friction and wear behavior of ramie fiber reinforced epoxy composites" *Materials Research Express* 6(1), 015309 DOI: <https://doi.org/10.1088/2053-1591/aae69b> (SCIE) Impact Factor ---(1.1)
27. Kumar, Rajiv & Anand, Ankush (2019) "Fabrication and mechanical characterization of Indian ramie reinforced polymer composites" *Materials Research Express* 6(5), 015309 DOI: <https://doi.org/10.1088/2053-1591/aaff12> (SCIE) Impact Factor ---(1.1)

28. Kumar, Rajiv; Haq, Mir Irfan Ul; Raina, Ankush & Anand Ankush (2018) "Industrial applications of natural fibre-reinforced polymer composites–challenges and opportunities." *International Journal of Sustainable Engineering* (2018):1-9. OI: <https://doi.org/10.1080/19397038.2018.1538267> (Scopus)
29. Sharma, V.; Kumar, Rajiv.; Vohra, K., & Chopra, K. (2018). Fabrication and Mechanical Characterization of Walnut/Polyester Composites. *International Journal of Vehicle Structures & Systems (IJVSS)*, 10(5) (Scopus).
30. Kerni Love; Raina, Ankush, Irfan Ul Haq, Mir. "Friction and wear performance of olive oil containing nanoparticles in boundary and mixed lubrication regimes " *Wear* <https://doi.org/10.1016/j.wear.2019.01.022> [SCI].
31. Irfan Ul Haq, Mir & Anand Ankush. (2018). "Friction and Wear Behaviour of AA 7075-Si 3 N 4 Composites Under Dry Conditions: Effect of Sliding Speed." *Silicon*: 1-7. <https://doi.org/10.1007/s12633-018-9967-0> [SCI].
32. Kumar, Rajiv; Irfan Ul Haq, Mir; Raina, Ankush & Anand, Ankush. (2018). Industrial applications of natural fibre-reinforced polymer composites – challenges and opportunities, *International Journal of Sustainable Engineering* <https://doi.org/10.1080/19397038.2018.1538267> [SCOPUS].
33. Sinha, A. K., & Anand, A. (2018). Development of sustainable supplier selection index for new product development using multi criteria decision making. *Journal of cleaner Production*, 197, 1587-1596. SCIE (Impact Factor: 6.39).
34. Sinha, A. K., & Anand, A. (2018). Lot sizing problem for fast moving perishable product: modeling and solution approach. *International Journal of Industrial Engineering*, 25(6), 757-778. SCIE (Impact Factor: 0.53).
35. Sinha, A. K., & Anand, A. (2019). A holistic framework for lot sizing problem in fast-moving perishable products. *ScientiaIranica* (Accepted, Available Online). SCIE.
36. Sharma, A. & Sinha, A. K. (2018). Rotary electric discharge machining of AISI D2 tool steel: present and future scope. *Materials Today: Proceedings*, 5(9), 18562-18567. SCOPUS.
37. Sharma, A., & Sinha, A. K. (2018). Ultrasonic testing for mechanical engineering domain: present and future perspective. *International Journal of Research in Industrial Engineering*, 7(2), 243-253.
38. IrfanUlHaq, Mir & Anand, Ankush. (2018). Friction and Wear Behaviour of AA 7075-Si 3 N 4 Composites Under Dry Conditions: Effect of Sliding Speed. *Silicon*, 1-7. <https://doi.org/10.1007/s12633-018-9967-0> SCIE.
39. Sharma, S.; Jamwal, G., & Awasthi, R. K. (2019). Enhancement of steady state performance of hydrodynamic journal bearing using chevron-shaped surface

texture. Proceedings of the Institution of Mechanical Engineers, Part J: Journal of Engineering Tribology, 1350650119847369.

40. Sharma, S.; Jamwal, G., & Awasthi, R. K. (2019). Numerical study on steady state performance enhancement of partial textured hydrodynamic journal bearing. *Industrial Lubrication and Tribology*.
41. Sharma, S.; Dutta, V., & Eswaramoorthy, M. (2019). An Experimental Investigation on multi-V and protrusion element on absorber plate of solar air heater. *Energy Sources, Part A: Recovery, Utilization, and Environmental Effects*, 1-9.
42. Sharma, S., Jamwal, G. and Awasthi, R.K. (2019). The dynamic performance analysis of chevron-shape textured hydrodynamic bearings *Industrial Lubrication and Tribology*.
43. Sharma, S., & Awasthi, R. K. (2018). Performance of hydrodynamic journal bearing operating under transient wear. *Mechanics and Mechanical Engineering*, 22(1), 153-170.
44. Chopra, K., Tyagi, V.V. and Pandey, A.K. (2019), Thermodynamic and techno-economic analysis of heat pipe ETC water heating system for Indian composite climate. *Journal of Thermal Analysis and Calorimetry*, pp.1-13 (SCI).
45. Chopra, K., Tyagi, V.V., Pandey, A.K. and Sari, A. (2018). Global advancement on experimental and thermal analysis of evacuated tube collector with and without heat pipe systems and possible applications. *Applied energy*, 228, pp.351-389 (SCI).
46. Sharma, V.; Kumar, R.; Vohra, K. and Chopra, K. (2018). Fabrication and Mechanical Characterization of Walnut/Polyester Composites. *International Journal of Vehicle Structures & Systems (IJVSS)*, 10(5) (SCOPUS).
47. Kerni, L.; Raina, A., & Haq, M. I. U. (2019). Friction and wear performance of olive oil containing nanoparticles in boundary and mixed lubrication regimes. *Wear*, 426, 819-827. <https://doi.org/10.1016/j.wear.2019.01.022>
48. Raina, A. & Anand, A. (2018). Influence of surface roughness and nanoparticles concentration on the friction and wear characteristics of PAO base oil. *Materials Research Express*, 5(9), 1-13. <https://doi.org/10.1088/2053-1591/aad764>
49. Kumar, R.; Ul Haq, M. I.; Raina, A. & Anand, A. (2018). Industrial applications of natural fibre-reinforced polymer composites—challenges and opportunities. *International Journal of Sustainable Engineering*, 1-9.
50. Sharma, S., Dutta, V. and Eswaramoorthy, M., (2019). An Experimental Investigation on Multi-V & Protrusion Element on Absorber Plate of Solar Air

Heater”, Energy Sources, Part A: Recovery, Utilization, and Environmental Effects. (SCI).

9.3 Conferences/Workshops/Seminars/Short term Courses Attended

Conferences

1. Vivudh Gupta, Balbir Singh & R.K. Mishra presented a paper, titled, “ Study of tool materials in electric discharge machining process: A review” TEQIP-III sponsored international conference on mechanical engineering and allied sciences, organized by School of Mechanical Engineering, Shri Mata Vaishno Devi University, Katra, 14th-15th September, 2018.
2. Pawandeep Singh, R.K.Mishra & Balbir Singh, presented a paper, “ Structural health monitoring of different welded joints using various NDT techniques: A review” TEQIP-III sponsored International conference on mechanical engineering and allied sciences, organized by School of Mechanical Engineering, Shri Mata Vaishno Devi University, Katra, 14th-15th September, 2018.
3. Pranav Kumar & R.K. Mishra, presented a paper, titled “Study on aluminum alloy 6xxx series. & effect of reinforcement ZrO₂ on aluminum: A review” TEQIP-III sponsored International conference on mechanical engineering and allied sciences, organized by School of Mechanical Engineering, Shri Mata Vaishno Devi University, Katra, 14th-15th September, 2018.
4. Pawandeep Singh, Vivudh Gupta, R.K.Mishra and Balbir Singh, presented a paper, titled “Effect of micro filler reinforcement on mechanical and wear characteristics of metal matrix composite: A Review”, International Conference on advances in Mechanical Engineering and nanotechnology, organized by Department of Mechanical Engineering, Manipal University Jaipur, India on 8th-09th March, 2019.
5. Vivudh Gupta, Pawandeep Singh, Balbir Singh and R. K. Mishra, presented a paper, titled “Wear behavior of AA7075 based Composites: A state of the art survey”, international conference on advances in mechanical engineering and nanotechnology, organized by Department of Mechanical Engineering, Manipal University Jaipur, India on 08th-09th March, 2019.
6. R. K. Mishra presented a paper, titled “Study the Effect of Pre-corrosion on Mechanical Properties and Fatigue Life of Aluminium Alloy 8011”, 2nd international conference on Computational & Experimental Methods in Mechanical Engineering (ICCEMME-2019) was held at Department of Mechanical Engineering, GLBITM Greater Noida on 3rd-5th May, 2019.
7. R.K. Mishra & Kiran Ahirwar presented a paper, titled “SCM Functioning of Retailing and The Behaviour of Consumer towards the Private Label” Proceedings of the 2nd National Conference on Innovative Trends in Mechanical Engineering NCITME-2018 Sponsored by TEQIP-III and Organized by School of Mechanical Engineering, Shri Mata Vaishno Devi University, Katra, 23rd-24th March, 2018.

8. R. K. Mishra presented a paper titled "Prediction of the performance of a diesel engine using jatropha based biodiesel blended with diesel at different ratios" National conference on renewable energy and sustainable environment: challenges and remedies, School of Energy Management, Shri Mata Vaishno Devi University, Katra, 24th-25th April 2018.
9. Dr. Balbir Singh attended FICCI Higher Education Summit at Vigyan Bhawan, New Delhi during the period from 30th October-1st November 2018.
10. Dr. Balbir Singh attended one day national training Programme on 'ICT enable Hybrid Learning(MOOCs)' under PMMMNMTT scheme of MHRD at FDC, SMVDU, Kakryal, J&K on 19th January 2019.
11. Dr. Balbir Singh attended national conference on 'Equity: Achievements and Challenges in India' at NPIU, MHRD, GOI, New Delhi and SPIU, Maharashtra state at College of Engineering, Pune during the period from 15th -16th March, 2019.
12. Dr. Balbir Singh attended one day workshop on 'Virtual Laboratory' at IIT Jammu on 29th May 2019.
13. Dr. Balbir Singh attended 02 Week Industry Academia Orientation program at Bosch India, Bidadi Plant Bangalore during 3rd-14th June 2019.
14. Dr. Ankush Anand attended international invited talk on "4th Austria-India-Symposium on Materials Engineering and Tribology (EcoTrib 2019)" on 12th-14th June 2019, organized by Austrian Economic Chamber and Swiss.
15. Dr. Ankush Anand chaired a session in 6th national conference and exhibition on "Emerging and Innovative trends in Engineering Technology (NCEEITET)" from 15th-16th March 2019 organized by IIT, Kharagpur and GCET, Jammu.
16. Dr. Ankush Anand attended a national conference on "Best Manufacturing Practices in Industries" from 17th-21st December 2018 organized by SME, SMVDU and JNTUH.
17. Dr. Ankush Anand attended a national conference on "Professional Ethics and Human Values" from 11th-15th March 2019 organized by FDC, SMVDU.
18. Ankush Anand chaired a session in 5th international conference on "Recent Trends and Advancements in Engineering and Technology (ICRTAET-2018)" on 25th-26th October, 2018 organized by SMVDU.
19. Yatheshth Anand presented a paper, titled "Transient 3-D Modelling of Ceiling Fan for Achieving Thermal Comfort" Building Performance Analysis Conference and SimBuild, Co-organized by ASHRAE and IBPSA- USA, 26th-28th September 2018.
20. Yatheshth Anand attended an international conference on Mechanical Engineering and Allied Sciences, 14th-15th September 2019 organised by School of Mechanical Engineering, SoME, SMVDU.

21. Yatheshth Anand was a member in organizing committee in international conference on Mechanical Engineering and Allied Sciences, 14th-15th September 2019, Organised by School of Mechanical Engineering, SoME, SMVDU.
22. Yatheshth Anand was Coordinator in 3rd Industrial Academia Conclave, 8th January 2019, SMVDU.
23. Yatheshth Anand took a consultancy of Rs. 91,98,727/- for vetting of structural design for the work construction of drain and improvement of drainage system at Shastri Nagar under JKIDFC, of Sewerage and Drainage Circle Jammu.
24. Sanjay Mohan Sharma, Rajiv Kumar, Ankush Anand, Mir Irfan UI Haq & Ankush Raina, presented a paper titled "Calcium Fluoride a potential lubricant for Green Tribology and Sustainability", national conference on Advances in Mechanical Engineering, National Institute of Technology, New Delhi, March 2019.
25. Rahul Sethi, Sanjay Mohan, S. Jayalakshmi, R. Arvind Singh, presented a paper , titled "Synthesis and Characterization of Fe-Mo-BaF₂ Self-Lubricating Composites Prepared by Powder Metallurgy", 27th international conference on Processing and Fabrication of Advanced Materials, Sweden, 161-167, 2019.
26. S Mohan, S. Konovalov, A. Anand, R. A Singh, S. Jayalakshmi, X Chen, presented a paper "Friction and wear study of Fe-Cu-C-CaF₂ at high speed and at high temperature" in an international conference on Advances in Mechanical Engineering, Kota Kinabalu, organized by University Technology Mara, Malaysia, 2018.
27. Mir Irfan UI Haq attended 2nd international Indo-Tunisian Symposium on "Tribology for Sustainability" during 17th - 21st June 2019 organized by NIT Srinagar, DST and University De Sfax, Tunisia.
28. Mir Irfan UI Haq presented a paper in 2019 at STLE Annual Meeting, Nashville, TN, USA from 19th-24th May 2019 organized by STLE and ASME.
29. Mir Irfan UI Haq presented a paper in national conference on Advances in Mechanical Engineering (NCAME-2019) on 16th March 2019 organized by NIT Delhi.
30. Mir Irfan UI Haq attended a national conference on Best Manufacturing Practices in Industries during 17th-21st December, 2018 organized by SME, SMVDU and JNTUH.
31. Mir Irfan UI Haq attended a national conference on "Professional Ethics and Human Values from 11th-15th March 2019 organized by FDC, SMVDU.
32. Mir Irfan UI Haq attended a national conference on "Advances in Clean Energy Conversion Technologies and Materials for Energy Storage Applications" from 24th-25th January 2019 organized by SMVDU, SERB DST and JNTUH.
33. Mir Irfan UI Haq attended a national conference on "Communication Skills Required for Teaching" on 15th December 2018 organized by FDC, SMVDU.

34. Mir Irfan Ul Haq chaired a session in 5th International Conference on Recent Trends and Advancements in Engineering and Technology (ICRTAET-2018) from 25th-26th October 2018 organized by SMVDU.
35. Amit Kumar Sinha & Ankush Anand presented a paper, titled, "Sustainable supplier selection for new product development: A multi-objective framework, 6th International Conference of Advance Research and Innovation (ICARI-2019) Institution of Engineers (India) on 25th Feb 2019.
36. Vikrant Charak & Amit Kumar Sinha presented a paper, titled Divergent linkage reconfigurable mould for RP 9th International Conference on Materials Processing and Characterization (ICMPC-2019), Hyderabad, 17th-19th March 2019.
37. Vikrant Charak & Amit Kumar Sinha presented a paper, titled, "Overview of disc and drum break parts and operational problem" 19th ISME Conference, NIT Jalandhar, 20th-22nd Deceber 2018.
38. K. Chopra, V. V Tyagi, Prajjwal Gupta, Jeyraj Selvaraj, Nasrudin Abd Rahim attended 5th IET international conference on Clean Energy and Technology (CEAT2018) Recent advancement in heat pipe for stationary solar collectors from 5th-6th September 2018.
39. K. Chopra filed a patyent, titled "A Novel Designed Flat Plate Solar Collector for water heating IPMSC" (SMVDU Reference no: SMVDU/IPMSC/33).
40. Ankush Raina presented a paper, titled "Friction and wear performance of olive oil containing nanoparticles in boundary and mixed lubrication regimes" in 22nd International Conference on Wear of Materials, Miami, Florida, USA from 14th-18th April 2019.
41. Ankush Raina attended an international symposium on "Tribology for Sustainability" organised by NIT Srinagar and National School of Engineering, Sfax, Tunisia from 17th-21st June 2019.
42. Ankush Raina attended a workshop on "Professional Ethics and Human Values" conducted by Faculty Development Centre, Shri Mata Vaishno Devi University, Katra from 11th-15th March 2019.
43. Ankush Raina attended a workshop on "Advances in Clean energy conversion technologies and materials for energy storage applications" conducted by the School of Mechanical engineering, Shri Mata Vaishno Devi University, Katra from 24th-25th January 2019.
44. Ankush Raina attended an FDP on "Best Manufacturing Practices" in Industries organized by the school of Mechanical engineering, Shri Mata Vaishno Devi University, Katra from 17th-21st December 2018.
45. Ankush Raina was member of the organizing committee of Faculty Development Program on "Best Manufacturing Practices in Industries", held from 17th-21st December 2018 in School of Mechanical Engineering, Shri Mata Vaishno Devi University.

46. Ankush Raina was member of the INDO-U.S. Science and Technology Forum (IUSSTF) on "Next Generation Logistics Supply Chain & CEO Workshop held from 5th-10th August 2019 at Shri Mata Vaishno Devi University.
47. R. K. Mishra delivered an invited lecture on "Manufacturing of Polymer composite" in Faculty Development Program on "Sustainable Design and Manufacturing" held from 12th-16th February 2018 in the School of Mechanical Engineering, Shri Mata Vaishno Devi University.
48. R. K. Mishra delivered an invited lecture on "Two week winter School for Engineering Stream as a Resource Person organized by Faculty Development Centre-HRDC SMVD University in March 2019.
49. R. K. Mishra delivered an invited lecture in two week short term course (17th-29th December 2018) on "Tools and Techniques for Modelling & Simulation (TTMS-2018)" on 24th December, 2018 in the Department of Instrumentation & Control Engineering at Netaji Subhas University of Technology, New Delhi.
50. R. K. Mishra delivered an invited lecture on "Predict the performance of Diesel Engine using Jatropha as a Biofuel" topic in Faculty Development Program on Energy & Power Systems held from 5th-9th August 2019 in School of Energy Management, Shri Mata Vaishno Devi University.
51. Ankush Anand delivered a lecture on 4th Austria-India-Symposium on Materials Engineering and Tribology (EcoTrib 2019), Austrian Economic Chamber and Swiss Tribology, EU, 12th-14th June 2019.
52. Ankush Anand chaired a session in 6th National Conference and Exhibition on Emerging and Innovative trends in Engineering Technology (NCEEITET) at IIT, Kharagpur and GCET, Jammu from 15th-16th March 2019.
53. Ankush Anand chaired a session in 5th International Conference on Recent Trends and Advancements in Engineering and Technology (ICRTAET-2018) at SMVDU from 25th-26th October 2018.
54. Ankush Anand nominated as International Advisory Board Member in 2nd International Indo-Tunisian Symposium on "Tribology for Sustainability" at NIT Srinagar, DST and University De Sfax, Tunisia 17th - 21st June, 2019.
55. Eswaramoorthy Muthusamy delivered a lecture at School of Renewable Energy at NIT, Kurukshetra on Solar Thermoelectric Energy Conversion on 9th July 2019.
56. Balbir Singh conducted one week TEQIP-III sponsored FDP 'Best Manufacturing Practices in Industries' 17th - 21st December 2019 in School of Mechanical Engineer, SMVDU.
57. Balbir Singh coordinated TEQIP-III sponsored 3rd Industrial Academia Conclave (IAC-2019) from 8th -9th January 2019 during NAAC visit to SMVDU.

58. Balbir Singh coordinated one week workshop on 'Professional Ethics and Human Values from 11th - 15th March 2019 under Faculty Development Centre, SMVDU.
59. Balbir Singh co-coordinated two week Winter School for Faculty from Engineering Stream, February, 2019 under Faculty Development Centre, SMVDU.
60. Balbir Singh co-coordinated one month Faculty Induction Program, 2nd January-1st February 2019 approved under PMMMNMTT under FDC at SMVDU.
61. Balbir Singh coordinated TEQIP-III sponsored 3rd Industrial Academia Conclave (IAC-2019) from 8th-9th January 2019 in SMVDU.
62. Balbir Singh coordinated one week TEQIP-III sponsored 'Art of Living' workshop, 22nd-27th April 2019 for students of SMVDU.
63. Balbir Singh delivered a lecture on "Challenges for teachers in Higher Education" on 9th January 2019 in one month residential Faculty Induction Program, 2nd January-1st February 2019, organized by Faculty Development Centre at SMVDU, Kakryal, J&K.
64. Balbir Singh delivered a lecture on "Managerial Skills for Teachers" on 17th January 2019 in one month residential Faculty Induction Program, 2nd January-1st February 2019 organized by Faculty Development Centre at SMVDU, Kakryal, J&K.
65. Balbir Singh delivered a lecture on "Safety and Accident in Life & Work" on 18th January 2019 in one month residential Faculty Induction Program, 2nd January-1st February 2019 organized by Faculty Development Centre at SMVDU, Kakryal, J&K.
66. Balbir Singh delivered a lecture on "Disaster Impact and Mitigation" on 21st January 2019 in five days' workshop Disaster Management and Risk Reduction Initiatives through Forestry and Others, 21st-25th January 2019 for forest officers at SMVDU.
67. Balbir Singh delivered a lecture on "Safety Engineering Practices in Industries" on 19 December 2018 in TEQIP-III sponsored one week Faculty Development Program on Best Manufacturing Practices 17th-21st December 2019, organized by School of Mechanical Engineering, SMVDU, Kakryal, Jammu, J&K.
68. Balbir Singh delivered a lecture on "Safety and Accident in Life & Work" on 27th February 2019 in two week Winter School for Faculty from Engineering Streams', 16th February-1st March 2019 organized by Faculty Development Centre at SMVDU, Kakryal, J&K.
69. Balbir Singh delivered a lecture on "Bright Avenues for Mechanical Engineers" for students of Mechanical Engineering on 19th April 2019 at Lingayas Vidyapeeth, Faridabad, Haryana.
70. Balbir Singh delivered a lecture on "Bright Avenues for Graduate Engineers" on 04th May, 2019 in Rajiv Gandhi Government Engineering College, Kangra, HP.

71. Balbir Singh delivered a lecture on "Research trends in macro & micro electrical discharge machining" in TEQIP-III sponsored Short Term Course Recent Advances in Micro Manufacturing (RAMM-2019) on 26th July 2019 organized by Department of Mechanical Engineering, BIET Jhansi.
72. Fellow Membership awarded to Dr. Balbir Singh, Associate Professor, School of Mechanical Engineering, by Institution of Engineers, India in 2018.
73. Chartered Engineer (I) certificate awarded to Dr. Balbir Singh, Associate Professor, School of Mechanical Engineering, by Institution of Engineers (India) in 2019.
74. Sanjay Mohan Sharma coordinated 3rd industry academia conclave on "Bridging gap between Industry & Academia", 8th-9th January 2019, Shri Mata Vaishno Devi University, Katra.
75. Sanjay Mohan Sharma coordinated a Faculty Development Programme on "Best Manufacturing Practices in Industries", 17th-21st December 2018, Shri Mata Vaishno Devi University, Katra.
76. Sanjay Mohan Sharma convened an international conference on Mechanical Engineering and Allied Sciences, 14th-15th September 2018 at Shri Mata Vaishno Devi University, Katra.
77. Sanjay Mohan Sharma attended a short term course on Introduction to Matlab, PSCAD and Latex, 24th-28th June 2019, NIT Srinagar.
78. Sanjay Mohan Sharma attended a Professional Development Training under TEQIP III from IIM Indore, 4th-6th July 2018.
79. Sanjay Mohan Sharma attended a Foundation Programme in ICT for Education from IIT Bombay, 8th March-12th April 2018 TEQIP-III Summer Training Programme on Active Learning Workshop from IIT Bombay, 11th-15th June 2018.
80. Rajiv Kumar attended 9th an international conference on "Material Processing and Characterization (ICMPC)" on March, 2019 at GRIET, Hyderabad.
81. Rajiv Kumar attended an international conference on "Mechanical Engg. and Allied Sciences (ICMEAS)" in September 2018 at SMVDU.
82. Rajiv Kumar attended 5th international conference on "Recent Trends & Advancement in Engg. And Technology (ICRTAET)" on October 2018 at SMVDU.
83. Rajiv Kumar attended a national conference & workshop on "Advances in Biopolymers on October 2018 at University of Kashmir.
84. Mir Irfan Ul Haq attended an international conference on "Mechanical Engineering and Allied Sciences" on 14th -15th September 2018 organized by School of Mechanical Engineering.
85. Mir Irfan Ul Haq attended a national industry academia Conclave-2019 on 8th -9th January 2019 organized by SMVDU.

86. Mir Irfan Ul Haq participated in TEDx lecture themed "Let's Rejuvenate: Together We Innovate" on 23rd October 2018 organized by SMVDU.
87. Mir Irfan Ul Haq participated in national conference on "Best Manufacturing Practices in Industries" on 17th-21st December 2018 organized by SME, SMVDU and JNTUH.
88. Amit Kumar Sinha & Ankush Anand presented a paper, titled "Sustainable supplier selection for new product development: A multi-objective framework", 6th international conference of Advance Research and Innovation (ICARI-2019); Institution of Engineers (India) 25th February 2019.
89. Vikrant Charak & Amit Kumar Sinha presented a paper, titled "Divergent linkage reconfigurable mould for RP" 9th international conference on Materials Processing and Characterization (ICMPC-2019), Hyderabad, 17th-19th March 2019.
90. Vikrant Charak & Amit Kumar Sinha presented a paper titled "Overview of disc and drum break parts and operational problem" 19th ISME conference, NIT Jalandhar, 20th-22nd December 2018.
91. Ankush Raina was member, Organizing Committee, Faculty Development Program on "Best Manufacturing Practices in Industries" held at School of Mechanical Engineering, Shri Mata Vaishno Devi University, Katra, India, 17th -21st December, 2018.
92. Ankush Raina was co-convener of the International Conference on Mechanical Engineering and Allied Sciences (ICMEAS 2018), organized from 14th-15th September 2018, by the School of Mechanical Engineering, SMVD University, Katra, India.
93. R. K. Mishra attended a Faculty Development Program on "Best Manufacturing Practices in Industries" held from 17th-21st December 2018 in School of Mechanical Engineering, Shri Mata Vaishno Devi University.
94. R. K. Mishra attended a national workshop on "Advances in Clean Energy Conversion Technologies and Materials for Energy Storage Application" organized by School of Mechanical Engineering, Shri Mata Vaishno Devi University Katra and Jawaharlal Nehru Technological University Hyderabad, sponsored by Department of Science and Technologies, Science and Engineering Research Board (SERB) and TEQIP-III from 24th-25th January 2019.
95. R. K. Mishra attended one week workshop on "Professional Ethics & Human Value- A Gandhian Perspective" organized by Faculty Development Centre in Shri Mata Vaishno Devi University, Katra from 11th-15th March 2019.
96. R. K. Mishra attended AICTE recognized short term course on "Nanotechnology: Development and Challenges" Conducted by Applied Science Department from 27th-31st May 2019 at NITTTR, Chandigarh.

97. R. K. Mishra attended one week workshop on "Professional Ethics & Human Values- A Gandhi Perspective" was held 11th-15th March 2019 at SMVDU.
98. R. K. Mishra chaired in 5th international conference on "Recent Trends and Advancements in Engineering and Technology (ICRTAET-2018)" in Shri Mata Vaishno Devi University, Katra, 25th-26th October 2018.
99. R. K. Mishra chaired in TEQIP-III sponsored international conference on "Mechanical Engineering and Allied Sciences (ICMEAS-2018)" at Shri Mata Vaishno Devi University, Katra, 14th-15th September 2018.
100. R. K. Mishra chaired in 2nd international conference on "Computational & Experimental Methods in Mechanical Engineering (ICCEMME-2019)" held at Department of Mechanical Engineering, GLBITM Greater Noida from 3rd-5th May 2019.
101. R. K. Mishra chaired in TEQIP-III sponsored Faculty Development Program on "Best Manufacturing Practices in Industries" held from 17th-21st December 2018 in School of Mechanical Engineering, Shri Mata Vaishno Devi University.
102. R. K. Mishra chaired in national workshop on "Advances in Clean Energy Conversion Technologies and Materials for Energy Storage Application" organized by School of Mechanical Engineering, Shri Mata Vaishno Devi University Katra and Jawaharlal Nehru Technological University Hyderabad, sponsored by Department of Science and Technologies , Science and Engineering Research Board (SERB) and TEQIP-III from 24th-25th January 2019.
103. R. K. Mishra convened 2nd national conference on "Innovative Trends in Mechanical Engineering NCITME-2018" sponsored by TEQIP-III and organized by School of Mechanical Engineering, Shri Mata Vaishno Devi University, Katra, 23rd-24th March, 2018.
104. R. K. Mishra was organizing secretary in national workshop titled "Advances in clean energy conversion technologies & materials for energy storage applications" from 24th-25th January 2019 at SoME.
105. Ankush Anand convened 2nd International Indo-Tunisian Symposium on "Tribology for Sustainability" organized by NIT Srinagar, DST and University De Sfax, Tunisia from 17th-21st June, 2019.
106. Ankush Anand convened international conference on "Mechanical Engineering and Allied Sciences" organized by School of Mechanical Engineering during 14th-15th September 2018.
107. Ankush Anand convened industry academia conclave-2019 organized by SMVDU from 8th-9th January, 2019.
108. Ankush Anand convened best manufacturing practices in industries organized by SME, SMVDU and JNTUH from 17th-21st December 2018.

109. Sanjay Sharma attended an international conference on Mechanical Engineering and Allied Sciences (ICMEAS-2018), 14th-15th September, 2018, Shri Mata Vaishno Devi University Katra.
110. Sanjay Sharma attended an international conference on Tribology, TRIBOINDIA-2018, 13th -15th December 2018, VJTI, Mumbai, India on "Numerical Study on Worn hydrodynamic Journal Bearing under Transient Loading" on 01 and 13th-15th December 2018.

Mr. Rajiv Kumar:

Conferences/ Seminars /Workshops/FDPs/MDPs Organized

1. Rajiv Kumar organized best manufacturing "Practices in Industries (FDP)", at SME, SMVDU from 17th -21st December 2018.

9.5 Ph.D. Guided

Dr. R. K. Mishra:(05 Guided)

Dr. Ankush Anand: (01 Guided, 04 Guiding)

9.6 Students' Achievement

1. Mir Irfan Ul Haq faculty of School of Mechanical Engg. presented a paper on national conference on Advances in Mechanical Engineering (16th March 2019) whose title is "Friction and Wear Behaviour of AA2024/ZrO₂ Composites: Effect of Graphite".
2. Vivudh Gupta (Ph.D. Scholar) presented a paper on international conference on Advances in Mechanical Engineering and Nanotechnology (ICAMEN-2019, 8-9 March 20-19) at Manipal University, Jaipur titled is "Wear behaviour of AA7075 Based Composites: A State of the Art Survey".
3. Pawandeep Singh (Ph.D. Scholar) presented a paper in international conference on Advances in Mechanical Engineering and Nanotechnology (ICAMEN-2019, 8-9 March 20-19) at Manipal University, Jaipur titled "Effect of Micro Filler Reinforcement on Mechanical and Wear Characteristics of Metal Matrix Composites: A Review".

Students of School of Mechanical Engineering, SMVDU, won various Inter Hostel & Inter House Sports events for games like Cricket; Badminton; Football; Volleyball and Basketball.

Faculty of Humanities & Social Sciences

1. Name of the Department: School of Philosophy & Culture

2. Faculty Profile:

S.No.	Name of the Faculty Member	Designation	Qualification	Specialization
1.	Dr. Anil Kumar Tewari	Assistant Professor & Head	Ph.D.	Buddhist Philosophy
2.	Mr. Sumanta Sarathi Sharma	Assistant Professor	M.A. UGC-JRF	Logic and Greek Philosophy
3.	Dr. Ashok Kumar Tarai	Assistant Professor	Ph.D.	Philosophy of Wittgenstein and Analytical Philosophy
4.	Dr. Madhu Mangal Chaturvedi	Assistant Professor	Ph.D.	Philosophy of Mind

3. Details of Research Scholars:

Year 2018-19	Ph.D.		
	Male	Female	Total
Admitted 2018-19	1+1 (PDF)		2
Awarded 2018-19	-	1	1
Total Presently under Supervision	5	2	7

PDF= Post Doctoral Fellowship

4. Extension Lectures Delivered by Outside Experts in the School:

1. Prof. Bijoy H. Boruah, Adjunct Professor, School of Philosophy & Culture and Professor of Philosophy, Dept. of HSS, IIT Ropar delivered a lecture on "Human Creature, Human Person and the possibility of Values" on 25th March 2019.
2. Prof. Bijoy H. Boruah, Adjunct Professor, School of Philosophy & Culture and Professor of Philosophy, Dept. of HSS, IIT Ropar delivered a lecture on "Transhumanism and Posthumanism in Contemporary Currents of Thoughts" on 26th March 2019.
3. Prof. Bijoy H. Boruah, Adjunct Professor, School of Philosophy & Culture and Professor of Philosophy, Dept. of HSS, IIT Ropar delivered a lecture on "Aesthetics and Architecture" on 27th March 2019.
4. Prof. Bijoy H. Boruah, Adjunct Professor, School of Philosophy & Culture and Professor of Philosophy, Dept. of HSS, IIT Ropar delivered a lecture on "Constitutional Morality" on 28th March 2019.
5. Prof. Bijoy H. Boruah, Adjunct Professor, School of Philosophy & Culture and Professor of Philosophy, Dept. of HSS, IIT Ropar delivered a lecture on "Have Science and Technology Converged into Technoscience in such a way that the two are now indistinguishable" on 29th March 2019.
6. Prof. Bijoy H. Boruah, Adjunct Professor, School of Philosophy & Culture and Professor of Philosophy, Dept. of HSS, IIT Ropar delivered a lecture on "Transhumanism and Posthumanism in Contemporary Currents of Thoughts" on 29th March 2019.
7. Prof. Bijoy H. Boruah, Adjunct Professor, School of Philosophy & Culture and Professor of Philosophy, Dept. of HSS, IIT Ropar delivered a lecture on "Understanding Disciplinary Discourse and the production of knowledge in a Comparative Perspective" on 1st April 2019.
8. Prof. Bijoy H. Boruah, Adjunct Professor, School of Philosophy & Culture and Professor of Philosophy, Dept. of HSS, IIT Ropar delivered a lecture on "Cyber-technology and Virtual Reality: Metaphysical and Ethical Reflections" on 2nd April 2019.
9. Dr. Sachchidanand Joshi, President of Bhartiya Shikshan Mandal and Member Secretary, Indira Gandhi National Centre of Arts (IGNCA), New Delhi, delivered a lecture on "Value and Professionalism" during the induction program in July, 2018.
10. Dr. Bhaskarjit Neog, Asst. Prof., Centre for Philosophy, School of Social Sciences of Jawaharlal Nehru University, New Delhi, delivered a lecture on "Moral Responsibility: Individual vs. Collective" during the induction program in August, 2018.

11. Prof. Kisor Kumar Chakrabarti, (Retd.), Distinguished Professor & Chair of Philosophy and Religion, Dept. of Religion & Philosophy, Davis and Elkins College, USA and Adjunct Professor, SoPC, delivered a lecture on "Challenge to Reason and the Doctrine of Momentariness" on 15th November 2018.

5. Degree Awardees:

Ph.D. : 1

Names of Ph.D. Degree Awardees: Ms. Simran Raina (12PHDSOPC01)

6. Information About Each Faculty

6.1 Research Projects Initiated & Completed by the Faculty:

Title of the Project	Funding agency	Amount sanctioned	Status/Duration
"A Critical study of Udayanacharya's Reconstruction of the Buddhist Doctrines in Nyaykusumanjali and Atmatattvaviveka"	UGC	Rs. 80,000/-	First Spell from 1 st -30 th June 2019.

6.2 Research Publications (with full details in API Manual)

1. Tewari, A.K. (2018) *The Self: Metaphysical Reality vs Communicative Device*, Journal of Dharma Vol: 43.3 Page no. 343-362.
2. Tewari, A.K. (2018). A Mirror is for Reflection: Understanding Buddhist Ethics, Journal of Human Values SSN 09730737 <https://doi.org/10.1177/0971685818805831>
3. Chaturvedi, M.M. & Sarma, A.V. Ravishankar. (2019). *Higher- Order thought and the Problem of Shifting Subjectivity*, *Obnovljeni život: Journal of Philosophy and Religious Studies*, 74(2), 161-179.
4. Tarai, A.K. (2019). "Religion and Self: A Metaphysical Coherence in Wittgenstein's Philosophy", *Recent Responses to the Philosophy of Wittgenstein: Life and Language*, Ed. K.C. Pnandey, Brown Academics, Mississauga, Ontario, Canada, PP. 203-204.

Newspaper Articles

1. Dr. Madhu Mangal Chaturvedi, (2018) 'Kashmir: Trauma of an Indian Childhood', Daily Excelsior 5th October, p. 6.
2. Dr. Madhu Mangal Chaturvedi, (2019) 'Nationalism is not Anti-Rationalism', Daily Excelsior 21st March, p. 8.

6.3 Conferences/Workshops/Seminars/Short term Courses Attended

1. Mr. Sumanta Sarthi Sharma attended second international workshop on "The Philosophy of Notation" and presented a paper titled, "Applying Ockham's Razor to (In) valid Syllogisms using Venn-Peirce Framework" from 22nd -24th May 2019
2. Mr. Sumanta Sarathi participated in and presented a paper on "Applying Ockham's Razor to (In)valid Sylloisms using Venn-Peirce Framework" in the two-day international workshop held on 18th - 19th February 2019 on "Visual Reasoning" at Jadavpur University, organised by Jadavpur University, IEST Shibpur and University of Brighton, UK.
3. Dr. Ashoka Kumar Tarai, presented a paper entitled as "The (In)visibility of Value: A Wittgensteinian Perspective" an international conference, organized by HSS Department, IIT Bobmay, from 24th -26th November, 2018 on the theme "Wittgenstein on Culture and Value".
4. Mr. Sumanta S. Sharma, presented a research paper in the World Congress on "Square of Opposition", held in Orthodox Academy of Crete, Greece from 1st -5th November 2018.
5. Dr. Ashoka Kumar Tarai, attended a three day Faculty Development Programme (FDP) on "Effective Teaching and Learning in Higher Education", from 4th -6th July, 2018, organized by the School of Architecture and Landscape Design in collaboration with School of Philosophy & Culture at SMVD University, Katra, J&K.

6.4 Conferences/ Seminars /Workshops/FDPs/MDPs Organized

1. A ten-day FDP-cum-textual workshop on Advaita Vedanta organized by the School of Philosophy and Culture (SOPC), SMVDU, in collaboration with the Indira Gandhi National Center for the Arts (IGNCA), New Delhi from 20th-30th May 2019.
2. One-day regional seminar on 'Indian Value System: Contemporary Relevance' was organized by the School of Philosophy & Culture at Shri Mata Vaishno Devi University (SMVDU), Katra, to celebrate Indian Philosopher's Day 2019 on 9th May 2019.
3. The School of Philosophy & Culture organized a one-day National Seminar on "Yoga and Naturopathy for Well-being" on 30th March 2019 in collaboration with Archana Yogayatan Trust, New Delhi.
4. The School of Philosophy & Culture organized Sanskrit Learning Workshop from 1st-14th December 2018 on World Sanskrit Day.

6.5. Lectures Delivered by Faculty of SoPC

1. Dr. Anil Kumar Tewari delivered a lecture on "Teaching as a Profession?" the following topics on 17th July 2018 in "Inter Disciplinary Summer School in Social Sciences" conducted by the Department of History, University of Jammu.

2. Dr. Anil Kumar Tewari delivered a lecture on "Understanding Argument" on 18th July 2018 in "Inter Disciplinary Summer School in Social Sciences" conducted by the Department of History, University of Jammu.
3. Dr. Anil Kumar Tewari and Mr. Samanta Sharma delivered Ethics Lectures in a three-day 'Course on Ethics' was organised by Sher-i-Kashmir Police Academy Udhampur.
4. Dr. Anil Kumar Tewari delivered an invited lecture on "Understanding Interconnectedness of Human and Environment" at the Centre for Comparative Religions and Civilizations, Central University of Jammu, Samba, on the occasion of the celebration of the World Philosophy Day on 19th November 2018.
5. Dr. Anil Kumar Tiwari delivered a lecture on "Research Ethics" during 8th-12th October, 2018 organized by HRDC, SMVD University.
6. Dr. Anil Kumar Tewari delivered an invited lecture in the symposium "Kashmir Shaiva Philosophy and Culture" on 21st October 2018 in the Department of Philosophy, University of Lucknow. The symposium was part of the 63rd Session of All India Philosophy Association, organized from 21st-23rd October 2018.
7. Dr. Ashoka Kumar Tarai delivered a lecture on "Conceptual Analysis" in one week Faculty Development Programme (FDP) on "Research Methodology" organized by Humana Research Development Centre (HRDC), Shri Mata Vaishno Devi University, J&K from 8th-12th October, 2018.
8. Dr. Ashoka Kumar Tarai delivered a lecture on "Social Theory and Experience", in Research Club organised by the School of Language and Literature at Shri Mata Vaishno Devi University, Katra, on 23rd July, 2018
9. Dr. Madhu Mangal Chaturvedi delivered a lecture on 'Harmony in Self' on 9th April 2019 during General Orientation Program organized by Faculty Development Center, SMVDU from 1st-30th April 2019.
10. Dr. Madhu Mangal Chaturvedi delivered a lecture on 'Philosophy of Cognitive Science' on 2nd April 2019 during General Orientation Program organized by Faculty Development Center, SMVDU from 1st -30th April 2019.
11. Dr. Madhu Mangal Chaturvedi delivered a lecture on 'Universal Human Values' on 2nd April 2019 during General Orientation Program organized by Faculty Development Center, SMVDU from 1st -30th April 2019.
12. Dr. Madhu Mangal Chaturvedi delivered a lecture on 'Human Values and Professional Ethics' during one month Faculty Induction Program organized by Faculty Development Center, SMVDU from 2nd January-1st February 2019.
13. Dr. Madhu Mangal Chaturvedi delivered lectures in two sessions on "Ethical Human Values" and "Ethical Professional Values" on 27th December 2018 during a Three-day workshop on "Ethics" to Officers of J&K Police held at Shri-I-Kashmir Police Academy, Udhampur from 27th - 29th December 2018.

14. Dr. Madhu Mangal Chaturvedi delivered a lecture in two sessions on "Human Values and Professional Ethics: Well Being, Building Bonds, Collaboration, Empathy and Sensitivity in Police Organization" on 31st August 2018 during one week course on "Developing Good Communication Skills, Behaviour Attitude and Responsibilities of Police towards General Public" for the officers of J&K Police held at Shri-I-Kashmir Police Academy, Udhampur from 27th August 2018 to 1st September, 2018.
15. Dr. Madhu Mangal Chaturvedi delivered a lecture, titled "Human Values and Jeevan Vidya" on 26th July 2018 during Induction Program for B.Tech students at Shri Mata Vaishno Devi University, Katra, J&K.
16. Dr. Madhu Mangal Chaturvedi delivered a lecture titled "Teaching: A Cognitive Perspective" on 6th July 2018 during Faculty Development Program on "Effective Teaching- Learning in Higher Education" from 04th – 06th July 2018 organized by the School of Architecture and Landscape Design in collaboration with the School of Philosophy and Culture, Shri Mata Vaishno Devi University, Katra.

6.6 Ph.D. Guided: 0

6.7 Students' Achievement

1. Ms. Reena Kumari, a doctoral candidate of the School of Philosophy & Culture, has been awarded with the prestigious Junior Research Fellowship (JRF) of Indian Council of Philosophical Research (ICPR), New Delhi. This fellowship will be granted for two years. The candidate has been working on the topic, "A Study of Practical Reason in Vishnu Sharma and Derek Parfit" under the supervision of Dr. Anil K.Tewari, Head, School of Philosophy & Culture, SMVDU.
2. Ms. Reena Kumari has qualified the State Eligibility Test (SET) in July 2018.

School of Languages and Literature

1. Name of the School: Languages and Literature

2. Faculty Profile:

S.No.	Name of the Faculty Member	Designation	Qualification	Specialization
1.	Dr. Amitabh Vikram Dwivedi	Assistant Professor & Head	Ph. D.	Field Linguistics
2.	Dr. Anurag Kumar	Assistant Professor	Ph. D.	African American Literature
3.	Ms. Isha Malhotra	Assistant Professor	M.A.; NET	Gender Studies, Cultural Studies, Literary Studies
4.	Dr. Simran Preet Kaur	Assistant Professor	Ph. D.	Gender Studies, Film Studies

3. Programmes Offered & Enrollment:

B.Tech.	M.Tech.
NA	NA

4. Details of B.Tech. Students:

Batch	Admitted Students		
	Male	Female	Total
2018 Entry			
NA			

5. Details of M.Tech./M.Sc./M.A. Students:

Batch	Admitted Students		
	Male	Female	Total
2018 Entry			
MA in English	04	16	20

6. Details of Research Scholars:

Year 2018-19	Ph.D.		
	Male	Female	Total
Admitted 2018-19	00	01	01
Awarded 2018-19	00	02	02
Total Presently under Supervision	00	11	11

7. Extension Lectures Delivered by Outside Experts in the School:

1. Dr. NDR Chandra, Prof at Negaland University delivered a lecture series on "Tradition and Individual Talent", "Post Structuralism", "Deconstruction", "Death of the Author", "Intentional and Affective fallacy" at the School of Languages and Literature, SMVDU, from 24th -28th September 2018.
2. Prof. Rajneesh Arora, Director, English & Foreign Languages from University, Lucknow campus delivered lectures on "How to Publish Paper in SCI/ Scopus Journals", "Argument in Research Paper" at School of Languages and Literature, SMVDU from 5th -6th February, 2019.
3. Prof. Sweta Sinha, IIT Patna, delivered lectures on "Linguistics Imperialism and English", "Language- Gender- Power" at the School of Languages and Literature, SMVDU from 23rd -24th October, 2018.
4. Prof. G. Neelakanthan, IIT Kanpur, delivered a lecture series on "Dover Beach", "Death of a Salesman", "The Victim", "Frost's Poem", "Ode to Nightingale" at the School of Languages and Literature, SMVDU, from 20th - 24th October, 2018.
5. Prof. Prabhjot Parmar, University of Fraser Valley, Canada, delivered a lecture on "Cinema in Postcolonial India with a Specific Focus on Hindustani/ Bombay Cinema" at the School of Languages and Literature, SMVDU on 4th October, 2018.
6. Prof. K.B Razdan(Retd.), University of Jammu, delivered lecture on "Post Modern Problematics: Beyond Post Modernism" at the School of Languages and Literature, SMVDU on 7th August, 2018.

7. Prof. Deepshikha Kotwal, Central University of Jammu, delivered a lecture on "Gender Sensitization" at the School of Languages and Literature, SMVDU, on 31st July, 2018.

8. Degree Awardees:

M.A. : 33
Ph.D. : 02

Names of Ph.D. Degree Awardees: Ms. Quleen Kaur Bijral
Ms. Simran Preet Kaur

9. Information About Each Faculty

9.1 Research Projects Initiated & Completed by the Faculty:

Title of the Project	Funding agency	Amount sanctioned	Status/Duration
A Comprehensive Study of Culture, Philosophy, Literature and Language of Jammu & Kashmir	ICSSR	1,80,000/- (Two research scholars of SoL&L; namely Ms. Ayushi & Mr. Ravi Parihar appointed as Research Assistants in the Project)	December 2017- In progress

9.2 Research Publications (with full details in APA Manual)

- Dwivedi A.V. (2019) Numismatics (Hinduism). In: Jain P., Sherma R., Khanna M. (eds) Hinduism and Tribal Religions. Encyclopedia of Indian Religions. Springer, Dordrecht
- Dwivedi A.V. (2019) Architecture (Hinduism). In: Jain P., Sherma R., Khanna M. (eds) Hinduism and Tribal Religions. Encyclopedia of Indian Religions. Springer, Dordrecht
- Dwivedi A.V. (2018) Rāma Navamī. In: Jain P., Sherma R., Khanna M. (eds) Hinduism and Tribal Religions. Encyclopedia of Indian Religions. Springer, Dordrecht
- Dwivedi A.V. (2019) Dyūta. In: Jain P., Sherma R., Khanna M. (eds) Hinduism and Tribal Religions. Encyclopedia of Indian Religions. Springer, Dordrecht
- Dwivedi A.V. (2019) Solipsism (Hinduism). In: Jain P., Sherma R., Khanna M. (eds) Hinduism and Tribal Religions. Encyclopedia of Indian Religions. Springer, Dordrecht
- Dwivedi A.V. (2018) Ekādaśī. In: Jain P., Sherma R., Khanna M. (eds) Hinduism and Tribal Religions. Encyclopedia of Indian Religions. Springer, Dordrecht

7. Dwivedi A.V. (2019) Rajput Dynasty. In: Jain P., Sherma R., Khanna M. (eds) Hinduism and Tribal Religions. Encyclopedia of Indian Religions. Springer, Dordrecht
8. Dwivedi A.V. (2018) Krishnamurti, Jiddu. In: Jain P., Sherma R., Khanna M. (eds) Hinduism and Tribal Religions. Encyclopedia of Indian Religions. Springer, Dordrecht
9. Dwivedi A.V. (2019) Henotheism (Hinduism). In: Jain P., Sherma R., Khanna M. (eds) Hinduism and Tribal Religions. Encyclopedia of Indian Religions. Springer, Dordrecht
10. Dwivedi A.V. (2019) Āraṇyakas. In: Jain P., Sherma R., Khanna M. (eds) Hinduism and Tribal Religions. Encyclopedia of Indian Religions. Springer, Dordrecht
11. Dwivedi A.V. (2019) Nātha Siddhas (Nāths). In: Jain P., Sherma R., Khanna M. (eds) Hinduism and Tribal Religions. Encyclopedia of Indian Religions. Springer, Dordrecht
12. Dwivedi A.V. (2019) Prahlāda. In: Jain P., Sherma R., Khanna M. (eds) Hinduism and Tribal Religions. Encyclopedia of Indian Religions. Springer, Dordrecht
13. Dwivedi A.V. (2018) Purohita. In: Jain P., Sherma R., Khanna M. (eds) Hinduism and Tribal Religions. Encyclopedia of Indian Religions. Springer, Dordrecht
14. Dwivedi A.V. (2019) Linguistic Sound and Religion. In: Leeming D. (eds) Encyclopedia of Psychology and Religion. Springer, Berlin, Heidelberg
15. Dwivedi A.V. (2019) Language and Thought. In: Leeming D. (eds) Encyclopedia of Psychology and Religion. Springer, Berlin, Heidelberg
16. S Singh, A Kumar. (2019) Sexual Violence in Indian Public Sphere: Counter-public Creation and Deferral. *Space and Culture, India* 6 (5), 8-28. DOI 10.20896/SACI.V6I5.317
17. A Vats, A Kumar. (2018). Ghosts of the African Diaspora: Re-Visioning History, Memory, and Identity, by Joanne Chassot. *The Black Scholar* 48 (4), 81-84. <https://doi.org/10.1080/00064246.2018.1514939>
18. Singh, S. and Kumar, A. (2018). Interrogating Impunity through Counterpublic: Rethinking Habermas's Public Sphere in Paulaumi Duttagupta's Onaatah of the Earth. *Media Watch* 9 (3), 278-290. 10.15655/mw/2018/v9i3/49488
19. Kour, Simranjeet and Malhotra, Isha. (2019). Elfriede Jelinek's *The Piano Teacher*: A Psychoanalytic Exploration of Mother-Daughter Dynamics. *Language in India*, Vol. 19:5 May 2019.
20. Kaur, Simran Preet. (2018). "The Camera- Eye and Visual Fiction: Literary Narrative versus Cinematic Fiction". *The IUP Journal of English Literature*.

21. Magotra, Bharti and Kaur, Simran Preet. (2018) .Visual Media and Communication: A Conundrum of Gender Disparity in Animated World, Global Media Journal, 16.30.
22. Tripathi, Shivani and Kaur, Simran Preet. (2018). Beyond Being Instinctive: An Inquiry into Incest through Media, Global Media Journal, 16.30.

9.3 Conferences/Workshops/Seminars/Short term Courses Attended

1. Dr. Amitabh Vikram Dwivedi attended one day national workshop on "Communication Skills Required for Teaching" on 15th December, 2019, organized by the Faculty Development Cell, SMVDU.
2. Dr. Amitabh Vikram Dwivedi attended one day national seminar on "Yoga and Naturopathy" for well-being on 30th March, 2019, organized by the School of Philosophy & Culture, SMVDU, in collaboration with Archana Yogayatan, New Delhi.
3. Dr. Amitabh Vikram Dwivedi attended Indian Philosopher's Day 2019, organized by the School of Philosophy & Culture, in collaboration with ICPR, New Delhi, on 9th May 2019.
4. Dr. Amitabh Vikram Dwivedi attended and chaired national seminar on "Technology, Tradition, Heritage and Culture" on Concoction for Consciousness: Progression, Identity-Formation and Subjectivism" organized by Govt. Degree College, Udhampur, on 26th March, 2019.
5. Dr. Amitabh Vikram Dwivedi attended Professional Development Training under TEQIP-III organized by IIM Raipur from 11th -15th March 2019.
6. Dr. Amitabh Vikram Dwivedi attended and chaired seminar on "Dr. B.R. Ambedkar: Thinker for All Ages" and presented a paper titled "B.R. Ambedkar's Thoughts on Linguistics State" at national seminar organized by Bhavan's Sheth R.A. College of Arts & Commerce, in collaboration with ICHR from 23rd -24th November 2019.
7. Dr. Amitabh Vikram Dwivedi attended and presented session on "How to write an Abstract" as a resource person at one week faculty development programme on "Research Methodology Using R&E Views" organized by FDC, SMVDU in collaboration with PMMMNMTT from 21st-25th May, 2019.
8. Dr. Amitabh Vikram Dwivedi attended and presented a session on "Linguistic Issues in Translation" as a resource person at one week workshop on translation on 'Srijan-A step towards creating' organized by GDC, Udhampur in collaboration with Dogri Sanstha from 9th -15th April 2019.
9. Dr. Amitabh Vikram Dwivedi attended and was a resource person at one week national workshop on "Academic Writings: Materials, Method, Manner" organized by Banasthali Vidyapith in collaboration with PMMMNMT during 27th October- 2nd November 2018.

10. Dr. Amitabh Vikram Dwivedi attended and presented a paper titled "Publishing Your Research" as a resource person at one week FDP on Research Methodology organized by HRDC, SMVDU from 8th -12th October 2018.
11. Dr. Amitabh Vikram Dwivedi attended and presented a paper, titled "Domestic/Street Violence: Women as Soft Target" as a resource person at three-day course on "Women Safety & Security-Issues and Challenges" on 17th July 2018 organized by Sher-I-Kashmir Police Academy, J&K.
12. Dr. Amitabh Vikram Dwivedi attended and presented a paper titled "Structures of Lesser-Known Languages of Jammu & Kashmir" at Bhartiya Bhasha Sangam organized by JNU in collaboration with U.P. Bhasha Sansthan from 16th-18th November 2018.
13. Dr. Amitabh Vikram Dwivedi completed a twelve week NPTEL course, titled "Feminist Writings" from January-April 2019.
14. Dr. Anurag Kumar attended a one day national workshop on "Communication Skills Required for Teaching" on 15th December 2019 organized by Faculty Development Cell, SMVDU.
15. Dr. Anurag Kumar attended a one day national seminar on "Yoga and Naturopathy for well-being" on 30th March 2019 organized by the School of Philosophy, SMVDU in collaboration with Archana Yogayatan, New Delhi.
16. Dr. Anurag Kumar attended one day national Indian Philosopher's Day on 9th May, 2019 organized by the School of Philosophy & Culture in collaboration with ICPR, New Delhi.
17. Dr. Anurag Kumar participated in four week Orientation Programme organized by FDC, SMVDU from 1st -30th April 2019.
18. Dr. Anurag Kumar completed a twelve week NPTEL course titled "Feminist Writings" from January-April 2019.
19. Ms. Isha Malhotra attended UGC DRS- II SAP seminar on "Towards Indian Theory/ Theories of Cultural Studies" from 13th -15th March 2019 at Panjab University, Chandigarh and presented a paper, titled "Colonial Modernity and Gandhian Androgyny".
20. Ms. Isha Malhotra attended a three day workshop on "The Philosophy of the now- countering incommunication, invisibility, crises" from 5th -7th October 2018 at Jamia Millia Islamia, New Delhi.
21. Ms. Isha Malhotra participated in four week orientation Programme organized by FDC, SMVDU, from 1st -30th April, 2019.
22. Dr. Simran Preet Kaur presented a paper titled "Metoo Movement: A Hash tag Wakeup of Sexually Abused Victims" in international conference on "Semiotic Approach to Feminist Studies" held from 18th -19th December, 2018.

23. Dr. Simran Preet Kaur presented a paper titled "Cyborgian Future or Human Evolution: An Exploration of Human Computing in Hindi Cinema" in one day national seminar on "Concoction of Consciousness: Progression, Identity-Formation and Subjectivation" 26th March 2019.
24. Dr. Simran Preet Kaur completed a twelve week NPTEL Online Certification Course cum FDP on "Introduction to World Literature".
25. Dr. Simran Preet Kaur delivered a lecture on "Gender Sensitivity: Need of Hour" in a three days course on "Women Safety and Security- Issues and Challenges for NGOs of J&K" Police at Sher-I-Kashmir Police Academy, Udhampur on 17th July, 2018.
26. Dr. Simran Preet Kaur delivered lecture on "How to Publish a Research Paper" in one day workshop on "Research Methods" during two day national doctoral student conclave held at SMVD University from 25th -26th March 2019.
27. Dr. Simran Preet Kaur delivered a lecture on "Developing LSRW for Effective Communication" at CT University, Ludhiana on 29th April 2019.
28. Dr. Simran Preet Kaur attended national seminar on "Socio- Cultural Impact of Adi Shankarcharya: A Historical Perspective" from 01st -02nd June, 2018, organized by ICHR in collaboration with the School of Philosophy and Culture, Shri Mata Vaishno Devi University.
29. Dr. Simran Preet Kaur attended national doctoral student conclave organized by Shri Mata Vaishno Devi Univeristy, Katra on 18th September, 2018.
30. Dr. Simran Preet Kaur attended one week Faculty Development Program on "Academic Writing: Theory and Praxis" organized by Shri Mata Vaishno Devi Univeristy, Katra from 01st -06th November, 2018.
31. Dr. Simran Preet Kaur attended three day national workshop on "Reading & Writing for Public Relations & Corporate Communications" held at SMVD University on 28th, 29th & 30th January, 2019.
32. Dr. Simran Preet Kaur attended a six-day national workshop on "Gender and Development" from 11th -16th February 2019.
33. Dr. Simran Preet Kaur attended heritage volunteer training workshop on Intach's Heritage Education Programme at GDC, Udhampur on 3rd April 2019.
34. Dr. Simran Preet Kaur attended one week workshop on "Translation Srijan A Step Towards Creation under the Ability Enhancement Compulsory Course", organized by GDC Udhampur in collaboration with Dogri Sanstha, Jammu from 9th -15th April 2019.

9.4 Conferences/ Seminars /Workshops/FDPs/MDPs Organized

1. Dr Amitabh V. Dwivedi coordinated national doctoral student conclave, organized by Shri Mata Vaishno Devi Univeristy, Katra on 18th September, 2018.
2. Dr Amitabh V. Dwivedi coordinated one week faculty development Program on "Academic Writing: Theory and Praxis", organized by Shri Mata Vaishno Devi Univeristy, Katra from 1st -6th November, 2018.
3. Dr Amitabh V. Dwivedi coordinated two day international conference on "Semiotic Approach to Feminist Studies" held from 18th-19th December, 2018.
4. Dr Amitabh V. Dwivedi coordinated three day national workshop on "Reading & Writing for Public Relations & Corporate Communications" held at SMVD University on 28th, 29th & 30th January, 2019.
5. Dr Amitabh V. Dwivedi coordinated two day national doctoral student conclave held at SMVD University from 25th-26th March 2019.
6. Dr. Anurag Kumar convened two day international conference on "Semiotic Approach to Feminist Studies", from 18th -19th December 2019 at SMVDU.
7. Dr. Anurag Kumar convened two day national congress on 'International Mother Language Day' from 11th -12th March 2019 at SMVDU.
8. Dr. Anurag Kumar convened two day national doctoral student conclave from 25th-26th March 2019 at SMVDU.
9. Dr. Anurag Kumar convened an FDP on "Academic Writing: Theory and Praxis" from 1st -6th November 2019 at SMVDU.
10. Dr. Anurag Kumar convened a three day national workshop on "Reading and Writing for Public Relations and Corporate Communications" from 28th-30th January 2019 at SMVDU.
11. Ms. Isha Malhotra was organizing secretary for one week faculty development program on "Academic Writing: Theory and Praxis" organized by Shri Mata Vaishno Devi Univeristy, Katra from 1st -6th November 2018.
12. Ms. Isha Malhotra was organizing secretary for two day international conference on "Semiotic Approach to Feminist Studies" held from 18th -19th December 2018.
13. Ms. Isha Malhotra was organizing secretary for three day national workshop on "Reading & Writing for Public Relations & Corporate Communications" held at SMVD University on 28th, 29th & 30th January, 2019.
14. Dr. Simran Preet Kaur was Treasurer for one week faculty development program on "Academic Writing: Theory and Praxis" organized by Shri Mata Vaishno Devi Univeristy, Katra from 1st -6th November 2018.

15. Dr. Simran Preet Kaur was organizing secretary and treasurer for two day international conference on "Semiotic Approach to Feminist Studies" held from 18th -19th December, 2018.

16. Dr. Simran Preet Kaur was organizing secretary and treasurer for Three Day National Workshop on "Reading & Writing for Public Relations & Corporate Communications" held at SMVD University during 28th, 29th & 30th January 2019.

17. Dr. Simran Preet Kaur was organizing secretary and Treasurer for Two Day National Doctoral Student Conclave held at SMVD University from 25th -26th March 2019.

9.5 Ph.D. Guided

S. No.	Name of the Student (s)	Registration Year and Status (Full Time/Part-time)	Title of the Topic	Remarks
1.	Ravi Parihar	2014 Full Time	A Linguistic Grammar of Sarazi Language	Submitted
2.	Tanima Anand	2014 Part Time	Tense, Aspect and Mood: Theoretical and Descriptive Issues in Dogri	Ongoing
3.	Ayushi	2017 Full Time	A Linguistic Grammar of Punci Language	Ongoing
4.	Akanksha	2017 Full Time	The Semantics of Locative Expressions in Hindi	Ongoing
5.	Akanksha Badyal	2015 Full Time	Re-reading Contemporary Romance: Celebrating Femininity in Indian Post Feminist Writings	Ongoing
6.	Devika Sharma	2019 Full Time	Coursework in progress	Ongoing
7.	Bhushan Sharma	2015 Full Time	Locating Dalit Feminist Standpoint: Select Dalit Women's Life Narratives as Testimonies	Ongoing
8.	Subah Gautam	2013 Part Time	Post-Feminist Mythical Figures: Reconstructing the Identity of Women in Contemporary Writings	Ongoing
9.	Sakshi Singh	2016 Full Time	Interrogating Sexual Violence and Patriarchal Impunity through Select Indian and American Novels	Ongoing
10.	Parul Priya	2016 Full Time	Transgender Life-Narratives: Interrogating Structural Inequalities and Creating Counterpublic	Ongoing
11.	Surbhi Sharma	2016 Full Time	Locating Black Feminist Standpoint in Autobiography:	Ongoing

			An Inquiry into the Experiences of Maya Angelou	
12.	Adishree Vats	2016 Full Time	Black Feminist Standpoint in Gloria Naylor's Fiction: Mapping the Landscape of Social Inequalities	Ongoing
13.	Priyanka Gupta	2012 Part Time	Reinterpreting Partition from Feminist Perspective in Selected Partition Novels	Submitted
14.	Komal Rakwal	2012 Part Time	Human-Nature Affinities in Selected Indian Novels: An Eco-critical Perspective	Submitted

Faculty of Management

School of Business

1. Name of the School: School of Business

2. Faculty Profile:

S.No.	Name of the Faculty Member	Designation	Qualification	Specialization
1.	Prof. (Dr.) D. Mukhopadhyay	Professor & Dean	M. Com., M. A. (Eco)., MFM., MBA, LL.B., FCMA (India), FCS (India), FCMA (Nigeria), Ph. D., D. Litt., Cost & Management Accountant (CMA) & Company Secretary (CS)	Finance & Accounting, Marketing and General Management
2.	Dr. Ashutosh Vashishtha	Associate Professor	MBA, Ph.D.	Finance
3.	Dr. Supran Kumar Sharma	Associate Professor	Ph.D.	General Management, Entrepreneurship Management, Decision Science
4.	Dr. Jyoti Sharma	Associate Professor	Ph.D.	HRM & OB

5.	Dr. Sushil Kumar Mehta	Associate Professor	Ph.D.	Finance
6.	Dr. Saurabh	Associate professor	Ph.D.	Strategic management and marketing
7.	Dr. Hari Govind Mishra	Associate Professor	Ph.D.	Marketing
8.	Dr. Arti Maini	Assistant Professor	MBA, Ph.D.	Human Resource Management, Organizational Behaviour
9.	Dr. Rashi Taggar	Assistant Professor	B.Sc,B.Ed., MBA, UGC-NET, Ph.D.	Marketing and Supply Chain Management
10.	Dr. Sanjay Kumar Mishra	Assistant Professor	Ph.D. SCM (Massachusetts Institute of Technology, USA)	Finance, Supply Chain Management, Family Business
11.	Dr. Syeda Shazia Bukhari	Assistant Professor	MBA, Ph.D., NET, SLET	HR & Marketing
12.	Dr.Roop Lal Sharma	Assistant Professor	Ph.D.	Digital Economy & Banking
13.	Dr. Deepaak Kumar Jain	Faculty	P.G.D.M., M.B.A., Ph.D.	Marketing

3. Programmes Offered & Enrollment: MBA

4. Details of MBA Students:

Batch	Admitted Students		
	Male	Female	Total
2018 Entry	29	30	59

5. Details of Research Scholars:

Year 2018-19	Ph.D.		
	Male	Female	Total
Admitted 2018-19	03	01	04
Awarded 2018-19	01	01	02
Total Presently under Supervision	13	15	28

6. Extension Lectures Delivered by Outside Experts in the School:

1. Prof. A.K. Jain, Prof Emiretus (IIM –A) conducted "Orientation Programme" from 14th - 18th July 2018 at School of Business.
2. Prof. M.R. Jain, Retd. Professor (IIM-A) conducted "Orientation Programme" from 14th - 18th July 2018 at School of Business.
3. Mr. Rajender Pratap Gupta, Advisor, Ministry of Health and Family Welfare, Government of India, delivered a special lecture on "Orientation Programme" in School of Business on 19th July, 2018.

4. Dr. Anant Sardeshmukh, Director General Manager, MCCIA, Pune, delivered a special lecture on "Orientation Programme" in the School of Business on 19th July, 2018.
5. Mr. Sujat Mahajan, CEO, Mannat Enterprises, delivered an invited talk on "Creating the organisation, Corporate Ventures and franchising" at the School of Business on 28th September 2018.
6. Mr. Raghav Gupta, Practising Chartered Accountant (C.A.), delivered special lecture on 'Practical Aspects of Analysis of Statement of Shareholders' Earnings and Balance sheet' at the School of Business on 3rd October, 2018.
7. Mr. Raghav Gupta, Practising Chartered Accountant (C.A.), delivered a special lecture on 'Practical Aspects of Analysis of Income Statement and Cash Flow Statement Earnings and Balance sheet' at the School of Business on 4th October, 2018.
8. Wing Commander (Retd.) Kamal Singh Oberh, Indian Air Force, delivered an invited talk on "Extreme Adventure Expeditions" at the School of Business on 17th October, 2018.
9. Ms. Sandhya Suri, Ex. Director, Devoit Ltd. delivered a special lecture/an invited talk on "Relationship Marketing" at the School of Business on 22nd October, 2018.
10. Dr. D.P. Kothari, Former Vice-Chancellor, VIT, Vellore and Ex-Director, IIT Delhi, delivered a special lecture on "Consumer Behavior & Strategies for Digital Economy" at the School of Business on 12th October, 2018.
11. Dr. Shankar Venugopal, Vice President, Mahindra Research Valley, delivered an invited talk on "Disruptive Technologies in Marketing" at School of Business on 22nd October, 2018.
12. Mr. Chandan Bhavnani, Vice President, Yes Bank, delivered a special lecture on "Sustainable Marketing" at the School of Business on 23rd October, 2018.
13. Mr. Amitabh Reu, GM, Panasonic India, delivered a special lecture talk on "White Goods' Marketing Strategies" at the School of Business on 23rd October, 2018.
14. Taranvir Gujral, MD, T.V. Super Filter Ltd. delivered a special lecture talk on "E-entrepreneurship business models and strategies, venture capital financing, angel investors and structuring deals" at the School of Business on 22nd November, 2018.
15. Prof. Sanjay Dhir, DMS, IIT Delhi, delivered a special lecture on "Managing Dynamics organizations Implementations strategy" at the School of Business on 14th November, 2018.

16. Prof. Dinesh Sharma, SJMSOM, IIT Bombay, delivered a special lecture talk on "Industrial Marketing Process International Marketing" at the School of Business on 12th November, 2018.
17. Prof. Dinesh Sharma, SJMSOM, IIT Bombay, delivered a special lecture on "Case/s Study" at School of Business on 13th November, 2018.
18. Mr. Sanjay Misra, HR Head Uflex, delivered an invited talk on "Management of Organisations, Business Turnaround and organizational transformation & understanding workplaces and Industrial Psychology" at School of Business on 17th November, 2018.
19. Sh. Neelakantan Krishnan Aiyar, Head, Finance and Procurement, Rina India (Rina Services Group, Italy) for India, Bangladesh & Sri Lanka delivered a guest lecture on "Change Management" on 27th December 2018.
20. Prof. Joy Mukhopadhyay from Presidency University, Bangalore, (alumnus of IIT-Kharagpur and IISc Bangalore) delivered an invited talk on "Supply Chain Dynamics" at School of Business on 11th January, 2019.
21. Mr. Sanjeev Singh, CSO, Trescon Bengaluru, delivered an invited talk on "Key element for creating a profitable Event Portfolio Taking Decisions in Global context" at School of Business on 1st March, 2019.
22. Mr. Govind Prakash Sharma, Principal Consultant, Treastech, Bengaluru, delivered an invited talk on "Product development decisions and Pre-sales decisions w.r.t. supply chain of financial products" at School of Business on 1st March 2019.
23. Mr. Neeraj Kaul, MD, 3DPower Solutions LLP and formerly Director (Sales & Marketing), GE Energy, USA delivered an invited talk on "Strategy Formulation, Problem identification & solution Prescriptions, New age Leadership, Economic Value Creation" at School of Business on 13th March 2019.
24. Mr. C. Venugopalan, Vice President, Bosch India, delivered an invited talk on "Leadership" at School of Business on 12th April 2019.
25. Ms. Monika Kohli delivered an invited talk on "Business Law" at School of Business on 26th April, 2019.
26. Mr. Govind Prakash Sharma, Principal Consultant, Treastech, Bengaluru delivered an invited talk on "Marketing Decision Making: Product Development Decisions Financial Product, Introduction to Block Chain" at School of Business on 29th April 2019.
27. Dr. Usha Lenka, DMS IIT Roorkee, delivered an invited talk on "Management and Strategic Human Resource" at School of Business on 4th May 2019.
28. Ms. Amranjeet Kaur, HR Manager, Uflex, delivered an invited talk on "Management and Leadership Development for Engineers" at School of Business on 3rd May 2019.

29. Dr. Satish Kumar, Head, Department of Management Studies, Malviya National Institute of Technology, Jaipur delivered a special lecture on "Behavioural Finance and its Applications in Capital Markets" on 26th October 2018

7. Degree Awardees:

M.B.A. : 58

Ph.D. : 02

Names of Ph.D. Degree Awardees: Ms. Shravani Sharma; Mr. Abid Sultan

8. Information About Each Faculty

8.1 Research Projects Initiated & Completed by the Faculty

Prof. (Dr.) D. Mukhopadhyay

Title of the Project	Funding agency	Amount sanctioned	Status/Duration
Pandit Madan Mohan Malaviya National Mission on Teachers & Teaching (PMMMMNMTT) under HRDC	Ministry of Human Resource & Development, GoI.	Rs. 648 Lacs	In progress

Dr. Ashutosh Vashishtha:

Title of the Project	Funding agency	Amount sanctioned	Status/Duration
An Empirical Study of Bank Credit Risk Management Using Big Data Analytics	ICSSR, Ministry of Human Resource Development, GoI.	Rs. 15 Lacs	In progress

Dr. Arti Maini

Title of the Project	Funding agency	Amount sanctioned	Status/Duration
Engaging Employees: An Insight from Small and Medium Enterprises of Jammu Region, Jammu and Kashmir State	UGC	Rs. 9,18,400.00	Completed/3 years

8.2 Research Publications (with full details in APA Manual)

1. Verma, R., & Mukhopadhyay, D. (2018). *Corporate Social Responsibility: A Review of Tata companies*. *Asian-African Journal of Economics and Econometrics*, 18(2).

2. Verma, R., & Mukhopadhyay, D. (2018). *Impact of CSR on brand image and consumer loyalty: a critical study*. Indian Journal of Economics & Business, 17(4).
3. Mukhopadhyay, D., & Jaswal, P. (2018). *Corporate social responsibility an analytical study of global and Indian perspectives and practices (Doctoral thesis)*. Rajiv Gandhi National University of Law, Punjab, India. Retrieved from <https://shodhganga.inflibnet.ac.in/handle/10603/228369>
4. Shravani & Sharma, Suparn K. (2019). Evidence on Relationship between Economic Growth and Financial Development of Selected Northern Indian States Using Panel VEC Approach. Journal of Quantitative Economics.
5. Shravani & Sharma, Suparn K. (2018). *Dynamics of Financial Development and Economic Growth: Panel Data Analysis for Selected Indian States*. Dynamic Econometric Models, Vol. 18 (2018), pp.5-34.
6. Shravani & Sharma, Suparn K. (2018). *Uncovering the Ideal Technical Efficiency Movements of the Private Sector Hospital of India*. IUP Journal of Applied Economics, Vol. XVII (2), pp.7-38.
7. Magotra, I., Sharma, J. & Sharma, Suparn K. co-authored P. Sharma (2018). Investigating linkage between customer value and technology adoption behaviour: A study of banking sector in India. European Research on Management and Business Economics, Vol.24 (1) pp.17-26.
8. Sharma, J. (2018). *Workaholism and Bank Employees' Well-Being: An Inside' Look* International Journal of Business Excellence, UK, Vol.15(3) <https://doi.org/10.1504/IJBEX.2018.092572>
9. Sharma, J. co-authored I. Magotra and S. K. Sharma (2018). Investigating Linkage between Customer Value and Technology Adoption Behaviour: A Study of Banking Sector in India. European Research on Management and Business Economics, Vol. 24(1) pp. 17-26. <https://doi.org/10.1016/j.iedeen.2017.11.001>.
10. Dar, A. A., & Mehta, S. K. (2018). *Assessing the Influence of Different Financial Schemes on Tourism Development of Kashmir*. Journal of Hospitality Application & Research, 13(2), 30-43.
11. Jamwal, D. & Saurabh. (2019). *Strategic Approach: A Step towards Sustainable Solid Waste Management in the Developing Economies*. Asian Journal of Empirical Research, Vol 9, No.4 .
12. Srivastava, S. & Jamwal D. (2019). *Determinants of Awareness and Disposal Habits of Households for Effective Municipal Solid Waste Management*. for J. for Global Business Advancement" Vol 11, No. 6.
13. Sultan, A. & Srivastava, S. (2018). *Studying role of marketing competence in the firm level competitiveness*. International Journal of Management Concepts and Philosophy (IJMCP), Vol 11(4), DOI: 10.1504/IJMCP.2018.096067

14. Saurabh (2019). *Economic Value Added for Competitive Advantage: A Case of Indian Enterprises*. New Castle UK: Cambridge Scholars.
15. Maini, A. and Heera, S. (2019), "Exploring Disability Inclusion in Organizations through Managerial Lens", *Vision: The Journal of Business Perspective*, <http://doi.org/10.1177/0972262919840193>.
16. Heera S. and Maini A. (2018). *Disability Inclusion*. In: Dhir S., Sushil (eds) *Flexible Strategies in VUCA Markets*. Flexible Systems Management. Springer, Singapore, pp.79-88.
17. Deepika, Taggar, R. and Jain, D. (2018). *Enhancing Talent Competitiveness in the Technological Era*. AIMS Journal of Research, Vol 13, Issue 2, pp. 18-22.
18. Bukhari, S.S., Gupta, M. and Taggar, R. (2018). *An Empirical Study on Employees Perception of Existing Flexible Work Practices and its Impact on their Performance*. Amity Global HRM Review, 2018, Volume 8, September Issue, pp. 36-39.
19. Jain, D. & Gupta, B. (2019) *Impact of Green Marketing on Consumer Behavior: A Study with special reference to Jammu*. <https://www.gapjournals.org/view-issues.php?jid=3> ,<https://www.gapjournals.org/view-articles.php?iid=7>
20. Jain, D. & Gupta, R. (2019) *Factorial Analysis of Growth of Online Retail and Study of Online Buying Behaviour of Consumers in Jammu City* <https://www.gapjournals.org/view-issues.php?jid=3>,<https://www.Gapjournals.org/view-articles.php?iid=7>
21. Jain, D. and Gupta, S. (2019) *Omni-Channel E-Tailing: Dynamics of Consumer Purchase Decision Behaviour*. <https://www.gapjournals.org/view-issues.php?jid=3>, <https://www.gapjournals.org/view-articles.php?iid=7>

8.3 Conferences/Workshops/Seminars/Short term Courses Attended

1. Prof. (Dr.) D. Mukhopadhyay attended the "Annual Accreditation Conference: Asia Pacific" organized by the AACSB at Kuala Lumpur, Malaysia, 18th-26th May 2019.
2. Prof. (Dr.) D. Mukhopadhyay attended an international conference on "Management Education - The Road Ahead" organized by the SoB, SMVD University, 6th -8th June 2019.
3. Dr. Jyoti Sharma attended three-day training programme on Effective Teaching Learning at Shi Mata Vaishno Devi University, Katra in 4th -6th July 2018.
4. Dr. Saurabh participated in International Conference for Development Discourse, NIN, Hyderabad from 8th-10th February 2019.
5. Dr. Saurabh participated in XIV international conference on "Business Sustainability in the 21st Century: Managing people, Planet and Profit" on 23rd February 2019.

6. Dr. Arti Maini earned record of Achievement in the course "People Analytics and Evidence Based Management" offered by University of Mannheim and Mannheim Business School from 19th March – 17th April 2019.
7. Dr. Arti Maini and Dr. Syeda Shazia Bukhari attended an international seminar on "Sustainable Rural Development in India: Issues, Opportunities & Challenges" organized by SOE, SMVDU in collaboration with NABARD on 9th March, 2019.
8. Dr. Arti Maini and Dr. Syeda Shazia Bukhari participated in a three day national workshop on "Reading and Writing for Public Relations and Corporate Communications" organized by Media Cell in collaboration with School of Languages and Literature, University from 28th -30th January, 2019.
9. Dr. Rashi Taggar and Dr. Syeda Shazia Bukhari attended national workshop on "Reading and Writing for Public Relations and Corporate Communications" organized by Media Cell, SMVD University, 28th – 30th January, 2019
10. Dr. Rashi Taggar attended national workshop on "Advances in Clean Energy Conversion Technologies and Materials for Energy Storage Applications" organized by School of Mechanical Engineering, SMVD University, 24th-25th January, 2019
11. Dr. Rashi Taggar and Dr. Syeda Shazia Bukhari attended an FDP on Academic Writing: Theory & Praxis organized by School of Languages and Literature, SMVD University, 1st-6th November, 2018.
12. Dr. Roop Lal attended an FDP "Effective Teaching –Learning in Higher Education" at SMVD University on 4th-6th July, 2018.
13. Dr. Roop Lal attended an FDP-Best Manufacturing Practices in Industries at SMVD University on 17th-21st December 2018.
14. Dr. Roop Lal attended one week workshop on "Pedagogy" at SMVD University on 11th-15th March 2019.
15. Dr. Deepak Jain attended one Week Workshop on 'Pedagogy' at Shri Mata Vaishno Devi University from 11th-15th March 2019.
16. Dr. Deepak Jain attended a three day national workshop on 'Reading and Writing for Public Relations and Corporate Communications' at Shri Mata Vaishno Devi University from 28th-30th January 2019.
17. Dr. Deepak Jain attended a two day national workshop on 'Advances in Clean Energy Conversion Technologies and Materials for Energy Storage Applications' at Shri Mata Vaishno Devi University from 24th-25th January 2019.
18. Dr. Deepak Jain attended a workshop on 'Best Manufacturing Practices in Industries' at Shri Mata Vaishno Devi University from 17th-21st December 2018.
19. Dr. Deepak Jain attended one week faculty development program on 'Research Methodology', 8th - 12th October 2018.

20. Dr. Deepak Jain attended a two day workshop on 'Research in Marketing: A Practical Approach' organized by Rukmini Devi Institute of Advanced Studies (Delhi), 20th - 21st July 2018.
21. Dr. Deepak Jain attended one day training on 'ERP Based Semester Registration System' at Shri Mata Vaishno Devi University on 16th July 2018.
22. Dr. Deepak Jain attended a four day Orientation Program on "Building Competence on Sustained Use of Case Method" at Shri Mata Vaishno Devi University from 14th - 17th July 2018.

8.4 Paper presented in Conferences

1. Dr. Supran K. Sharma attended an international conference on "Strategic Marketing Initiatives in Emerging Markets" and presented a paper entitled "Analysis of Long Tail vs. Pareto Rule as Online Marketing Strategy: A Comprehensive Literature Review" at the Business School, University of Jammu from 15th-16th March, 2019.
2. Dr. Supran K. Sharma attended an international conference on "Recent Trends in Business Management and Sustainable Development" and presented a paper entitled "Efficacy of Social Media for Consumer Decision Making" at MIMS, Manipur University, Imphal from 22nd - 24th December 2018
3. Dr. Supran K. Sharma attended an international conference on "Advancement in Engineering, Applied Sciences and Management" and presented a paper entitled "Impact of Gender on Decision Making Style" at ICSSR N-W Regional Center, Punjab University, Chandigarh on 15th April 2018.
4. Dr. Jyoti participated as a session co-Chair at international seminar on "Sustainable Rural Development in India: Issues, Opportunities & Challenges" jointly organized by NABARD and School of Economics, Shri Mata Vaishno Devi University, Katra, J&K, on 9th March, 2019.
5. Dr. Jyoti Sharma participated as a Resource Person and chaired a session at three days international conference on "Recent Trends in Business, Management and Sustainable Development" jointly organized by Manipur Institute of Management Studies, Manipur University and North Eastern Management Association at Imphal from 22nd -24th November, 2018.
6. Dr. Saurabh participated in an international conference for "Development Discourse" and presented paper on "The Divine Design of Social Enterprises in the Development Discourse", organized by RFRF, NIN, Hyderabad, 8th -10th February 2019
7. Dr. Saurabh participated in national conference on "Emerging trends in Entrepreneurship: Business management and Social Sciences" and presented a paper on "Organisational Skills and Structure in Dynamic Environment: A General Overview", at Amity University, Madhya Pradesh on 16th October 2018.

8. Dr. Arti Maini participated in an international seminar on "Sustainable Rural Development in India: Issues, Opportunities & Challenges" and presented a paper, entitled, "Customer Perception towards Risk in Mobile Banking: A Study of Rural Area", co-authored by Neeraj Gupta organized by SOE, SMVDU in collaboration with NABARD on 9th March, 2019.
9. Dr. Rashi Taggar co-chaired a technical session in international conference on 'Strategic Marketing Initiatives in Emerging Markets' at the Business School, University of Jammu on 15th March, 2019.
10. Dr. Rashi Taggar participated in NABARD sponsored international seminar on "Sustainable Rural Development in India: Issues, Opportunities & Challenges" and presented a paper titled "Tapping the Market with Rich Taste of 'Creamy-bite': A Case Study" at SMVD University, 9th March, 2019
11. Dr. Rashi Taggar participated in 5th international conference on "Recent Trends & Advancement in Engineering and Technology" and presented a paper titled "Relationship Quality improving Supply Chain Operational Performance" at SMVD University, 25th – 26th October, 2018
12. Dr. Rashi Taggar participated in an international conference on "Mechanical Engineering and Allied Sciences" ICMEAS-2018 and presented a paper, titled "Exploring Factors of Buyer Supplier Relationship and their impact on Operations" at SMVD University, 14th–15th September 2018.
13. Dr. Syeda Shazia Bukhari participated and presented a paper in international conference on "Sustainable Rural Development in India: Issues, Opportunities & Challenges" on 9th March 2019.
14. Dr. Syeda Shazia Bukhari participated and presented a paper in international conference on "Mechanical Engineering and Allied Sciences" ICMEAS-2018 at SMVD University from 14th-15th September 2018.
15. Dr. Roop Lal participated and presented a paper in 9th Int. Conference on "Excellence in Research and Education" (CERE 2018) at IIM Indore from 3rd -5th, August 2018.
16. Dr. Roop Lal participated and presented a paper on "Sustainable Human Resources Management: Practice, Policies & Perspective" in South Asia at University of Hyderabad from 1st-2nd November 2018.
17. Dr. Roop Lal participated and presented a paper in "First PAN IIT International Management Conference -2018" at IIT, Roorkee on November 30th-2nd December 2018.
18. Dr. Deepak Jain participated in ICSSR sponsored from a two day national seminar on "Microfinance and its Potential in India: Retrospect and Prospects" and presented a paper entitled "Trust on Organic Food Products and its Impact on Buyers' Buying Behaviour with special reference to Quality, Self-Fulfilment and Eco-

Friendly Behaviour” at Dev Sanskriti University, Uttarakhand from 14th - 15th February 2019.

19. Dr. Deepak Jain participated in ICSSR sponsored a two day national seminar on “Microfinance and its Potential in India: Retrospect and Prospects” and presented a paper entitled “In-Store Shopping Environment & Impulsive Buying with special reference to Jammu City” at Dev Sanskriti University, Uttarakhand from 14th - 15th February 2019.
20. Dr. Deepak Jain participated in international conference on “Sustainable Human Resource Management: Practices, Policies and Perspectives in South Asia” and presented a paper entitled “Employee’s Perception regarding CSR Initiatives of the Companies in Jammu” at University of Hyderabad, Telangana from 1st -2nd November 2018.
21. Dr. Deepak Jain participated in a national conference on “Emerging Trends in Entrepreneurship, Business Management and Social Sciences” and presented a paper entitled “Effect of Demographic Variables on Customer Satisfaction in Public, Private, and Foreign Banking Sectors” at Amity Business School, Amity University, Madhya Pradesh on 16th October 2018.
22. Dr. Deepak Jain participated in a national conference on “Emerging Trends in Entrepreneurship, Business Management and Social Sciences” and presented a paper entitled “Relationship between Service Quality and Customer Satisfaction towards Easy-Day Super market with special reference to Jammu” at Amity Business School, Amity University, Madhya Pradesh on 16th October 2018
23. Dr. Deepak Jain participated in a national conference on “Emerging Trends in Entrepreneurship, Business Management and Social Sciences” and presented a paper entitled “Assessment of Entrepreneurial Competencies on the owners of Micro and Small Enterprise in Jammu City” at Amity Business School, Amity University, Madhya Pradesh on 16th October 2018.
24. Dr. Deepak Jain participated in a national conference on “Emerging Trends in Entrepreneurship, Business Management and Social Sciences” and presented a paper entitled “Consumer Attitude towards Online Shopping: An Empirical Study on Rural and Urban Consumers” at Amity Business School, Amity University, Madhya Pradesh on 16th October 2018.
25. Dr. Deepak Jain participated in a national seminar on “Eco-Tourism: Issues & Challenges” and presented a paper entitled “Impact of Digital Marketing on Consumer Decision Making Process” at Baba Ghulam Shah Badshah University. Rajouri, Jammu & Kashmir on 26th March 2019.
26. Dr. Deepak Jain participated in a national seminar on “Eco-Tourism: Issues & Challenges and presented a paper entitled “Adventure Tourism: Prospectus and Growth Drivers in J&K” at Baba Ghulam Shah Badshah University. Rajouri, Jammu & Kashmir on 26th March 2019.

8.5 Conferences/ Seminars /Workshops/FDPs/MDPs Organized

1. Dr. Supran Kumar Sharma, Dr. Saurabh and Dr. Rashi Taggar organized an international conference on "Management Education: The Road Ahead", 6th -7th June 2019.
2. Dr. Supran Kumar Sharma and Dr. Jyoti Sharma organized a two-day management development programme on "Efficient Decision Making: Processes & Practices" at Shri Mata Vaishno Devi University, Katra, from 24th-25th May 2019.
3. Dr. Supran Kumar Sharma and Dr. Rashi Taggar organized a two-week Faculty Development Programme on "Marketing Research & Business Analytics with Econometric Applications in Business Management" at Shri Mata Vaishno Devi University, Katra, from 6th -17th May 2019.
4. Dr. Jyoti Sharma and Dr. Supran Kumar Sharma organized a five-day training programme with financial support of Ministry of Environment and Climate Change, GoI on "Disaster Management and Risk Reduction Initiatives through Forestry and Others" for Indian Forest Service Officers at Shri Mata Vaishno Devi University, Katra on from 21st-25th January 2019.
5. Dr. Supran Kumar Sharma and Dr. Rashi Taggar organized and coordinated two-week duration national faculty development programme on "Entrepreneurship Development" sponsored by DST-NIMAT Project, GoI, from 6th - 17th December 2018.
6. Dr. Supran Kumar Sharma and Dr. Rashi Taggar organized Entrepreneurship Awareness Camp, Sponsored by DST-NIMAT Project, GoI from 27th-29th September, 2018.
7. Dr. Jyoti organized a two day training program on "Emotional Intelligence for Workplace Effectiveness" for IFS Officers funded by MoEF, GoI, New Delhi from 11th -12th October 2018.
8. Dr. Saurabh organized a training program on "Computer Skills for Effective Performance" for SMVDSB Employees, SMVD University from 7th -13th July 2018.
9. Dr. Saurabh organized a training program on "Computer Skills for Effective Performance" for SMVDSB Employees, at SMVD University from 4th-8th February 2018.
10. Dr. Deepak was a co-coordinator & Organising Secretary of a five day Faculty Development Program on "Research Methodology" from 8th - 12th October 2018.

8.6 Ph.D. Guided

1. Prof. (Dr.) D. Mukhopadhyay
 - Aanqa Moghal
 - Ravikant Agarwal

- Brig. Sujeet Shivaji Patil
 - Col. Anupam Agarwal
2. Dr. Ashutosh Vashishta
 - Rajan Badyal
 - Sajid Rather
 - Deepika Sharma
 3. Dr. Supran Sharma
 - Shravani,(Guided)
 - Sumeet Sangwan
 - B. Goswami
 - Rohit Singh
 4. Dr. Jyoti
 - Vibha Mahajan(Guided)
 - Poonam Mehta
 5. Dr. S.K. Mehta
 - Sonika Gupta(Guided)
 - Aijaz Ahmad Darr
 - Deepika Dhawan
 6. Dr. Saurabh
 - Divya Singh Jamwal(Guided)
 - Sunali Bindra
 - Rohit Bharadwaj
 7. Dr. H.G. Mishra
 - Shagun Chib
 8. Dr. Arti Maini
 - Sonali Heera
 - Ridhima Khajuria
 9. Dr. Rashi Taggar
 - Deepika
 - Rohit Bharadwaj
 10. Dr. Sanjay Kumar Mishra
 - Siddhartha Shankar Rai (Guided)
 - Guiding Ajaz Ul Islam (Pre Ph.D. Synopsis Done).
 11. Dr. Syeda Shazia Bukhari is co-guiding Ridhima Khajuria in the area Human Resource Analytics (Title to be finalized).
 12. Dr. Roop Lal is guiding:
 - Farid Ahmed
 - Meenu Sharma

- Ajay Sharma

13. Dr. Roop Lal has guided (Thesis submitted):

- Sahil Singh Jasrotia
- Malika Sharma
- Dinesh Kumar Pandey

14. Dr Deepak is Co-Guiding

- Sunali Bindra
- Co-Guiding Deepika

8.7 Students' Achievement

1. The innovation story 'Marking Overseas by Enabling Overseers' by the students of MBA 1st Semester of, School of Business, SMVDU has been published on AIM2Flourish (aim2flourish.com). MBA 1st Semester students:
 - Vitesta Sharma (18MMB051)
 - Anwar-ul-haq Kichloo (18MMB054)
 - Lovish Sthathia (18MMB018)
 - Abishek Banotra (18MMB053)
 - Baljeet Kour (18MMB011)under the supervision and mentorship of Dr. Saurabh, Associate Prof. School of Business, SMVDU.
2. Deepika, Entry No. 17DBU004, Ph.D. Student of SoB, received the best paper award in a Responsive Retailing: Success Mantra for Fashion Retail" in two day Doctoral Conclave held by School of Languages and Literature in SMVD University under the supervision of Dr. Rashi Taggar, Assistant Professor, SMVDU.
3. Abisha Gupta, Entry No.17MMB031 under the supervision of Dr. Syeda Shazia Bukhari got the best paper award for paper titled 'Importance of Aesthetic skills in Recruitment and selection' in an international seminar on 'Sustainable Rural Development in India: Issues, Opportunities and Challenges' organized by SOE , SMVDU on 9th March 2019.

School of Economics

1. Name of the School: School of Economics

2. Faculty Profile:

S.No.	Name of the Faculty Member	Designation	Qualification	Specialization
1.	Dr. Kakali Majumdar	Associate Professor	Ph.D.	Econometrics and Statistics
2.	Dr. Meenakshi Gupta	Assistant Professor	NET and PhD	Agriculture Economics, Statistics & Agriculture Marketing
3.	Dr. Pabitra Kumar Jena	Assistant Professor	Ph.D.	Macroeconomic Modeling & Applied Econometrics
4.	Dr. Kirtti Ranjan P.	Assistant Professor	Ph.D.	Climate Change & Development Economics
5.	Dr. Arif Billah Dar	Assistant Professor	Ph.D.	International Finance Macroeconomics
6.	Dr. D.P. Priyadarshi Joshi	Assistant Professor	Ph.D.	productivity measurement and classical political economy
7.	Dr. Gopinathan R.	Assistant Professor	Ph.D.	Financial Economics and Applied Econometrics

3. Details of 5 Year Intergreted M.Sc. Economics Students:

Batch	Admitted Students		
	Male	Female	Total
2018 Entry	04	23	27
2019 Entry	08	23	30

4. Details of Research Scholars:

Year 2018-19	Ph.D.		
	Male	Female	Total
Admitted 2018-19	01	03	04
Awarded 2018-19	Nil	Nil	Nil
Total Presently under Supervision	08	06	14

5. Degree Awardees:

Integrated M.Sc.: Pass out (2014 Batch)

6. Information About Each Faculty

6.1 Research Projects Initiated & Completed by the Faculty:

Title of the Project	Funding agency	Amount sanctioned	Status/Duration
Efficiency Analysis of Hill Agriculture: A Micro Level Study of Jammu and Kashmir	ICSSR	7 Lac	Ongoing
Indian Financial inclusion determenants inpediment.	ICSSR	2.7 Lac	Ongoing

6.2 Research Publications (with full details in APA Manual)

Book:

1. Dr. Kakali Majumdar, Dr. Kirtti Ranjan, Dr. Showkat A. Bhat. (2018) ICT initiation for Economic Development in India: Book well Publisher, New Delhi.

Paper Publications

1. Dar, Arif Billa (2019) "Do gold mining stocks behave like gold or equities? Evidence from the UK and the US", *International review of Economics and Finance*, 59 (01), 369-384, Elsevier, 1059-0560
2. Dar, Arif Billah (2018) "Globalisation–regionalisation debate in international crude oil markets: old wine in new bottle", *OPEC Energy Review* 42 (3) pp : 244-261 (Wiley) <https://doi.org/10.1111/opec.12136>
3. Bhanja, Niyati & Dar, Arif Billah (2018) "Stock returns and inflation; A tale of two periods in India" *Economic Change and Restructuring* <https://doi.org/10.1007/s10644-018-9231-z>

4. Bhanja, Niyati; Dar, Arif Billah & Tiwari, A K. (2018) "Do Global Crude Oil Markets Behave as One GreatPool? A Cyclical Analysis" *Journal of Business Cycle Research* doi.org/10.1007/s41549-018-0028-y (Springer)
5. Dar, Arif Billah & Bhanja, Niyati (2018): "Is China a Safe haven for Asian Tigers?" *Economic Change and Restructuring*. 51 (2) 113- 133.
6. Sahoo, Priyabrata & Paltasingh, Kirtti Ranjan (2019) "Examining Growth-Inequality nexus in post reform Odisha: A Sectoral Decomposition Analysis" *Journal of Development Policy and Practice*.
7. Paltasingh, Kirtti Ranjan. (2018) "Land Tenure Security and Adoption of Modern Rice Technology in Odisha, Eastern India: Revisiting Besley's Hypothesis" *Land Use Policy*, Vol. 78, pp. 236-244, 2018.
8. Paltasingh, Kirtti Ranjan & Goyari, Phanindra (2018) "Role of Education in Farm Production under Varying Technologies: Evidence from Paddy Growers in India", *Agricultural and Food Economics* Vol 6, No 7.
9. Paltasingh, Kirtti Ranjan & Goyari, Phanindra (2018) "Statistical Modeling of Crop-Weather Relations in India: A Survey on Evolutionary Trend of Methodology" *Asian Journal of Agriculture and Development*, Vol 15, Issue 1, pp. 44-61.
10. Joshi, D P Priyadarshi & Sahoo, Priyabrata (2018) "Productivity, employment and wages in organized manufacturing: A comparative study of Odisha and India" *The Empirical Economic Letters*, 2018, vol. 17 (7), pp. 871-884.
11. Sahoo, Priyabrata & Joshi, D P Priyadarshi (2018) "Growth and Structural change in Odisha", *Journal of Regional Development and Planning*, 2018, vol. 7 (1), pp. 17-30.
12. Jena, Pabitra Kumar & Mishra, Bikash Kumar (2019) 'Bilateral FDI Flows in four major Asian Economies: A gravity model Analysis', *Journal of Economic Studies Emerald*.
13. Mishra, Bikash Ranjan & Jena, Pabitra Kumar (2019) "Bilateral FDI Flows in Four Major Asian Economies: A Gravity Model Analysis", *Journal of Economic Studies*, Vol No. 46, Issue 1, pp. 71-88.
14. Jena, Pabitra Kumar; Mishra, Bikash Ranjan & Padha Vimrash (2018) "Foreign Direct Investment and the Macroeconomy in India", (Authors: The IUP Journal of Applied Economics, Vol No. 17, Issue 3, pp. 27-31.
15. Mujtaba, Aqib; Jena, Pabitra Kumar & Ahmed, Farid (2018) Determinants of Foreign Direct Investment Inflows in India and its Impact on GDP: An Empirical Analysis, *International Journal of Movement Education & Social Science*, Vol. No 7, Issue 2, pp. 15-22.

16. Subrahmanyam, Ganti & Jena, Pabitra Kumar (2018) "Possibility of Inter-Sector Money Demand Conflict: A General Note" Open Journal of Economics and Commerce, Vol. No 1, Issue 2, pp. 10-24.
17. Majumdar, Kakali; Ranjan, Kirtti & Bhat, Showkat A. (2018) "ICT and Economic Development: A Discussion with special reference to India", Edited Volume, ICT initiation for Economic Development in India, Book well Publisher, New Delhi 2018.
18. Sharma, Sonali & Majumdar, Kakali (2019) Efficiency and Sustainability of Agriculture: A Comparative Study of Rice Production of India and China, Edited Volume, Daya Publication, Sustainable Agriculture & Natural Resource Management Issues & Challenges, Daya Publishing House, New Delhi.
19. Sharma, Pearl; Majumdar, Kakali & Jena, Pabitra. "Cognitive Factors of International Trade Inflows & Foreign Direct Investment Inflows in BRICS Nations: Evidence from Gravity Model Analysis" Ajanta.
20. Bukhari, Syeda Shazia; Gupta, Meenakshi & Taggar Rashi, An Empirical Study on Employees Perception of Existing Flexible Work Practices and its Impact on their Performance, Amity Global HRM Review, An International Research Journal, 36-40.

6.3 Conferences/Workshops/Seminars/Short term Courses Attended

Conference Attended:

1. Dr. Arif Billah Dar attended an international conference on the topic titled "Sustainable Rural Development in India: Issues, Opportunities and Challenges" on 9th March 2019.
2. Dr. Arif Billah Dar attended an international conference on the topic titled "On Mechanical Engineering and Allied Science" from 14th – 15th September 2018.
3. Dr. Kakali Majumdar attended an international conference on the topic titled "Sustainable Rural Development in India: Issues, Opportunities and Challenges" on 9th March 2019 at SMVD University.

Workshop Attended :

1. Dr. Kakali Majumdar attended a training programme on "Agricultural Marketing: The new Paradigms from 30th -31st August 2018, SKUAST Jammu, as a resource person.
2. Dr. Kakali Majumdar attended an FDP on "Research Methodology" organized by Human Resource Development Center from 8th-12th October 2019 as a SMVDU resource person.
3. Dr. Kakali Majumdar was as an invited expert in the discussion on "Circular Economy for Productivity and Sustainability, organized by AIR Jammu on 9th February 2019.

4. Dr. Kakali Majumdar attended an FDP on "Research Marketing Research and Business Analytics with Econometric Applications in Business Management" from 16th -17th May 2019, School of Business, SMVDU, as a resource person.
5. Dr. Kakali Majumdar attended an FDP on "Research Methodology Using R & E-Views" from 21st -25th May 2019, organized by Faculty Development Centre, as an SMVDU resource person.
6. Dr. Meenakshi Gupta attended a "National Workshop on Reading and Writing for Public Relations and Corporate Communications" from 28th -30th January 2019 Media Cell, SMVDU.
7. Dr. Meenakshi Gupta attended a one week FDP on "Academic Writing: Theory & Praxis" from 1st - 6th November 2018, School of Languages and Literature, SMVDU.
8. Dr. Meenakshi Gupta attended the First Pan IIT International Management Conference-2018 from 30th November – 2nd December, 2018 at IIT Roorkee.
9. Dr. Meenakshi Gupta attended international seminar on "Sustainable Rural Development in India: Issues Opportunities and Challenges-2019" in association with NABARD.
10. Dr. Meenakshi Gupta attended one day international seminar on "Sustainable Rural Development in India: Issues Opportunities and Challenges" on 9th March 2019, SOE in association with NABARD.
11. Dr. Meenakshi Gupta attended a two day international conference on "Management Education: The road Ahead" from 6th -7th June 2019, SOB, SMVDU.

Short terms Course Attended:

1. Dr. Arif Billah Dar attended a three week refresher course on "Advances in Economics" organized by IGIDR from 25th June - 13th July, 2018.
2. Dr. Arif Billah Dar attended one month Faculty Residential Induction Program from 2nd January– 2nd February, 2019.
3. Dr. Arif Billah Dar attended one month "Residential Orientation program" from 1st-30th April 2019.

6.4 Conferences/Workshops/Seminars/Short term Courses Attended &

Presented Paper

1. Vimrash Padha & Pabitra Kumar Jena presented a paper, titled, "Monetary Policy and Financial Stability Associations in India: An Econometric Investigation" in 55th Annual Conference of The Indian Econometrics Society (TIES) from 8th -10th January 2019 National Institute of Security Markets (NISM), Mumbai.
2. Aqib Mujtaba & Pabitra Kumar Jena presented a paper, titled "An Econometric Analysis of CO2 Emissions, Electricity Consumption, Foreign Direct Investment

Inflows and Economic Growth in India” in 55th Annual Conference of The Indian Econometrics Society (TIES) from 8th-10th January 2019 National Institute of Security Markets (NISM), Mumbai.

3. Ishfaq Hamid & Pabitra Kumar Jena presented a paper, titled “Relationship between Foreign Direct Investment (FDI) Inflows and Macroeconomic Variables: Evidence from Time Series Analysis” in 55th Annual Conference of The Indian Econometrics Society (TIES) from 8th -10th January 2019 National Institute of Security Markets (NISM), Mumbai.
4. Mehak Kohli & Pabitra Kumar Jena presented a paper, titled “Measuring the Size of the Expenditure Multiplier in India: A Structural VAR Approach” in 55th Annual Conference of The Indian Econometrics Society (TIES) from 8th -10th January 2019 National Institute of Security Markets (NISM), Mumbai.
5. Snehin Gupta & Pabitra Kumar Jena presented a paper, titled “Monetary Policy Transmission Mechanism Channels in India: An Empirical Investigation” in 55th Annual Conference of The Indian Econometrics Society (TIES) from 8th -10th January 2019 National Institute of Security Markets (NISM), Mumbai.
6. Ishfaq Hamid & Pabitra Kumar Jena presented a paper, titled “Examining the Impact of Population Aging on Health Care Expenditure in India” in a two day International Conference on Management Education: Road Ahead from 6th -7th June 2019, School of Business, Shri Mata Vaishno Devi University, Katra, Jammu & Kashmir.
7. Arvind Kumar Yadav , Sandeep Kumar Tiwari & Pabitra Kumar Jena presented a paper, titled “Effects of Partners’ Education on Women’s Maternal Health Care Service Utilization in EAG States” in a two day International Conference on Management Education: Road Ahead, 6th-7th June, 2019, School of Business, Shri Mata Vaishno Devi University, Katra, Jammu & Kashmir.
8. Kirtti Ranjan P. & Pabitra Kumar Jena presented a paper, titled “Land Tenure Security and Farm Efficiency in Indian Agriculture” in a two day International Conference on Management Education: Road Ahead, 6-7th June, 2019, School of Business, Shri Mata Vaishno Devi University, Katra, Jammu & Kashmir.
9. Dr. Kakali Majumdar presented a paper in a two day international conference on “Management Education: The Road Ahead” from 6th -7th June 2019 at SMVDU.
10. Dr. Kakali Majumdar presented a paper in a national conference on “Innovative Management Practices for Rural Development”.
11. Dr. Meenakshi Gupta presented a paper on “Economic, social and Environmental Dimensions of Indian rural Development: Issues and Challenges” in one day international seminar on “Sustainable Rural Development in India: Issues Opportunities and Challenges”.

6.5 Conferences/ Seminars /Workshops/FDPs/MDPs Organized

1. Pabitra Kumar Jena organized one month Residential Induction Program for New Faculty at Faculty Development Centre, Shri Mata Vaishno Devi University, Katra, Jammu & Kashmir approved under Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching Scheme of Department of Higher Education, Ministry of Human Resource Development, Government of India from 2nd January to 1st February, 2019.
2. Pabitra Kumar Jena organized 37th Annual Conference of Indian Association for Research in National Income & Wealth (IARNIW) as Local Organizing Secretary at National Statistical Systems Training Academy (NSSTA), New Delhi from 7th-8th March, 2019.
3. Pabitra Kumar Jena organized four week Orientation Program for New Faculty as Coordinator at Faculty Development Centre, Shri Mata Vaishno Devi University, Katra, Jammu & Kashmir Approved under Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching Scheme of Department of Higher Education, Ministry of Human Resource Development, Government of India from 1st April - 30th April, 2019.
4. Pabitra Kumar Jena organized one week Faculty Development Programme as Coordinator at Faculty Development Centre, Shri Mata Vaishno Devi University, Katra, Jammu & Kashmir approved under Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching Scheme of Department of Higher Education, Ministry of Human Resource Development, Government of India from 21st May to 25th May, 2019.

6.6 Ph.D. Guided (2018-19)

S.NO	NAME OF THE SUPERVISOR	NAME OF STUDENT	ENTRY NO.
1	Dr. D.P. Priyadarshi Joshi	Farah Farooq Shah	18DSE001
2	Prof. B. Kamaiah & Dr. Pabitra Kumar Jena	Ashmita Kesar	18DSE002
3	Dr. Arif Billah Dar	Adil Ahmad Shah	18DSE003
4	Dr. Kirtti Ranjan & Dr. Pabitra Kumar Jena	Saroj	18DSE004

6.7 Students' Achievement

Vimarsh Padha (14IES040)

- RBI Policy Challenge 2018 and 2016, State winner and participated in the zonal round.
- V.V. Bhat Memorial Fellowship (2018) by EPW Research Foundation, Mumbai.
- First prize in national seminar on "Current Issues and challenges of Indian Economy", organized by School of Economics, SMVDU, Katra.
- First Prize in Case presentation in National Case Study Conference, SMVDU.
- UGC-NET

Tahir Fazal Choudhary (14IES046)

- UGC-NET

Snehin Gupta (14IES050)

- Won the RBI Policy Challenge Competition at the regional level & participated in the zonal round

Vanshika Sharma (14IES057)

- First prize in debate on Demonetization

Porvik Gupta (14IES028)

- Participated in North Indian Students' Parliament

Kanika Singh (14IES016)

- 3rd position in 6 kms marathon during Sarang 2018.
- 1st position in recitation Hindi Pakhwada 2018.
- 2nd position in mix relay (boys & girls) 800 mtrs during, Sarang 2018.

Simran Gupta (14IES042)

- 1st winner in event playing Annual Technical fest

Paras Dubey (14IES026)

- Secured first position in Inter University Debate Competition held at Shri Mata Vaishno Devi University on 21th March, 2018.
- Best Student Parliamentarian of Global Energy Parliament organized by Isa Viswa Prajnana Trust (Consultative status to the United Nation's ECOSOC) conducted at State Secretariat Assembly hall, Thiruvananthapuram, Kerala.
- Secured first position in Speech Competition organized under Hindi Pakhwada conducted by Shri Mata Vaishno Devi University.

Faculty of Sciences

School of Biotechnology

1. Name of the School: School of Biotechnology

2. Faculty Profile:

S. No.	Name	Designation	Qualification	Specialization
1	Prof. V. Verma	Professor & Head	Ph.D.	Plant Cytogenetics & Molecular biology
2	Dr. Sharada M. Potukuchi	Associate Professor & Academic Coordinator	Ph.D. Post Doc.	Plant Tissue Culture & Genetic Engineering
3	Dr. Ratna Chandra	Associate Professor	Ph.D., NET	Plant Genetic Engineering, Bt Transgenics
4	Dr. Anil Kumar	Assistant Professor	M. Phil., Ph.D., NET	Organic Chemistry
5	Dr. Preeti Sharma	Assistant Professor	Ph.D.	Microbial Biotechnology & Environmental Science
7	Dr. Shafaq Rasool	Assistant Professor	Ph.D.	Biotechnology
8	Mr. Parvez S. Slathia	Assistant Professor	M.Sc. NET	Bioinformatics & Fermentation
9	Mr. Arvind Yadav	Assistant Professor	BE, M. Tech.	Biochemical Engineering
10	Dr. Indu Bushan	Assistant Professor	Ph.D.	Biochemistry & Biotransformation
11	Dr. Vinod Singh	Assistant Professor	Ph.D. Post Doc.	Immunology
12	Dr. Swarkar Sharma	Assistant Professor	Ph.D. Post Doc.	Genetics and Genomics of Human Disorders, Next Generation Sequencing
13	Dr. Ekta Rai	Assistant Professor	Ph.D. Post Doc.	Molecular Genetics of Human Disorders, Diabetes
14	Dr. Rakesh Kumar	Assistant Professor	Ph.D. Post Doc.	Cancer Biology DNA Damage Response

15	Dr. Raju Shankarayan	Assistant Professor	M. Tech. Ph.D., NET	Biochemical Engineering & Biotechnology
16	Dr. Narender Bairwa	Assistant Professor	Ph.D. Post Doc.	Biotechnology & Genetics

3. Programmes Offered & Enrollment:

Session	M. Sc. (Biotechnology)	Ph. D.
2018-19	33	01
2019-20	36	03

4. Details of B. Tech. Students:

Batch	Admitted Students		
	Male	Female	Total
2018 Entry	NA	NA	NA

5. Details of M. Sc. Students:

Batch	Admitted Students		
	Male	Female	Total
2018-19	05	28	33
2019-20	07	29	36

6. Details of Research Scholars:

Year 2018-19	Ph.D.		
	Male	Female	Total
Admitted 2018-19 (Biotechnology)	0	01	01
Awarded 2018-19 (Biotechnology)	01	01	02
Total Presently under Supervision (Biotechnology)	05	25	30
Total Presently under Supervision (Chemistry)	02	02	03

7. Extension Lectures Delivered by Outside Experts in the School:

1. Prof. Ashok Pandey, distinguished Scientist at the Centre for Innovation and Translational Research, CSIR-Indian Institute of Toxicology Research, Lucknow, India and Executive Director (Honorary) at the Centre for Energy and Environmental Sustainability, India, delivered lecture on "Biomass to Biofuels: Production of Liquid Biofuels from Agro-industrial Residues" on 13th August 2018.
2. Prof. M.V. Deshpande, Emeritus Scientist and Professor AcSIR, Biochemical Sciences Division, CSIR-National Chemical Laboratory, Pune and Adjunct Professor School of Biotechnology, delivered lecture on "Opportunities in Biotechnology: Research and Development to Entrepreneurship; Enzymes and their applications; Applications of Fungi in Biotechnology Industries - Exploring the possibility of industrial application of the cloned genes from environmental samples; Historical developments in Microbial Biotechnology and Screening and improvement of industrially important microorganisms" from 23rd - 25th August 2019.

3. Prof. Bharat K.C. Patel, World renowned Scientist, Professor, Queensland University of Technology, Australia, delivered lecture on "Insight into the Culturomics of Anaerobic Thermophiles" on 14th December 2018.
4. Dr. Tej K. Pandita, World renowned Scientist and Researcher, Professor of Radiation Oncology, Institute for Academic Medicine, Houston Methodist, USA, delivered lecture on "DNA Damage and Repair" on 25th January 2019.
5. Prof. Ashok Pandey, Eminent Scientist at the Centre for Innovation and Translational Research, CSIR-Indian Institute of Toxicology Research, Lucknow, India and Executive Director (Honorary) at the Centre for Energy and Environmental Sustainability India, delivered lecture on "Downstream Processing of Industrial important Enzymes" from 14th - 15th February 2019.
6. Sh. O.P. Sharma, Director, Additional Principal Chief Conservator Forest and Director Ecology, Environment and Remote Sensing, Jammu & Kashmir delivered lecture on "Flowering plants of rural areas of Jammu region and their role in conservation of biodiversity" on 22nd April 2019.
7. Dr. Prashant Agarwal, CEO and Director, Ira Agrotech and Research Pvt. Ltd., Nagpur, Maharashtra & External Expert BoS of SoBT delivered lecture on "Entrepreneurship in Biomedical Products" on 22nd May 2019.

8. Degree Awardees:

B.Tech : 09

M.Sc. : 27

Ph.D. : 02

Names of Ph.D. Degree Awardees:

1.	Dr. Inderpal Singh (11PHDSBT02)
2.	Dr. Rashmi Saraswat (13PHDSBT10)

9. Information About Each Faculty

9.1 Research Projects Initiated & Completed by the Faculty:

S. No.	Project Title/ Endowment/Chair	Name of PI	Agency	Grant (Rs)
1.	Centre for Advance Research (CAR) entitled to Restraint or Regulate the Reproductive Health Issues of Human from J&K	Dr. Rakesh Kumar, Dr. Swarkar Sharma	ICMR, GoI	1000 Lac
2.	Bioinformatics Infrastructural Facilities	Prof. V. Verma	DBT, GoI	97.11 Lac
3.	Exploring Potentials of Probiotic Bacteria as a Potential Source of	Dr. Preeti Sharma	DBT, GoI	37.08 Lac

	Phytate Degrading Enzymes and Bacteriocins Production	Mr. Parvez S. Slathia		
4.	Genetic Diversity and Evolutionary Perspectives in Population Groups of Jammu & Kashmir	Dr. Swarkar Sharma, Dr. Ekta Rai	National Geographic Society	\$50,000
5.	Targeting Synthetic Lethality Interaction Among Genome Stability and Protein Degradation Pathways Medicated by sfc-e3 Ligase Component F-Box Proteins for Personalized Drug Development	Dr. Narendra Kumar Bairwa	DBT, GoI	82 Lac
6	Genetic Perspectives of Type 2 Diabetes Susceptibility in Population Group of Jammu & Kashmir, India	Dr. Swarkar Sharma	SERB, DST, GoI	27.26 Lac
7	Identification of Unique and Novel Alleles of Thermo Stable and Cold Active Lipases and Cellulases From Microflora of J&K State Using Metagenomic Approach Against J&K - Special Call	Prof. V. Verma, Dr. Shafaq Rasool	DBT, GoI	49.56 Lac
8	Bioactive molecules from endophytic microorganisms	Prof. V. Verma, Dr. Shafaq Rasool	UGC, GoI	13.90 Lac
9	Genetic Perspective of DNA Damage in Breast Cancer	Dr. Rakesh Kumar	DST, GoI	24.54 Lac
10	Genetics of Gastric Carcinoma in Ethnic Population of Kashmir	Ms. Ruchi Shah, Dr. Swarkar Sharma	DST, GoI	21.45 Lac
11	Molecular Characterization of Non-Small Cell Lung Carcinoma in Patients from Jammu and Kashmir	Dr. Rakesh Kumar	DST, GoI	90.01 Lac
12	Engineering of the Insulin-Producing Probiotic Yeast <i>Saccharomyces boulardii</i> and Exploration of its Applications as Therapeutics for Diabetes	Dr. Narendra K Bairwa	SERB, GoI	47.56 Lac
13	National Post-Doctoral Fellowship (NPDF)	Dr. Ankit Mahajan, Dr. Swarkar Sharma	SERB-DST, GoI	9.60 Lac
14	Special Assistance Programme - I	Prof. V. Verma, Dr. Sharada M. Potukuchi	UGC, GoI	84.00 Lac

15	Organocatalytic Asymmetric Mannich/Intramolecular Cyclization as Formal [3+2] Cycloaddition: One-Pot Synthesis of Substituted Pyrrolidine Ring Systems	Dr. Anil Kumar	UGC, GoI	6.17 Lac
16	Exploring Myxobacteria from the State of J&K for Novel Enzymes and Secondary Metabolites	Dr. Shafaq Rasool	DST, GoI	19.63 Lac
17	miRNA Status in Breast Tumors and Therapeutic Potential	Prof. R.N.K. Bamezai, Dr. Rakesh Kumar	DST, GoI	149.37 Lac
18	Exploring Microbial Diversity and Mining Novel Hydrolases from Brackish Water Lakes of Ladakh Region by Metagenomic Approach	Dr. Shafaq Rasool	CSIR, GoI	25.30 Lac
19	Cell and Tissue engineering of in vitro culture of Bacopa monnieri (L.) to Enhance biomass & Bacoside Production	Dr. Sharada M. Potukuchi	UGC, GoI	13.70 Lac
20	Molecular Modelling and Drug Docking Study on Cystathionine Beta Lyase in Pathogenic Members of Enterobacteriaceae	Mr. Pravez S. Slathia, Dr Preeti Sharma	UGC, GoI	1.60 Lac
22	Human Genetic Diversity and Evolutionary Perspectives of Type 2 Diabetes Susceptibility in Indian Populations	Dr. Swarkar Sharma	UGC, GoI	6.00 Lac
23	To Study Synergistic Effect of Dietary Molecules/Nutraceutical(s) in Combination With Clinically Validated Cancer Chemotherapeutic Agents	Dr. Samantha Vaishnavi	UGC, GoI	14.05 Lac
24	Fermentative Production of Lactic Acid from Mahua Flowers	Prof. V. Verma	TRIFED, GoI	14.49 Lac
25	Establishment of Herbal Garden - Trikuta Hills at SMVD, University	Dr. Sharada M. Potukuchi	NMPB, GoI	10.00 Lac
26	Development of DNA Fingerprints in Selected Medicinal Plants	Prof. V. Verma	Dabur, India	15.37 Lac
27	Strengthening of Botanical Garden at SMVDU	Dr. Dheeraj Vyas	MoEF, GoI	11.00 Lac

9.2 Research Publications (with full details in APA Manual)

1. Hakeem, Supriya; Singh, Inderpal; Sharma, Preeti; Uppal, Anshul; Khajuria, Yugal; Verma, Vijeshwar; Uversky, N. Vladimir & Chandra, Ratna (2018). Molecular dynamics analysis of the effects of GTP, GDP, and benzimidazole

derivative on structural dynamics of a cell division protein FtsZ from Mycobacterium tuberculosis, J. Biomolecular Structure and Dynamics, Taylor & Francis

2. Saraswat, Rashmi; Bhushan, Indu; Gupta, Pankaj; Kumar, Vivek & Verma, Vijeshwar (2018). Production and purification of an alkaline lipase from Bacillus sp. for enantioselective resolution of (\pm)-Ketoprofen butyl ester, 3 Biotech, Springer-Verlag GmbH Germany, part of Springer Nature.
3. Gupta V.; Singh I.; Kumar P.; Rasool S. & Verma V. (2019). A hydrolase with esterase activity expressed from a fosmid library prepared from DNA of a North West Himalayan glacier frozen soil sample, , 9:107, 3 Biotech, Springer Nature, Switzerland.
4. Verma S., Sharma V., Nagpal A., Bhat A., Bhat G.R., Shah R., Wakhloo A., Suri J., Abrol D., Koul S., Bhat A., Verma V. and Kumar R. (2018), DNA base excision repair (BER) genes variants rs 25487 (XRCC1 and rs1052133 (hOGG1) with susceptibility to ovarian cancer in the population of Jammu region-India, 65: 18R4, J. Cancer Res. and Therapeutics.
5. Sharma, Munish; Koul, Anuja; Ahuja, Ashok and Mallubhotla, Sharada. (2019), Suitability of bench scale bioreactor system for shoot biomass production and bacoside biosynthesis from Bacopa monnieri (L.), 1-7, Dol:doi.org/10.1002/elsc.201800184, Engineering Life Sciences, John Wiley, UK.
6. Singh, Nasseb; Dar, Alamgir Ahmad and Kumar, Anil; A Simple and Efficient Approach for the Synthesis of 1, 3-Oxazolidines from β -Amino Alcohols Using Grinding Technique, 2018, 3, 13675-13681 Chemistry Select.
7. Dar, Alamgir Ahmad; Sangwan, Payare L; Singh, Nasseb and Kumar, Anil. (2019), Method validation and simultaneous quantification of five triterpenoids from Codonopsis ovata by high-performance thin-layer chromatography, 32(3), 251-256, JPC-Journal of Planar Chromatography-Modern TLC.
8. Mahesh, R.; Sharma, Rupali; Kour, Parteek and Kumar Anil (2019), CeCl₃·7H₂O-catalysed hydrophosphonylation of aldehydes and ketones: An expeditious route to α -hydroxyphosphonates under solvent-free conditions, doi.org /10. 1080/10426507.2019.1633532, Phosphorus, Sulfur, and Silicon and the Related Elements.
9. Singh, Varun P; Sharma, Richa; Sharma, Vandana; Raina, Chand; Kapoor, Kamal K; Kumar, Anil; Chaubey, Asha; Singh, Deepika and Ram A Vishwakarma (2019), Isolation of depsipeptides and optimization for enhanced production of valinomycin from the North-Western Himalayan cold desert strain Streptomyces lavendulae, 72, 617-624, J. Antibiotics.
10. Slathia, P.S. and Sharma, P. (2018), Conserved epitopes in variants of amastin protein of Trypanosoma cruzi for vaccine design: A bioinformatics approach. 125: 423-430, Microbial Pathogenesis.

11. Raina, N.; Sharma, P.; Bhagat, D. and Slathia, P.S. (2018), Comparative studies for bioethanol production using agricultural and forest wood residue, 44: s126-s127, New Biotechnology.
12. Slathia, Parvez Singh; Raina, Neelu; Kiran, Asha; Kour, Rizem; Bhagat, Deepali and Sharma, Preeti. (2019). Dilute acid pretreatment of pine needles of *Pinus roxburghii* by response surface methodology for bioethanol production by separate hydrolysis and fermentation, *Biomass Conversion and Biorefinery*, Springer.
13. Bhushan, Indu; Saraswat, Rashmi; Gupta, Pankaj and Shah, Bhahwal A. (2018). Enantioselective resolution of 2-arylpropionic acid derivatives employing immobilization of lipase from *Bacillus subtilis* strain Kakrayal-1 (BSK-L); 269: 581-585, *Bioresource Technology*, Elsevier.
14. Bhat, Amrita; Shah, Ruchi; Bhat, Gh. Rasool; Verma, Sonali; Sharma, Varun; Sharma, Indu; Pandita, Monika; Bakshi, Divya; Sharma, Bhanu; Suri, Jyotsna and Kumar, Rakesh (2019), Association of ARID5B and IKZF1 Variants with Leukemia in Patients from Northern India, *Genetic Testing and Molecular Biomarkers*, Mary Ann Liebert, Inc., Publishers NY.

Book Chapters:

1. Gupta V., Nain S., Rasool S. and Verma V. (2019). *An efficient protocol for increased Fosmid Transformation in preparation of Metagenomic gene bank*. Green Biotechnology, Chapter 15, Page No. 223-228, Astral Publications, New Delhi.
2. Sharma, Savita; Singh, Vivek K.; Kumar, Anil and Mallubhotla, Sharada. (2019). *Effect of Nanoparticles on Oxidative Damage and Antioxidant Defense System in Plants*. *Molecular Plant Abiotic Stress: Biology and Biotechnology*, First Edition. Eds. Aryadeep Roychoudhury and Durgesh Kumar Tripathi; Chapter 17, pp 315-333; John Wiley & Sons Ltd. USA, UK.
3. Sharma, P.; Bhagat, D.; Raina, N.; Slathia, P.S. (2019). *Microbial Diversity of Aquatic Ecosystem and its Industrial Potential*. *Freshwater Microbiology: Perspectives of Bacterial Dynamics in Lake Ecosystems*. ISBN: 9780128174951. Elsevier Publishers.

9.3 Conferences/Workshops/Seminars/Short term Courses Attended & Presented Paper:

1. Prof. V. Verma, attended & presented a paper titled "Next Generation sequence analysis of the Metagenomic DNA for Microbiome biodiversity in soil from North Western Himalayas of J&K" at the 22nd Global Biotechnology Conference held at Stockholm, Sweden from 10th-11th September 2018.
2. Prof. V. Verma attended & presented paper "A Multiplex PCR assay to detect important human pathogens like *Shigella*, *Escherichia coli* and Shiga toxin-producing *E.coli* in milk" at International Conference on Research in life Sciences & Healthcare (ICRLSH) at Dubai from 27th -28th February 2019.

3. Dr. Sharada Mallubhotla delivered a keynote lecture on "Medicinal Plant Biotechnology in India" at international conference on Plant Science - 2018, organized by Allied Academies at Paris, France, from 15th -16th November 2018.
4. Dr. Sharada Mallubhotla delivered an oral presentation on "Annual Variation in the Production of Boeravinone B in Different Plant Parts of Boerhaavia diffusa L. - A Medicinally Important Herb" at International Conference on Plant Science - 2018, organized by Allied Academies at Paris, France from 15th -16th November 2018.
5. Shivi Badyal; Tanvi Sharma; Bhawani Sharma; Jyotsna Sharma; Savita Sharma; Raju Shankarayan; Arvind Yadav; Indu Bhushan and Sharada Mallubhotla, presented a poster on "Physical Characterization and Antimicrobial Activity Analysis of Nanoparticles Synthesized from Leaf Extracts of Kickxia ramosissima" at international conference on Bio-Innovation for Environmental and health Sustainable Developments (BEHSD-2018), organized by CSIR-Indian Institute of Toxicology Research, Lucknow from 27th-28th November 2018.
6. Dr. Sharada Mallubhotla presented a paper titled "Micropropagation of Selected Rare, Endangered and Threatened Taxa of J&K" at "Brainstorming Workshop on Rare, Endangered and Threatened Plant Taxa" organized by State Forest Research Institute at Forest Information Centre, Jammu on 2nd January 2019.
7. Jyotsna Sharma; Savita Sharma; Raju Shankarayan and Sharada Mallubhotla presented a paper titled "Exploration of the Traditionally Acclaimed Less Explored Antidiabetic Herb: Kickxia Ramosissima" at a two day international conference on Recent Advances on Interdisciplinary Sciences-2019, organized by Department of Electronics, University of Jammu from 11th -12th January 2019, pp: OP-63-LES, 122-123.
8. Dr. Sharada Mallubhotla presented a paper, titled "Biotechnology for Conservation of Medicinal Plant Species and Secondary Metabolite Production", at two day international conference on Recent Advances on Interdisciplinary Sciences-2019 organized by Department of Electronics, University of Jammu from 11th -12th January 2019; pp: Invited-08, xii-xiii.
9. Dr. Sharada M. Potukuchi presented a paper titled "Pros and Cons of IPR" at Faculty Awareness Program on Contemporary Research and IPR, organized by JNTUH College of Engineering, Hyderabad under TEQIP-III from 28th January-1st February 2019.
10. Dr. Sharada Mallubhotla delivered an invited lecture on "Gender Parity: Cause for Poorer Indian Women Contribution in Science and Technology" at National Seminar on Increasing Participation of Women in Science & Technology organized by Equal Opportunity Cell, Hans Raj Mahila Maha Vidyalaya, Jalandhar on 16th March 2019.
11. Jyotsna Sharma; Savita Sharma; Raju Shankarayan and Sharada Mallubhotla presented a paper on "Development of in vitro Conservation Protocol and Confirmation of Traditionally Acclaimed Medicinal Properties of Less Explored Medicinal Herb Nanorrhinum ramosissimum" at National Seminar on Increasing

Participation of Women in Science & Technology organized by Equal Opportunity Cell, Hans Raj Mahila Maha Vidyalaya, Jalandhar on 16th March 2019.

12. Dr. Anil Kumar presented a paper entitled "Development of New Octahedral Chiral-at-metal Catalysts in Organic Syntheses" at international conference on Materials Science and Engineering (ICMSE), organized by Department of Mechanical, NIT, Jalandhar in Collaboration with Govt. Women Engineering College, Ajmer and Indian Society of Mechanical Engineers from 11th -12th June 2019.
13. Dr. Anil Kumar presented a paper, entitled "Utility of Tris (1, 2-diphenylethylene diamine) cobalt (III) Complexes for Enantioselective Organic Synthesis" at international conference on Functional Materials and Simulation Techniques at Chandigarh University, Gharuan, Punjab from 7th -8th June 2019.
14. Dr. Preeti Sharma delivered oral presentation on "Optimization of Phytase Production by Lactic Acid Bacteria Isolated from Kalarei - A Fermented Milk Product" at international conference on Bio-Innovation for Environmental and health Sustainable Developments (BEHSD-2018), organized by CSIR-Indian Institute of Toxicology Research, Lucknow, from 27th-28th November 2018.
15. Dr. Preeti Sharma presented a paper, entitled "Optimization of fermentation conditions for production of extracellular phytase from Lactobacillus paracasei an isolate from fermented cheese product, Kalaeri" at international scientific conference on Probiotics, Prebiotics, Gut Microbiota and Health held at Prague Congress Centre, Prague, Czech Republic, from 17th-20th June 2019.
16. Mr. Parvez S. Slathia delivered an oral presentation on "Thermo-alkaline Pretreatment of Pine Needle Biomass of Pinus roxburghii for Bioethanol Production" at international conference on Bio-Innovation for Environmental and Health Sustainable Developments (BEHSD-2018), organized by CSIR-Indian Institute of Toxicology Research, Lucknow, from 27th -28th November, 2018.
17. Dr. Indu Bhushan delivered an oral presentation on "Synthesis of Silver Nanoparticles from Plant Extract for Antimicrobial Activity" at international conference on Bio-Innovation for Environmental and health Sustainable Developments (BEHSD-2018), organized by Indian Institute of Toxicology Research, Lucknow, from 27th -28th November 2018.
18. Dr. Rakesh Kumar delivered an invited talk on "Global Conference on Reproductive Health with focus on Occupational, Environmental and Lifestyle factors", held from 22nd - 24th February 2019 at JNU, New Delhi, India.
19. Dr. Narendra K. Bairwa attended "Pedagogy Workshop for Undergraduate Science Teachers" at Sheffield Hallam University, U.K., organized by CoESME, IISER, Pune & Supported by DBT, GoI & British Council at Jaipur from 28th Sepember - 1st October 2018 and made an oral presentation on "Biocontrol: Mitigation of Pesticide".
20. Prof. V. Verma attended a conference of DBT National Bioinformatics Network Meet at ICGEB, New Delhi from 28th - 29th August, 2018.

21. Prof. V. Verma participated in Industry Academia Interaction session in Workshop on "Current Status of Biopesticide Industry in India" organized by Greenvention Biotech Private Limited, Pune from 23rd - 27th July, 2018.
22. Prof. V. Verma attended 7th Indian Chitin and Chitosan Society Meeting organized by Indian Chitin and Chitosan Society and delivered an invited talk at CSIR-National Chemical Laboratory, Pune, from 11th - 13th October, 2018
23. Dr. Sharada M. Potukuchi attended BRM Training Center Foundational Laboratory Level BRM Workshop, held at Punjab University, Chandigarh by Sandia National Laboratories, Albuquerque, NM, USA, from 3rd - 7th June, 2019.
24. Dr. Anil Kumar attended "BRM Training Center Foundational Laboratory Level BRM Workshop", held at Punjab University, Chandigarh organized by Sandia National Laboratories, Albuquerque, NM, USA, from 3rd - 7th June, 2019.
25. Dr. Vinod Singh attended "Effective Teaching-Learning in Higher Education (FDP)", held at SMVDU, Katra, J&K, from 4th - 6th July, 2018.
26. Dr. Vinod Singh attended a workshop on Raman Spectroscopy and Micro Array Printing, held at School of Biotechnology, SMVDU, Katra, J&K, on 20th August 2018.
27. Dr. Vinod Singh attended 2018 NextGen Genomics, Biology, Bioinformatics and Technologies (NGBT) Conference, held at Jaipur, Rajasthan, from 20th September- 2nd October 2018.
28. Dr. Vinod Singh attended "5th International Conference on Recent Trends and Advancements in Engineering and Technology (ICRTAET-2018)" held at SMVDU, Katra, J&K, from 25th - 26th October, 2018.
29. Dr. Vinod Singh attended "45th Annual Meeting of the Indian Immunology (Immunotherapy and Advances in Immunology)", held at THSTI, Faridabad from 1st-3rd November, 2018.
30. Dr. Vinod Singh attended "Pedagogy (FDP)", held at SMVDU, Katra, J&K from 11th- 15th March, 2019.
31. Dr. Raju Shankarayan attended "Effective Teaching-Learning in Higher Education (FDP), organized by School of Architecture and Landscape Design (SALD)" in collaboration with School of Philosophy and Culture (SoPC), SMVDU, Katra, J&K, from 4th - 6th July 2018.
32. Dr. Raju Shankarayan attended a workshop on Raman Spectroscopy and Micro Array Printing, held at School of Biotechnology, SMVDU, Katra, J&K on 20th August 2018.
33. Dr. Raju Shankarayan participated and completed a two week refresher course on "Introduction to MATLAB and Research Enhancement Tools", funded by TEQIP-III, and supported by Math Works India, organized by School of Electronics and

Communication Engineering in collaboration with Human Resource Development Centre, SMVDU, Katra, J&K, 20th - 29th October 2018.

34. Dr. Raju Shankarayan attended a two week DST-NIMAT Project sponsored Faculty Development Program on "Entrepreneurship Development," organised by Entrepreneurship Development Cell, SMVDU, Katra, J&K, 10th-21st December 2018.
35. Dr. Raju Shankarayan successfully completed three month course, entitled Certification in French (Basic) organised by the School of Language and Literature, SMVDU, Katra, J&K, 20th September – 20th December 2018.
36. Dr. Raju Shankarayan attended a one week workshop on "Pedagogy" conducted and organised by Faculty Development Centre, SMVDU, Katra, J&K, under Pandit Madan Mohan Malaviya National mission on Teachers and Teaching (PMMMNTT) scheme of MHRD, GoI, 11th – 15th March 2019.
37. Dr. Raju Shankarayan attended one day national workshop on Bioinformatics on "Trends in Genomics and Proteomics", organized by School of Biotechnology, SMVDU, Katra, J&K, on 29th March 2019.

9.4 Conferences/ Seminars /Workshops/FDPs/MDPs Organized

1. Dr. Rakesh Kumar organized one day seminar on "Raman Spectroscopy" at SoBT on 20th August, 2018.
2. Dr. Ratna Chandra and Dr. Sharada M. Potukuchi organized a one week FDP on "Pedagogy" under PMMMNTT Scheme from 5th -9th March, 2019.
3. Dr. Rakesh Kumar organized JK-DST Sponsored Brain Storming Meeting on Maternal and Child Health on 12th March 2019.
4. Dr. Rakesh Kumar and Prof. V. Verma organized one day national workshop on "Trends in genomics and Proteomics" on 29th March 2019.

9.5 Ph.D. Guided (Thesis submitted during the period)

1. Mr. Varun Pratap Singh (11PHDSBC01)
2. Ms. Parateek Kour (12PHDSBC01)
3. Mr. Naseeb Singh (12PHDSBC02)
4. Ms. Ashna Nagpal (13PHDSBT04)
5. Ms. Jyotsna Sharma (13PHDSBT05)
6. Ms. Meenu Sharma (13PHDSBT06)
7. Ms. Arshia Anugrahal (14DBT001)
8. Ms. Ruchi Shah (14DBT004)
9. Ms. Sonali Verma (14DBT005)
10. Ms. Savita Sharma (14DBT008)
11. Ms. Indu Sharma (14DBT011)
12. Mr. Varun Sharma (14DBT012)
13. Ms. Verruchi Gupta (15DBT003)
14. Ms. Divya Bakshi (15DBT006)

9.6 Students' Achievement

1. Shoket, H.; Verma, V. and Bairwa, N. K. presented a paper titled "Novel role of YDR131C in Glycerol and MMS stress response" at 13th international conference on "LEVURE, MODELES & OUTLIS" from 11th - 14th September 2018 - Rheinau Switzerland.
2. Gupta, V.; Singh, I.; Rasool, S. and Verma V., presented a paper titled "Cloning & NGS analysis of gene encoding Asparaginase enzyme from a glacier in Northern western Himalayas, J&K, India" at third international conference on Clinical Metagenomics, Geneva, from 18th -19th October 2018, Campus Biotech, Geneva, Switzerland.
3. Angural, A.; Spolia, A.; Mahajan A.; Verma, V.; Pandita, K.K.; Rai, E. and Sharma S. "The Burden of Rare Disorders in Jammu and Kashmir – India" abstract presented at ISHG-2019: Genomics for Health and Precision Medicine from 30th January-1st February 2019 organized by National Institute of Biomedical Genomics (NIBMG) and University of Kalyani (KU), Kalyani, WB, India.
4. Ms. Jyotsna Sharma (13PHDSBT05) Ph. D. Scholar, SoBT, was awarded Young Scientist Award for an oral presentation at "National Seminar on Increasing Participation of Women in Science & Technology", organized by Equal Opportunity Cell, Hans Raj Mahila Maha Vidyalaya, Jalandhar on 16th March 2019.

School of Mathematics

1. **Name of the School:** School of Mathematics

2. **Faculty Profile:**

S.No	Name of the Faculty Member	Designation	Qualification	Specialization
1.	Dr. V.K. Bhat	Professor	Ph.D.	Ring Theory, Graph Theory
2.	Dr. Ananga Kumar Das	Associate Professor & Head	Ph.D.	Topology
3.	Dr. Uday Pratap Singh	Associate Professor	Ph.D., CSIR NET	Soft Computing, Nonlinear Dynamics
4.	Dr. Kuldeep Raj	Assistant Professor	Ph.D.	Functional Analysis, Operatory Theory
5.	Dr. Sandeep Bhogal	Assistant Professor	Ph.D.	Sequential Analysis
6.	Dr. Rakesh Kumar	Assistant Professor	Ph.D.	Operation Research
7.	Dr. Surender Singh	Assistant Professor	Ph.D., NET	Information Theory
8.	Dr. Sandeep Sharma	Assistant Professor	Ph.D.	Differential Geometry

3. **Details of M.Sc. Students:**

Batch	Admitted Students		
	Male	Female	Total
2018 Entry	5	34	39

4. **Details of Research Scholars:**

Year 2018-19	Ph.D.		
	Male	Female	Total
Admitted 2018-19	1	1	2
Awarded 2018-19	1	0	1
Total Presently under Supervision	5	10	15

5. **Extension Lectures Delivered by Outside Experts in the School:**

Resource Person	Topic of the Lecture	Date	Place

Prof. Deepanker Sengupta, Department of Economics, University of Jammu	The Use of Mathematics in Economics: Concepts and Techniques	20 th February 2019	SMVDU, Katra
Prof. Anand Prakash Singh, Ex-Head of Department, Central University of Rajasthan	Complex Analysis	23 rd January 2019	SMVDU, Katra
Mr. Balkrishan Shetty, IFS (Retd.)	What is Mathematics	30 th October 2018	SMVDU, Katra
Prof. Kuldeep Singh Charak, Department of Mathematics, University of Jammu	Complex Dynamics	28 th September 2018	SMVDU, Katra

6. Degree Awardees:

M.Sc. : 35

Ph.D. : 1

Names of Ph.D. Degree Awardees: Mr. Ram Krishan (12PHDSOM02)

7. Information About Each Faculty

7.1 Research Projects Initiated & Completed by the Faculty:

Title of the Project	Funding agency	Amount sanctioned	Status/Duration
Completely Prime Ideals of Skew Polynomial Rings	SERB-DST	Rs. 4,43,200/-	Ongoing
A study of ORLICZ Sequence Spaces and their operators	Council of Scientific and Industrial Research(India)	Rs.6.32 Lac	36 months
Transient Solutions of Markovian Queing Models with Customer Impatience and Retention of Reneged Customers	UGC, New Delhi	Rs. 9,89,000/-	Completed in June, 2018

7.2 Research Publications (with full details in APA Manual)

1. Bhat, Vijay Kumar; Singh, Pradeep and Dutta, Arun (2018), Transparency of Ore extensions over left σ -(S,1) rings, Bul, Acad, Stiinte Repub. Mold. Mat., No. 3(88), 14-21.

2. Das, K. (2018), "New Separation axioms on closure spaces generated by relation, Proceedings of the Jangjeon Mathematical Society" 21, No. 1. pp. 23 – 31.
3. Singh, U.P.; Chouhan, S.S. and Jain, S. (2019). "Multilayer Convolution Neural Network for the Classification of Mango Leaves Infected by Anthracnose Disease" IEEE Access (IEEE), doi:[10.1109/ACCESS.2019.2907383](https://doi.org/10.1109/ACCESS.2019.2907383).
4. Singh, U.P.; Jain, S.; Gupta, R.K., and Tiwari, A. (2019). "AFMBC for a Class of Nonlinear Discrete-Time Systems with Dead Zone", International Journal of Fuzzy Systems. 21(4), 1013–1025, doi.org/10.1007/s40815-019-00629-7.
5. Chouhan, S.S., Singh, U.P. and Jain, S. (2019). "Application of Computer Vision in Plant Pathology: A Survey", Archives of Computational Methods in Engineering, doi.org/10.1007/s11831-019-09324-0.
6. Singh, J.P., Jain, S., Arora, S. and Singh U.P. (2018). "Vision-Based Gait Recognition: A Survey," IEEE Access (IEEE), DOI: 10.1109 /ACCESS. 2018. 2879896.
7. Sakhre, V., Jain, S., and Singh U.P. (2018) "Fuzzy Induced Counter Propagation Neural Network (FCPN) for the Control of Reactive Distillation Column", Journal of Advanced Research in Dynamical & Control Systems.10(13), 184-192, (SCOPUS).
8. Agarwal, S., Singh, R.K., Singh, U.P., and Jain, S. (2019). "Biogeography Particle Swarm Optimization Based Counter Propagation Network for Sketch Based Face Recognition", Multimedia Tools and Applications. 78(8), 9801-9825 doi.org/10.1007/s11042-018-6542-z
9. Raj, K., Esi, A. & Pandoh, S. (2019). Applications of Riesz mean and lacunary sequences to generate Banach spaces and AK-BK spaces, An. Univ. Craiova Ser. Mat. Inform, 46(1), 150-163.
10. Raj, K. & Choudhary, A. (2019). Relative modular uniform approximation by means of power series method with applications, Rev. Un. Mat. Argentina, 60 (1), 187-208.
11. Raj, K. & Choudhary, A. (2019). Kothe-Orlicz vector-valued weakly sequence spaces of difference operators, Methods Funct. Anal. Topology, 25 (2) , 161-176.
12. Raj, K. & Sharma, C., (2019). Applications of non-newtonian calculus for classical spaces and Orlicz functions, Afr. Mat., 30 (1-2), 297-309.
13. Sharma, A. K.; Sharma, M. & Raj, K., (2019). Composition operators on the Dirichlet space of the upper half plane, New York J. Math., 25 (1), 198-206.
14. Raj, K., Anand, R., & Pandoh, S. (2019). Cesaro Orlicz sequence spaces and their Kothe Toeplitz duals, Math. J. Okayama Univ., 61(1), 141-158.
15. Raj, K. & Sharma, C., (2018). Essential norm of weighted composition operators, Analysis (Berlin), 38(3), 145-153.
16. Anand, R.; Sharma, C. & Raj, K., (2018). *Seminormed double sequence spaces of four dimensional matrix and Musielak-Orlicz function*, J. Inequal. Appl., (1), 2018:285.
17. Raj, K.; Pandoh, S. & Devi, M., (2018). *Orlicz b-metric spaces of infinite matrix and their Kothe Toeplitz duals*, J. Interdiscip. Math., 21 (7-8), 1587-1595.

18. Raj, K.; Mohiuddine, S. A. & Mursaleen, M. A. (2018). *Some generalized sequence spaces of invariant means defined by ideal and modulus functions in n-normed spaces*, Italian J. Pure Appl., 39(5), 579–595.
19. Raj, K.; Sharma, C. & Choudhary, A., (2018). *Applications of Tauberian theorem in Orlicz spaces of double difference sequences of fuzzy numbers*, J. Intell. Fuzzy Systems, 35 (2), 2513-2524.
20. Raj, K. & Kilicman, A. (2018). *Orlicz strongly convergent sequences with some applications to Fourier series and statistical convergence*, New Trends Math. Sci., 6 (1), 212-226.
21. Raj, K. & Anand, R., (2018). *On statistical convergence in generalized lacunary sequence spaces*, Bul. Acad. Ştiinţe Repub. Mold. Mat., 2 (87), 17-29.
22. Raj, K. & Sharma, C., (2018). *Some difference sequence spaces of infinite Matrix and Orlicz function*, Adv. Stud. Contemp. Math., 28 (3), 369-380.
23. Raj, K. & Khan, M. A., (2018) *A Method of Sliding Window Convergence of Measurable Functions via Orlicz Function*, Dynamics of Continuous, Discrete and Impulsive Systems Series A: Mathematical Analysis, 25 (1a), 53-66.
24. Sharma, Sapana; Kumar, Rakesh & Ammar, S.I. (2019). *Transient and steady-state analysis of a queuing system having customers' impatience with threshold*, RAIRO Operations Research, <https://doi:10.1051/ro/2018106>. France: EDP Sciences.
25. Sharma, Sapana; Kumar, Rakesh and Rykov, Vladimir (2019). *Transient solution of a heterogeneous queuing system with balking and retention of reneging customers*, Communications in Computer and Information Science, 1039, 330-346. Switserzeland.
26. Kumar, Rakesh; Sharma, Sapana and Gulab Singh Bura (2019). *Transient and steady-state behavior of a two heterogeneous servers' queuing system with balking and retention of reneging customers*, Performance Prediction and Analytics of Fuzzy, Reliability and Queuing Models, Asset Analytics, <http://doi.org/10.1007/98-981-13-085-4> 19, 251-614
27. Kumar, Rakesh and Soodan, Bhavneet Singh. (2019). *Transient analysis of a single-server queuing system with correlated inputs and reneging*, Reliability (Theory and Applications) 14, 1, 102-106. USA: Gnedenko Forum.
28. Singh, S. & Lalotra, S. (2018). *Generalized correlation coefficients of the hesitant fuzzy sets and the hesitant fuzzy soft sets with application in group decision-making*. Journal of Intelligent and Fuzzy Systems, 35(3), 3821-3833. IOS Press.
29. Singh, S. & Lalotra, S. (2018). *On a knowledge measure and an unorthodox accuracy measure of an intuitionistic fuzzy set(s) with their applications*. International Journal of Computational Intelligent Systems, 11(1), 1338-1356. Atlantis Press.
30. Singh, S.; Lalotra, S. & Sharma, S. (2019). *Dual Concepts in Fuzzy Theory: Entropy and Knowledge Measure*. International Journal of Intelligent Systems, 34(1), 1034-1059. Wiley Periodicals.

31. Singh, S. & Lalotra, S. (2018). On Generalized Correlation Coefficients of the Hesitant Fuzzy Sets with Their Application to Clustering Analysis. *Computational and Applied Mathematics*, 38(3), Article 11, 1-26. Springer Nature.
32. Sharma, S., Singh, S. (2018). On some generalized correlation coefficients of the fuzzy sets and fuzzy soft sets with application in cleanliness ranking of public health centres. *Journal of Intelligent and Fuzzy Systems*, 36(4), 3671-3683. IOS Press.

7.3 Conferences/Workshops/Seminars/Short term Courses Attended

1. V.K. Bhat attended international conference on Mathematician (ICM)-2018 from 1st -9th August 2018 RIO De Janiro
2. V.K. Bhat attended 84th Annual Conference of IMS 2018 from 27th -30th November 2018 at SMVDU.
3. A.K. Das completed AICTE approved FDP (FDP201x) on "Pedagogy for Online and Blended Teaching-Learning Process" conducted by IIT Bombay.
4. A.K.Das, participated in the Professional Development Training (FDT) under TEQIP-III at IIM, Raipur from 13th -15th September 2018.
5. A K. Das participated and organized 84th Annual Conference of Indian Mathematical Society (IMS) at SMVDU from 27th -30th November 2018.
6. A K. Das participated and delivered an invited talk in the 5th Annual Conference in Mathematics on "Recent Developments on Algebra and Analysis" organized by GGM Science College, Jammu from 13th -14th December 2018.
7. Uday Pratap Singh participated in the Professional Development Training (FDT) under IIM Trickhy from 4th -8th December 2018.
8. Kuldip Raj participated in "Professional Development Training" under TEQIP-III from 26th -30th March, 2019 at Indian Institute of Management, Raipur.
9. Kuldip Raj participated in one week workshop on "Professional Ethics & Human Values-A Gandhian Perspective", from 11th -15th March, 2019 by Faculty Development Centre, SMVD University
10. Sandeep Bhogal attended a Faculty Development Program, at School of Architecture and Landscape Design (SALD), SMVDU, Katra from 4th -6th July, 2018.
11. Sandeep Bhogal attended a Faculty Development Program, School of Mathematics, Shri Mata Vaishno Devi University, Kakryal, Katra, from Jammu, 21st -25th January, 2019.
12. Sandeep Bhogal attended and presented a paper in 84th annual conference of Indian Mathematical Society: An International Meet, School of Mathematics, Shri Mata Vaishno Devi University, Kakryal, Katra, Jammu from 27th -30th November 2018.
13. Rakesh Kumar attended a two month NPTEL-AICTE approved Faculty Development Programme on "Introduction to Operations Research" from IIT Madras during August-September, 2018.

14. Rakesh Kumar attended a two week refresher course on "Introduction to MATLAB and Research Enhancement Tools" at SECE in collaboration with HRDC, SMVDU, Katra from 20th -29th October, 2018.
15. Rakesh Kumar attended a three day Faculty Development Program on "Effective Teaching-Learning in Higher Education" from 4th -6th July, 2018 at SMVDU, Katra.
16. Rakesh Kumar attended an international conference on "Recent Inventions and Innovations in Mathematical Sciences" from 28th February-1st March, 2019 at the Department of Applied Mathematics, Andhra University, Visakhapatnam.
17. Rakesh Kumar attended the 27th international conference of forum for interdisciplinary Mathematics in conjunction with the 3rd convention of IARS on "Interdisciplinary Mathematics, Statistics, and Computational Techniques" from 2nd -4th November, 2018 at the Department of Statistics, University of Jammu.
18. Rakesh Kumar attended the TEQIP-III funded two week refresher course on Introduction to MATLAB and Research Enhancement Tools at SECE in collaboration with H.R.D.C. (S.M.V.D.U., Katra) from 13th -22nd July, 2018.
19. Rakesh Kumar attended the 26th International Science Conference on Computer Networks at Gliwice, Poland, from 25th -27th June, 2019.
20. Surender Singh participated in FDP on "Effective Teaching-Learning in Higher Education" at Faculty Development Centre, SMVDU, Katra from 4th -6th July, 2018.
21. Surender Singh participated in one week FDP on "Teaching Sciences and Mathematics" at Faculty Development Centre, SMVDU, Katra from 21st-25th January, 2019.
22. Surender Singh attended "Training of Trainers Workshop on UGC-Faculty Induction Programme (FIP)" at IISER, Pune, from 27th -29th March, 2019.
23. V.K. Bhat, presented a paper titled "One Sided σ -(S,1) rings" in a national conference from 4th - 5th October 2018 at Central University of Jammu.
24. V.K. Bhat, presented a paper on "Zero divisor graphs and its applications" in a national seminar from 28th - 30th March 2019 at Jammu University.
25. V.K. Bhat presented a paper on "Zero Divisor Graph and its Vertex Connectivity" in international conference on Geometric and Asymptotic Group Theory with Applications, GAGTA-2019 w.e.f. 26th - 30th May, 2019 at Bar Ilan University, RamatGan, Israel.
26. A K. Das delivered an invited talk in the 5th annual conference in Mathematics on "Recent Developments on Algebra and Analysis" organized by GGM Science College, Jammu from 13th -14th December 2018.
27. A.K. Das delivered an invited lecture in one week Faculty Development Programme (FDP) on "Teaching Science and Mathematics" under PMMNMTT scheme of MHRD, GOI organized by Faculty Development Centre, Shri Mata Vaishno Devi University, J&K from 21st -25th January 2019.

28. A K. Das delivered two invited lectures on 27th February 2019 in the "Refresher Course in Mathematical Sciences" from 12th February - 4th March, 2019 organized by Department of Statistics in collaboration with UGC- HRDC, University of Jammu.
29. Uday Pratap Singh participated in DST Sponsored national conference on "Fractional Calculus, Special Functions and their Applications in Computer Science in the Title Sector Nonlinearity Based Fuzzy Model" organized by Ramanujan Society of Mathematics and Mathematical Sciences on 10th November 2018.
30. Uday Pratap Singh participated in DST Sponsored national workshop on "Science Fare Creating Awareness, Interest, Motivation in Science and Mathematics in the Title Formal Language and Abstract Machines" organized by Ramanujan Society of Mathematics and Mathematical Sciences on 12th November 2018.
31. Uday Pratap Singh participated in national conference organized by Bharata Ganita Parisad at Lucknow University in the Title Nature Inspired Optimization Techniques organized by Bharata Ganita Parisad on 11th November 2018.
32. Uday Prtap Singh participated in two week winter school for engineering stream in the Title Applications of Nature Inspired Optimization Techniques organized by Faculty Development Centre, Shri Mata Vaishno Devi University, Katra.
33. Uday Prtap Singh participated in Faculty Development Program on "Teaching Sciences and Mathematics" in the Title Convergence Analysis of PSO organized by Faculty Development Centre, Shri Mata Vaishno Devi University, Katra on 21st -25th January 2019.
34. Uday Prtap Singh participated in one week FDP on "Research Methodology using R&E Views in the Title How to write good Research Paper" organized by Faculty Development Centre, Shri Mata Vaishno Devi University, Katra, on April 2019.
35. Kuldip Raj participated in the 5th annual national conference in Mathematics on "Recent Developments in Algebra and Analysis" and presented a paper entitled "Applications of matrix transformation to compute toeplitz duals of lacunary sequence spaces" at Department of Mathematics, G. G. M Science College, a constitute college of Cluster University of Jammu from 13th -14th December, 2018.
36. Kuldip Raj participated in the "84th Annual conference of Indian Mathematical Society: An International Meet", and presented a paper entitled "Weakly Kothe Orlicz Sequence spaces" at School of Mathematics, Shri Mata Vaishno Devi University, Katra, J&K, from 27th -30th November, 2018.
37. Kuldip Raj participated in a national conference on "Recent Advances in Mathematics" and delivered a talk on "Applications of non-newtonian calculus for classical spaces and Orlicz functions" at Department of Mathematics, Central University of Jammu, Jammu, from 4th – 5th October, 2018.
38. Kuldip Raj participated and chaired a session in TEQIP-III sponsored international conference on "Mechanical Engineering and Allied Sciences" 2018 (ICMEAS-2018)

at School of Mechanical Engineering, Shri Mata Vaishno Devi University Katra, India from 14th -15th September, 2018.

39. Rakesh Kumar delivered an invited talk on queuing models with retention of impatient customers in the international conference on "Recent Inventions and Innovations in Mathematical Sciences" from 28th February -1st March, 2019, at the Department of Applied Mathematics, Andhra University, Visakhapatnam.
40. Rakesh Kumar delivered an invited talk on Applications of Queuing Systems with customers' impatience in 27th international conference of Forum for Interdisciplinary Mathematics in conjunction with the 3rd convention of IARS on Interdisciplinary Mathematics, Statistics, and Computational Techniques from 2nd - 4th November, 2018 at the Department of Statistics, University of Jammu.
41. Rakesh Kumar delivered an invited talk on "Data Interpretation in Research Methodology" in the TEQIP-III funded two week refresher course on "Introduction to MATLAB and Research Enhancement Tools" at SECE in collaboration with H.R.D.C. (S.M.V.D.U., Katra) from 13th -22nd July, 2018.
42. Rakesh Kumar attended the 26th international science conference on Computer Networks at Gliwice, Poland from 25th -27th June, 2019 and Presented Paper, "Transient solution of a heterogeneous queuing system with balking and retention of reneging customers".
43. Surender Singh chaired a session in "International Conference on Mechanical Engineering and Allied Sciences" at School of Mechanical Engineering, SMVDU, Katra, from 24th -15th September, 2018.
44. Surender Singh attended 84th annual conference of Indian Mathematical Society: An International Meet and presented paper titled "On useful fuzzy knowledge measure and accuracy measure" at School of Mathematics, SMVDU, Katra, from 27th -30th November, 2018.
45. Surender Singh attended an international conference on "Advances in Basic Sciences" and presented paper titled "Concept of Certainty in Residual Life of a System" at GDC Memorial College, Bahal, Bhiwani (Haryana), from 7th -9th February, 2019.

7.4 Conferences/Seminars/Workshops/FDPs/MDPs Organized

1. A K. Das organized 84th annual conference of Indian Mathematical Society (IMS) at SMVDU from 27th -30th November 2018 as Local Organizing Secretary.
2. Uday Pratap Singh organized an FDP on "Teaching Sciences and Mathematics" at FDC-SMVDU, sponsored by MHRD, GOI from 21st -25th January 2019 as Coordinator.
3. Uday Pratap Singh organized an expert lecture on "Complex Dynamics" by Prof. A.P. Singh, Central University Rajasthan sponsored by School of Mathematics, SMVDU, Katra, by SMVDU on 23rd January 2019.

4. Rakesh Kumar worked as an organizing committee member, of 84th annual conference of Indian Mathematical Society, Shri Mata Vaishno Devi University, India, from 27th -30th November, 2018.

7.5 Ph.D. Guided

1. Dr. V.K. Bhat 08 (Awarded) and 02 (Continuing)
2. Dr. A. K. Das 01 (Awarded) and 02 (Continuing)
3. Dr. Uday Pratap Singh 03 (Continuing)
4. Dr. Kuldeep Raj 02 (Thesis Submitted) 03 (Continuing)
5. Dr. Sandeep Bhougal 01 (Continuing)
6. Dr. Rakesh Kumar 02 (Awarded), 01 (Thesis Submitted), 01(Continuing)
7. Dr. Surender Singh 03 (Continuing)

School of Physics

1. **Name of the School:** School of Physics

2. **Faculty Profile:**

S.No.	Name of the Faculty Member	Designation	Qualification	Specialization
1	Dr. Ashok Kumar Sharma	Professor	M.Sc., MPhil, Ph.D.	Space Physics; Astronomy; Seismology and thin films
2	Dr. Yugal Khajuria	Associate Professor	Ph.D.	Atomic and Molecular Physics
3	Dr. S.K. Wanchoo	Associate Professor	Ph.D.	Geophysics, Electronics, TEL
4	Dr. Jitendra Sharma	Assistant Professor	Ph.D.	Materials Science
5	Dr. Kamni	Assistant Professor	Ph.D.	Materials Science/X-ray Crystallography
6	Dr. Vivek Kumar Singh	Assistant Professor	Ph.D.	Laser and Spectroscopy
7	Dr. Ram Prakash	Assistant Professor	Ph.D.	Materials Science
8	Dr. Pankaj Biswas	Assistant Professor	M.Sc., Ph.D.	Electronics Materials Science
9	Dr. Surender Pratap	Assistant Professor	Ph.D. (Post-Doc)	Theoretical Condensed Matter Physics
10	Dr. Onkar Nath Verma	Assistant Professor	M.Sc., Ph.D.	Electronics and Experimental Condensed Matter Physics

3. **Programmes Offered & Enrollment:**

B.Tech.	M.Tech.
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4. **Details of B.Tech. Students:**

Batch	Admitted Students		
	Male	Female	Total
2018 Entry	--	--	--

5. **Details of M.Tech./M.Sc./M.A. Students:**

Batch	Admitted Students		
	Male	Female	Total

2018 Entry	17	36	53
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6. Details of Research Scholars:

Year 2018-19	Ph.D.		
	Male	Female	Total
Admitted 2018-19	0	2	2
Awarded 2018-19	1	1	2
Total Presently under Supervision	2	8	10

7. Extension Lectures Delivered by Outside Experts in the School:

1. Prof. Prabhakar Singh delivered a special lecture on "Dynamics of Charge Particles in Crystalline and Amorphous Materials Probed by Conductivity Spectroscopy" at SMVDU on 10th August, 2018.
2. Dr. Venkatesh Singh delivered a special lecture on "Neutrinos: A Ghost Particle" at SMVDU on 7th January, 2019.
3. Prof. A. Srinivasan delivered a special lecture on "Synthesis and Characterization of Nanomaterials" at SMVDU on 5th March, 2019.
4. Prof. A. Srinivasan delivered a special lecture on "Spintronics – A new Paradigm in Electronics" at SMVDU on 7th March, 2019.
5. Prof. D.V. Ahluwalia delivered a ten-hour session on "Electromagnetic Theory" at SMVDU from 7th -18th January, 2019

8. Degree Awardees:

Ph.D. : 2

Names of Ph.D. Degree Awardees:

1. Sandeep Kumar 12PHDSOP03
2. Neharika 14DPH002

9. Information About Each Faculty

9.1 Research Projects Initiated & Completed by the Faculty:

Title of the Project	Funding agency	Amount sanctioned	Status/Duration
Synthesis and study of electronic structure of transition metal doped and undoped Eu ₂ O ₃ thin	DAE CSR, Indore	Rs. 8,83,360/-	Completed/ 4 years (May, 2015 to March 2019)

films (PR-82) PI- Dr. Ram Prakash			
Physics of earthquakes and delineation of Himalayan Thrust Faults in Jammu and Kashmir: PI – Dr. S. K. Wanchoo	UGC, New Delhi	Rs. 13,70,000/-	Completed 2015-2018
Estimation of Deformation Rate in Jammu and Kashmir and Himachal Himalaya using NavIC Geodesy: PI – Dr. S. K. Wanchoo	SAC, ISRO, Ahmedabad	Rs. 36,80,000/- plus equipment worth Rs. 74,19,600/- on loan	Ongoing 2017-2020
Increasing resilience to Earthquakes in North India: PI: Prof. James Jackson, University of Cambridge, UK Collaborator – Dr. S. K. Wanchoo	Royal Society International Collaboration Award, Royal Society London	Rs.1.5 Crores	Ongoing 2018-2021

9.2 Research Publications (with full details in APA Manual)

1. Gurav, B; Sharma, A. K.; Ghodpage, R N; Nade, D P; Chavan, G A; Gaikwad, H P; Patil, PT (2018), "Zonal drift velocity of Equatorial Plasma Bubbles during ascending phase of 24th solar cycle using All Sky Imager over Kolhapur, India." JGR: Space Physics, 123. <https://doi.org/10.1029/2018JA025810>.
2. Sharma, A. K.; Potdar S. S.; Yewale, M.A.; Kamble, Deepak B.; Pakhare, K.S.; Sargar, B.M.; Rokade, M.V. & Patil U.M. (2019). "Influence of bath temperature on microstructure and NH₃ sensing properties of chemically synthesized CdO thin films", Material Science-Poland, DOI: 10.2478/msp-2019-0002.
3. Gaikwad, H.P; Sharma, A.K.; Gurav, O.B.; Chavan, G.A.; Nade, D.P.; Patil, P.T.; Nikte, S.S.; Naniwadekar, G.P. (2018) "Seasonal, annual and inter-annual variability in MLT Quasi Two Day Waves over low latitude region Kolhapur (16.8° N; 74.2° E)", Advances in Space Research, 2019, ISSN 0273-1177, <https://doi.org/10.1016/j.asr.2018.12.029>.
4. Sharma, A.K.; Gurav, O.B.; Bose, Anindya; Gaikwad, H.P.; Chavan, G.A.; Santra, Atanu; Kamble, S.S. & Vhatkar, R.S. (2019) "Potential of IRNSS/NavIC L5 signals for ionospheric studies", Advances in Space Research, 2019, ISSN 0273-1177, <https://doi.org/10.1016/j.asr.2019.01.029>.
5. Gurav, Onkar B; Narayanan, Viswanathan L; Sharma, A.K.; Ghodpage, Rupesh N; Gaikwad, Heramb P & Patil, Parashram T (2019) "Airglow imaging observations of

some evolutionary aspects of equatorial plasma bubbles from Indian sector”, *Advances in Space Research*, <https://doi.org/10.1016/j.asr.2019.04.008>.

6. Khursheed, Sumara, Biswas, Pankaj; Singh, Vivek K.; Kumar, Vinay; Swart, H.C. & Sharma, Jitendra. (2019) Synthesis and Optial Studies of KCaVO₄:Sm³⁺/ PMMA nanocomposites, *Vacuum* 159, pp. 414–422.
7. Phase, D.M.; Panchal, G.; Rawat, R.; Tiwari, S.; Prakash, Ram; Jain, D.; Choudhary, R.J. (2019); Anomalous magnetic properties of Fe₃O₄ nanostructures on GaAs substrate probed using X-ray magnetic circular dichroism; *Journal of Magnetism and Magnetic Materials* 282 (2019) 296-300. DOI: <https://doi.org/10.1016/j.jmmm.2019.03.041>
8. Mahajan, Rubby; Kumar, S.; Prakash, Ram; Kumar, V.; Choudhary, R.J. & D. M. Phase (2019); X-ray photoemission and spectral investigations of Dy³⁺ activated magnesium pyrophosphate phosphors; *Journal of Alloy and Compounds* 777:562-571. DOI: <https://doi.org/10.1016/j.jallcom.2018.10.355>
9. Mahajan, Rubby; Kumar, S.; Prakash, Ram; Kumar, V. (2018); “Synthesis and luminescent properties of Sm³⁺ activated lithium zinc borate phosphor” AIP Conference Proceedings 2006, 030045; DOI: <https://doi.org/10.1063/1.5051301>
10. Kamni (2019), Spectroscopic, thermodynamic properties and Fukui Function analysis of (4Z)-2-phenyl-1-[(E)-[4-propan-2-yl) benzylidene]amino}-4-[(thiophen-2-yl)methylidene] -1H-imidazol-5(4H)-one} *Journal of Molecular Structure* 1179 76e85.
11. Koul, Anuja; Kumar, Anil; Singh, Vivek K.; Tripathi, Durgesh K. & Mallubhotla, Sharada. (2018). “Exploring Plant Mediated Copper, Iron, Titanium, and Cerium oxide nanoparticles and their Impacts,” in D.K. Tripathi et al. (eds.), *Nanomaterials in Plants, Algae and Micro-organism: Concepts and Controversies*, Volume 1, Elsevier B.V., Chapter 08, pp 175-194. <http://dx.doi.org/10.1016/B978-0-12-811487-2.00008-6>
12. Sharma, N.; Khajuria, Y.; Sharma, J.; Tripathi, D.K.; Chauhan, D.K.; Singh, V.K.; Kumar, V. & Singh, V.K. (2018). “Microscopic, elemental and molecular spectroscopic investigations of root-knot nematode infested okra plant roots”. *Vacuum*, 158:126-135. <https://doi.org/10.1016/j.vacuum.2018.09.039>
13. Singh, V.K.; Tripathi, D.K.; Mao, X.; Russo, R. & Zorba, V. (2019). “Elemental mapping of lithium diffusion in doped plant leaves using LIBS”. *Applied Spectroscopy*, 73:387-394. <https://doi.org/10.1177/0003702819830394>
14. Jaswal, B.B.S.; Rai, P.K.; Singh, T.; Zorba, V. & Singh, V.K. (2019). “Detection and quantification of heavy metal elements in gallstones using X-ray fluorescence spectrometry” *X-Ray Spectrometry*, PP 1-10. <https://doi.org/10.1002/xrs.3010>
15. Saraswat, R., Bhushan, I., Gupta, P., Singh, V.K., Verma, V. (2018). “Production and purification of an alkaline lipase from *Bacillus* sp. for enantioselective resolution

of (\pm)-Ketoprofen butyl ester. 3 Biotech" 8:491. <https://doi.org/10.1007/s13205-018-1506-6>

16. Singh, J., Vishwakarma, K., Ramawat, N., Rai, P., Singh, V.K., Mishra, R.K., Kumar, V., Tripathi, D.K., & Sharma, S. (2019). "Nanomaterials and microbes' interactions: a contemporary overview". 3 Biotech, 9:68. <https://doi.org/10.1007/s13205-019-1576-0>
17. Singh, V.K., Sharma, J., Pathak, A.K., Ghany, C.T., & Gondal, M.A. (2018). "Laser-induced breakdown spectroscopy (LIBS): a novel technology for identifying microbes causing infectious diseases", Biophysical Reviews, 10:1221-1239. <https://doi.org/10.1007/s12551-018-0465-9>
18. Khursheed, Sumara; Biswas, Pankaj; Singh, Vivek K.; Kumar, Vinay; Swart, H.C. & Sharma, Jitendra (2019) "Synthesis and optical studies of KCaVO₄:Sm³⁺/PMMA nanocomposites", Vacuum 159:414–422.
19. Sharma, Neha; Khajuria, Yugal; Sharma, Jitendra; Tripathi, Durgesh K.; Chauhan Devendra K.; Singh, Virendra K.; Kumar, Vinay; Singh, Vivek K. (2018) "Microscopic, elemental and molecular spectroscopic investigations of rootknot nematode infested okra plant roots", Vacuum 158:126–135.
20. Neharika; Sharma, J.; Sharma, Vishal; Bedyal, A.K.; Swart, H.C. & Kumar, Vinay (2018) "Synthesis and thermoluminescence studies of UV-C exposed Li₄Ca(BO₃)₂:Dy³⁺ phosphors", Vacuum 156:370–374.
21. Singh, Vivek K.; Sharma, Jitendra; Pathak, Ashok K.; Ghany, Charles T & Gondal M.A. (2018) "Laser-induced breakdown spectroscopy (LIBS): a novel technology for identifying microbes causing infectious diseases", Biophys Rev. 10:1221–1239.
22. Paul, Himangshu; Priestley, Keith; Powali, Debarchan; Sharma, Swati; Mitra Supriyo & Wanchoo, Sunil. (2018). Signatures of the Existence of Frontal and Lateral Ramp Structures Near the Kishtwar Window of the Jammu and Kashmir Himalaya: Evidence From Microseismicity and Source Mechanisms,; Vol. 19, Issue 9, PP 3097-3114 (2018).

9.3 Conferences/Workshops/Seminars/Short term Courses Attended & Presented Paper

1. Dr. Ashok K. Sharma participated in one day seminar on "Raman Spectroscopy and Micro Array Printing" organized by School of Biotechnology, SMVDU, Katra on 20th August, 2018.
2. Dr. Ashok K. Sharma participated in one day seminar on "Communication Skills Required for Teaching" organized by Faculty Development Centre at SMVDU, Katra on 15th December. 2018.

3. Dr. Ashok K. Sharma completed a DST-NIMAT project sponsored by Faculty Development Programme on "Entrepreneurship Development" organized by Entrepreneurship Development Cell at SMVDU from 10th -21st December, 2018.
4. Dr. Ashok K. Sharma participated in a national workshop on "Advances in Clean Energy Conversion Technologies and Materials for Energy Storage Applications" organized by School of Mechanical Engineering, SMVDU and Jawaharlal Nehru Technological University, Hyderabad sponsored by DST, SERB and TEQIP-III from 24th -25th January, 2019.
5. Dr. Pankaj Biswas presented an oral talk on "Green Emitting K₂SrVO₄:Tb³⁺ nanophosphor: Structural and Spectral Investigations" in international conference on Recent Trends and Advancements in Engineering and Technology (ICRTAET-2018) held at SMVDU, Katra, J&K from 25th -27th October, 2018.
6. Dr. Pankaj Biswas presented an oral talk on "Structural and Photoluminescence Studies of LiSrVO₄:Tb³⁺ Nanophosphor for Imaging Devices" in the 9th international conference on Applied Physics and Mathematics, ICAPM-2019 held at Chulalongkorn University, Bangkok, Thailand from 21st -23rd January, 2019.
7. Dr. Pankaj Biswas completed a Faculty Development Programme on "Effective Teaching-Learning in Higher Education" organized by SALD & SoPC at SMVDU from 4th -6th July, 2018.
8. Dr. Pankaj Biswas participated in one day national workshop on "Communication Skills Required for Teaching" organised by Faculty Development Centre at SMVDU Katra on 15th December, 2018.
9. Dr. Pankaj Biswas attended one day coordinators workshop on "Scilab" under PMMMNMIT organized by IIT Bombay on 16th April, 2019 at SMVDU.
10. Dr. Pankaj Biswas attended a one day workshop on "Python" under PMMMNMIT organized by IIT Bombay on 22nd June 2019 at SMVDU remote centre.
11. Dr. Ram Prakash attended short term course under TEQIP-III on "Electroanalytical Techniques for energy conservation and storage" at Indian Institute of Technology (IIT) Delhi, New Delhi from 6th -8th June, 2019.
12. Dr. Ram Prakash participated in one week Faculty Development Programme on "Research Methodology using R & E -views" at Faculty Development Centre (FDC) SMVD University, Katra from 21st - 25th May, 2019.
13. Dr. Ram Prakash participated in one day seminar on "Raman Spectroscopy and Micro array printing" at School of Biotechnology, SMVDU, Katra on 20th August, 2018.
14. Dr. Ram Prakash participated in one week workshop on "Pedagogy" at Faculty Development Centre (FDC) SMVD University, Katra from 11th -15th March, 2019.

15. Dr. Ram Prakash participated in one day awareness seminar on "Importance of Intellectual Property Rights" at SMVDU, Katra on 23rd August, 2018.
16. Dr. Ram Prakash participated in One week faculty development program on "Best manufacturing practices in Industries " held at SMVD University, Katra from 17th - 21st December, 2018.
17. Dr. Ram Prakash participated in one day National workshop/ Seminar on "Trends in Genomics and Proteomics" at SMVD University, Katra held on 29th March, 2019.
18. Dr. Ram Prakash participated in one day workshop on "Scilab" conducted by IIT Bombay through ICT at SMVD University, Katra held on 4th May, 2019.
19. Dr. Kamni participated in one day seminar on "Raman Spectroscopy and Micro Array Printing" on 20th August, 2018, SMVDU.
20. Dr. Kamni participated in international conference on Mechanical Engineering & Allied Sciences, School of Mech. Engg., SMVDU from 14th-15th September 2018.
21. Dr. Kamni participated in 5th International conference on recent trends and advancements in engineering and technology (ICRTAET), SMVDU from 25th -26th October, 2018.
22. Dr. Kamni participated in 9th International Conference on "Applied Physics and Mathematics 2019" Chulalongkorn University, Bangkok, Thailand from 21st -23rd January, 2019.
23. Dr. Kamni participated in one day national seminar on "Trends in Genomics and Proteomics" on 29th March 2019, SMVDU.
24. Dr. Kamni participated in FDP on "Effective Teaching-Learning in Higher Education" from 4th -6th July, 2018, SMVDU.
25. Dr. Kamni participated in two week AICTE approved FDP "Foundation Program in ICT for Education" from 8th March - 12th April, 2018, IIT Bombay.
26. Dr. Kamni participated TEQIP-III sponsored FDP on "Best manufacturing Practices in industries", SME, SMVDU in collaboration with MED JNTUH, Hyderabad, 17th - 21st December, 2018.
27. Dr. Kamni participated in one week workshop on "Pedagogy" under Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMNMTT) scheme of MHRD, GOI, Faculty Development Centre, SMVDU, from 11th -15th March, 2019.
28. Dr. V.K. Singh participated in one day workshop on Bioinformatics on "Trends in Genomics and Proteomics" Organized by School of Biotechnology (SoBT), Shri Mata Vaishno Devi University, Katra, J&K on 29th March, 2019.
29. Dr. V.K. Singh participated in one day workshop on "Protein Modelling" in association with Tech. Fest "TITIKSHA" 2K18SMVDU Organized by School of

Biotechnology (SoBT), Shri Mata Vaishno Devi University, Katra, J&K on 5th October, 2018.

30. Dr. V.K. Singh participated in one day seminar on "Raman Spectroscopy and Micro Array Printing", organized by School of Biotechnology, Shri Mata Vaishno Devi University, Katra, J&K in collaboration with Labindia Instruments Pvt. Ltd. on 20th August, 2018.
31. Dr. Ashok K. Sharma presented papers, entitled 'India's Navigation Satellite System' & 'Role of the ionosphere in Communication' at national workshop on "Imagining the future of Space Science and its strategic importance", organized by Department of Physics and Astronomical Sciences, Central University of Jammu from 11th -12th October, 2018 in collaboration with Indian Space Research Organization (ISRO), Department of Space, Bangalore.
32. Dr. Ashok K. Sharma presented a paper at 15th international symposium on "Equatorial Aeronomy (ISEA-15)", held at the physical Research Laboratory (PRL), Ahmedabad, from 22nd -26th October, 2018.
33. Dr. Ashok K. Sharma presented a paper in the 20th National Space Science Symposium (NSSS) 2019, co-hosts Inter University Centre for Astronomy and Astrophysics (IUCAA) and National Centre for Radio Astrophysics (NCRA), Pune from 29th -31st January, 2019.
34. Dr. Ashok K. Sharma participated as an oral presenter for the paper, titled "VHF Scintillation associated with equatorial plasma bubble over low latitude Indian region: a case study" in URSI-Asia Pacific Radio Science Conference 2019 from 9th-15th March, 2019, organized by the Indian National Science Academy, Indian Radio Science Society and Jawaharlal Nehru University, New Delhi.
35. Dr. Ashok K. Sharma delivered an invited talk on "Potential of IRNSS/NavIC L5 signals for ionospheric studies: A study using India's indigenous satellite positioning system" in a national conference on Space and Atmospheric Science (NCSAS-2019), held at Sanjay Ghodawat University, Kolhapur, organized by Department of Physics, School of Science from 10th - 11th May, 2019.
36. Dr. Kamni chaired a technical session and presented a paper on Synthesis and crystal structure of (4Z)-2-phenyl-1-{(E)-[4-(propan-2-yl)benzylidene]amino}-4-[Thiophen-2-yl)methylidene]-1H imidazole-5(4H)-one" international conference on Mechanical engineering and Allied Sciences, School of Mech. Engg., SMVDU, from 14th -15th September 2018.
37. Dr. Kamni presented a paper on "Comparative crystallographic analysis and role of intermolecular interactions in molecular assemblies" in 5th international conference on "Recent Trends and Advancements in Engineering and Technology (ICRTAET), SMVDU, from 25th -26th October, 2018.
38. Dr. Kamni delivered a lecture-cum-counseling session on "Self-esteem and Confidence building in girls" on 7th December, 2018, Delhi Public School, Jammu.

39. Dr. Kamni participated in and presented a paper on "Structural and Spectral Studies of MgZnO:Cr³⁺ Phosphor" on 9th international conference on "Applied Physics and Mathematics 2019" from 21st -23rd January, 2019, Chulalongkorn University, Bangkok, Thailand.
40. Dr. Kamni was invited as a resource person and delivered an invited talk on "Polymers" in Faculty Induction Program (FIP) at Faculty Development Centre (FDC), SMVDU, on 30th January, 2019.
41. Dr. Kamni was invited as a resource person and delivered an invited talk on "Structure, Properties and Applications of Materials" in Faculty Induction Program (FIP) at Faculty Development Centre (FDC), SMVDU on 4th April, 2019.
42. Dr. Kamni under GSCASH conducted lecture-cum-counseling session on "Shine like a star: A lecture on Confidence building" on 30th April, 2019, Jammu Sanskriti School, Jammu.
43. Dr. Kamni completed a course titled, "Electricity and Magnetism Part-I", offered by Rice University, Houston, through edx, completed on 3rd May, 2019.
44. Dr. V.K. Singh presented a paper on "Heavy Metal Investigations in Biological Specimens Using XRF Spectrometry" in 2019 Pittsburgh Conference & Exposition on Analytical Chemistry and Applied Spectroscopy (PITTCO-2019) in Philadelphia, Pennsylvania, USA, from 17th - 21st March, 2019.
45. Dr. V.K. Singh presented a paper on "LIBS Based Analysis of Root-knot Nematodes Infected Okra Plant Roots" in TEQIP-III sponsored international Conference on "Mechanical Engineering and Allied Sciences (ICMEAS-2018)" organized by School of Mechanical Engineering, Shri Mata Vaishno Devi University, Katra, J&K, from 14th -15th September 2018.
46. Dr. Ram Prakash participated and presented a paper entitled "XPS and Photoluminescence studies of α - Al₂O₃: Tb³⁺ phosphor" in international conference on "9th international conference on "Applied Physics and Mathematics (ICAPM-2019)" held at Chulalongkorn University, Bangkok, Thailand, from 21st - 23rd January, 2019.
47. Dr. Ram Prakash participated and presented a paper entitled "Electronic structure study of transition metal ion doped Eu₂O₃ thin films using x- ray Spectroscopy techniques" in international conference on "Mechanical Engineering and allied sciences (ICMEAS-2018)" held at SMVD University, Katra (J&K) India, from 14th -15th September 2018.

9.4 Conferences/ Seminars /Workshops/FDPs/MDPs Organized

1. Dr. Pankaj Biswas as a Course Coordinator organized one day workshop on "Scilab" under PMMMNMIT, by IIT Bombay on 4th May 2019 at SMVDU.

2. Dr. Kamni as a Coordinator, organized International Women's Day, organized by GSCASH, SMVDU March 2019.
3. Dr. Kamni conducted a Panel Discussion on "Women Empowerment through Inclusion in Workplace" organized by GSCASH and office of Dean Student Welfare on 20th May, 2019, SMVDU.
4. Dr. S. K. Wanchoo organized 13th DST, sponsored INSPIRE Scinece Internship Camp from 9th -13th July, 2018 at SMVD University.
5. Dr. S. K. Wanchoo organized 14th DST, sponsored INSPIRE Scinece Internship Camp from 28th November– 2nd December, 2018 at Leh, J&K.

9.5 Ph.D. Guided

Dr. Jitendra Sharma – 02

Dr. Ram Prakash- 01 (Awarded)

Board of Cultural Activities

Resurgence 2019 - the annual cultural festival of Shri Mata Vaishno Devi University was organized from 19th-21st April 2019 where more than 2,000 students participated in this mega-event. Apart from the cultural events, fine arts competitions, literary, theatre, dance, music and fun events enhanced the aroma of the festival. The preparations began with the beginning of this year and the countdown began a month ago. More than thirty events were organized, such as debates, youth parliament, mea culpa, group dance, skit, and mime to sangam, hip-hop war, bolly-mania, etc. Students from various houses (Aakash, Agni, Jal, Prithvi and Vayu) participated in it with immense enthusiasm and displayed their multi-faceted talent. The Vayu house took an unassailable lead and eventually became the overall champion.



Mr. Sumanta S. Sharma (President, BCA) and Dr. Rakesh Kumar (Vice President, BCA) thanked all participants and coordinators for their passion and hard work, and expressed their gratitude to all judges who came from different places. Prof. D. Mukhopadhyay, Dean,

FoM & FoHSS and Prof. V.K. Bhat, Registrar, congratulated all participants and the team Resurgence for its successful completion.

Sangeet Natak Academi actors training workshop starts at SMVDU



JAMMU BULLETIN NEWS **KATRA, MAR 6:**

Sangeet Natak Academi, New Delhi, in collaboration with Board of Cultural Activities (B.C.A.) of Shri Mata Vaishno Devi University (SMVDU), Katra, is organizing Ten days exclusive 'Actor Training Workshop' for the students of SMVDU. This inaugural workshop is the first in this series titled "The Need for Right Training" and future workshops to be held at different theatre groups and academic institutions in the State. This workshop is unique initiative by Sangeet Natak Academi, New Delhi, and the main motivation behind is to reach out, intro-

duce and provide world class training to the aspiring actors who don't have proper means and exposure to it. Not only that but also to enlighten the aspiring actors and to make them familiar with the process of an actor training and exploration work. The workshop is to be conducted by Mr. Vikram Sharma, an internationally trained actor and acting trainer, who is also a Visiting Faculty at the prestigious National School of Drama, New Delhi and has experience of working with hundreds of aspiring actors across the country. The workshop is to be coordinated by Mr. Gaurav Singh (Cultural Instructor/Trainer) of SMVDU. Mr. Sumanta S.

Sharma (President, BCA) formally welcomed the resource person and shared his views on actors training with everyone present at the inaugural. In his inaugural address, Mr. Vikram Sharma, thanked Sangeet Natak Akademi, New Delhi, for the initiative and SMVDU for holding and hosting this event. He stressed on the need of such training and its role in the development of the individual. He shared his experience and further emphasized that there is immense need for training individuals who are enthusiastic about acting as an art form and doing so can bring positive changes in the overall art scene in India.

Government Degree College for Women (GDCW) Parade hosted State Youth Parliament 2019 on 6th February 2019. The state level event witnessed participation of winners of district level youth parliaments, held in all twenty two districts of Jammu and Kashmir. Three students from SMVD University, namely Mr. Paras Dubey, Mr. Manglam Mishra and Mr. Manik S Jamwal participated in it. The topics for the discussion included One Nation One Election – a must for good governance; India at the threshold of becoming a superpower; Digital India: bridging the urban rural divide; and Swashtha: building mass movement in India.



Speaking on the occasion, MLC Romesh Arora, welcomed all the participants and highlighted the importance of such events initiated by the Prime Minister Narendra Modi which helps in unfolding the hidden talent of young minds. S P Bhatnagar, Regional Director NSS, New Delhi, in his address highlighted the entire scheme of National Youth Parliament 2019 launched by the Ministry.



The national flag was unfurled, and the 70th Republic Day was celebrated at Shri Mata Vaishno Devi University (SMVDU), Katra. Prof. V. Verma unfurled the national flag and addressed a large gathering comprising students, faculty members and staff. The children

of the faculty members as well as of the nearby villagers also witnessed the celebrations. The main cultural function was held at the Matrika Auditorium where the students of SMVDU; VIKALP kids who get free education in the evening classes through University Social Responsibility (USR); and staff members participated and performed jubilantly. The program ended with a treat of tea and snacks for all.

Yuvotsav 2018 (27-31 December 2018)

A team of fourteen students participated in the Yuvotsav 2018, at Panjab University Chandigarh. This is the 34th North Zone Inter-University Youth Festival named YUVOTSAV-2018 in collaboration with Association of Indian Universities, New Delhi. Around 38 universities participated in various events of Theatre, Literary, Music, Dance and Photography. The objective of the youth festival was to channelize creative energy and enthusiasm of the young students and to provide them with an atmosphere of creativity and group participation so that their latent potentialities and talent may find an outlet in joyous and fruitful ways.



Youth festivals are a big source to inculcate feelings of patriotism and nationalism among students, and to acquaint them with their rich cultural heritage and human values. Opportunities for self-development and character building are also provided by the youth festivals along with imbibing quality of leadership, mutual tolerance and fellow feeling. These festivals are also playing an important role in preserving and promoting the rich folklore and traditional culture of India. The students participated in Skit, Mime and Debates. Dr. Sanjeev Jain, Vice Chancellor, SMVD University, congratulated the teams for their breathtaking performances.

Concordance 2018

The first mega fest of Board of Cultural Activities (BCA) was celebrated at Shri Mata Vaishno Devi University (SMVDU), Katra on 21st October 2018. The Concordance serves as an official welcome to the incoming batches, which comprises B. Tech, B. Arch, M. Tech, M.Sc., M.Sc. (Integrated), M.A., M.B.A; M.C.A. with a variety of cultural events showcasing dance, music, etc. The preparations started a month back with talent hunt, auditions,

screening and various contests. Students were selected on the basis of their talent and performance from fresh students to senior batches who joined hands, formed groups, practiced diligently and performed enthusiastically on the stage.

The performances ranged from songs, beatboxing, solo musical instrument performance to different dance forms. The cherry on the cake was the concluding performance of Bhangra which spell bounded the audience. The beauty of the event was amplified as the performers, back stage support, together with committee members cooperated and coordinated the event to near perfection and a grand success. The event was coordinated by Mr. Sumanta S. Sharma, Faculty Coordinator, BCA, SMVDU along with Mr. Mir Irfan Ul Haq, Dr. Vivek Singh, and Dr. Surender Singh.

Urubhangam

A play "*URUBHANGAM* - The Shattered Thigh", based on Maha Kavi Bhasa's Sanskrit Play "*URUBHANGAM*", was staged at Matrika Auditorium. The play was a theatrical piece based on Indian epic Mahabharata. Moreover, this play was awarded with 11 State Awards for Best Production, Best Director, Best Make-up, Best Actor, Best Costumes and many more by Jammu and Kashmir Academy of Art Culture And Languages. Audiences thoroughly enjoyed and appreciated the performance. The play was coordinated by Dr. Rakesh Kumar, Vice President, BCA, SMVDU.

Independence Day Celebration

The 72nd Independence Day was celebrated at Shri Mata Vaishno Devi University, Katra, on 15th August 2018. The national flag was hoisted by Vice Chancellor, Dr. Sanjeev Jain who in his inaugural speech highlighted the need to keep pace with the upcoming changes and challenges in education. He also informed that the university was prepared for the NAAC accreditation. Moreover, there were several upgradations in infrastructure planned in the upcoming days. Dr. Jain acknowledged the efforts of Shri N. N. Vohra, Chancellor and Governor of J&K, who played a remarkable role in the growth and development of the university. After the inaugural speech, there were cultural performances at Matrika auditorium, where students staged a play on growing corruption; presented foot-tapping Bhangra and contemporary dance performance, expressed views on the present day India with poetry composition; played instrumental music and vocals along with performances from Vikalp kids. The event concluded with a prize distribution ceremony for Yoga activities together with Drawing and Painting competitions. The event was jointly coordinated by Dr. Yugal Khajuria, Dean of Students Welfare and Mr. Sumanta S Sharma, President, BCA, along with Dr. Rakesh Kumar, Vice President, BCA.

Play Sanaskar

The Hill Thespian Cultural Society, Jammu, showcased its drama "Sanaskar" on 27th August 2018. The play fell under the genre of black comedy of a Dogri family. The drama started with the Dogri ritual performed by women 'marasn' for singing 'loaniyan', a song in which the qualities of the dead is reminded and people wees. The play revolves around the family woes where Ramratan and Shivratan, the two grandsons of the dead women, are busy with cremation preparation. Many disputes occur due to money, status and jealousy that affect the cremation. The play was coordinated by Dr. Rakesh Kumar, Vice President, BCA.

NSS Activities

Cleanliness Awareness Drive Undertaken at SMVD University



Shri Mata Vaishno Devi University organized cleanliness awareness drive in Sira – a village adjacent to university on 01st July, 2018. This program was a part of various initiatives taken by the university to spread cleanliness and make people aware of it, under Swachh Bharat Summer Internship (SBSI) whose motto is to “engage youth across the country and develop their skill and orientation for sanitation related work and village level development”. A group of students along with faculty members visited households and shops, met people and counselled them regarding sanitation and water related health issues. Later, students also cleaned bushes and weeds near Gate No. 2 of the university. In the evening, a documentary regarding cleanliness, sanitation and utilization of toilets was also screened. Several students participated in this event, namely Paris, Tahir, Simran, Sukriti, Ajit, Dhanraj, Rajat, Anmol, Abhinav and others. These participants registered for SBSI-100 Hours of Swachhata. The event was coordinated by Dr. A.K. Tewari, Nodal Officer, Swachh Bharat, and Mr. S.S. Sharma, Faculty Coordinator, NSS.

Community Visit to Spread Awareness about Education Undertaken at SMVD University

Vikalp—a students’ initiative to educate the destitute along with National Service Scheme (NSS) at SMVD University, conducted a community visit to spread awareness about the importance of education for individual and social growth. More than 200 first year students along with 20 senior students-volunteers participated in it. The students went to the nearby villages, visited houses, met parents and kids and informed them about Vikalp. The main objective of the Vikalp program, which started in 2009, was to extend basic education to the under-privileged children of the close by villages, and to the children of the construction workers on campus. The Vikalp initiative is committed to the cause of social justice, sustainable development and human rights, and undertakes developmental

activities and programs for the literacy of children, which include computer courses, career counselling, sports and games activities, etc.

The community visit is a part of three week mandatory Induction program for first year students ongoing at SMVD University. One of the major projects taken up by the Vikalp team is to improve the condition of deprived, poor human condition in rural areas of Kakryal and Sira villages, adjoining the university campus. The team conducted evening classes focusing on the issues of personal hygiene and general cleanliness for the students of the rural community in and around of the university premises. The focus is also on the healthcare and awareness program for various government initiatives. The activity was jointly coordinated by Dr. Madhu Mangal Chaturvedi, Faculty Coordinator, Vikalp and Mr. Sumanta S. Sharma, Faculty Coordinator, NSS. Prof. E. Muthusamy, Dean of Engineering and Chairman of the Induction Program, expressed his satisfaction on this awareness campaign and Prof. D. Mukhopadhyay, Dean, FoM & FoHSS congratulated the team for its indefatigable efforts.

Old Clothes and Articles Collection and Distribution (8th -29th March 2019)

The NSS at SMVD University, Katra distributed warm clothes, shoes, toys and other items to the construction workers, and families who were staying at nearby campus. Students volunteering in the NSS formed a group to initiate clothes and other items collection from the campus in March 2019. In this, students from Engineering, Architecture and Economics participated whereas both faculty and staff members donated generously for the noble cause.

The donated items were sorted and the ones which cannot be used were discarded. These were then repacked and distributed to the construction workers and their children residing in the nearby areas of the university. The event was coordinated by Mr. Sumanta S. Sharma, Faculty Coordinator, NSS and Ms. Shubhangi Suri, Student Volunteer, NSS. The Vice Chancellor, Dr. Sanjeev Jain, congratulated the team for their effort and pledged for more such endeavors in future.



Plantation Drive Undertaken at SMVD University

The National Service Scheme (NSS) at SMVD University organized a plantation drive under the aegis of Clean India Green India mission. More than 200 students and volunteers participated in the event. In this, various types of trees were planted in different parts of the university. The Chief Security Officer, Mr. Surinder Singh, informed that more than 6000 trees were sown. This shows the university's commitment to a greener India along with preserving the ecosystem. Students showed great enthusiasm and commitment in the plantation drive. The event was coordinated by Mr. Sumanta S. Sharma, Faculty Coordinator, and was supported by student volunteers, namely Mr. Abhishek Gupta, Mr. Dhanraj, Mr. Akhil, Mr. Aman, Mr. Saransh, Ms. Mehak and Ms. Shreya.



Special Lecture on NSS Conducted at SMVD University

Mr. Kiran Kumar Sharma, Chairman and CEO, International Volunteer Foundation (IVF), and two time national award winner, delivered a special lecture on "Serving society with a cause" to the first year students at SMVD University (SMVDU), Katra. During the talk, he stressed the need for volunteerism among youth. He also spoke on massive cleanliness campaign, named "Save the Trikuta Mountains" which was jointly organized by NSS wing of SMVDU along with IVF. Mr. Sharma also told students to engage in social service and help the destitute as there is no act nobler than that. The motivational lecture was interactive and applauded by the students. The event was coordinated by Mr. Sumanta S. Sharma, Faculty Coordinator, NSS, along with volunteers of SMVD University.

Swacch Bharat Starts at SMVD University

Swacch Bharat 2018 started at Shri Mata Vaishno Devi University on 22nd September, 2018. It was a ten-day event culminating on 2nd October, commemorating the 150th birth anniversary of Mahatma Gandhi. Prime Minister of India, Shri Narendra Modi, called the campaign "*Satyagrah se Swachhagrah*" in reference to Gandhi's "Champaran Satyagraha" launched on 10th April 1917. Under this, SMVD University Katra organized various events to sensitize people against open defecation and contribute to the cleanliness of the university and surrounding areas.



More than 100 students participated on the inaugural day where they cleaned various areas of the university. The event was coordinated by Mr. Sumanta S. Sharma, Faculty Coordinator, NSS; and Dr. Anil K. Tewari, Nodal Officer, Swacch Bharat Abhiyaan. The student coordinators of the event were: Mr. Dhanraj, Mr. Saransh, Mr. Akhil, Mr. Prabhakar, Mr. Neel Kamal, Ms. Neha, Ms. Simran, Ms. Aruna, Ms. Shubhangi, Ms. Saloni and Ms. Sanya.

Workshop on Art of Living Conducted at SMVD University

A workshop on Art of Living was conducted at Shri Mata Vaishno Devi University from 22nd -27th July 2019 for the first year students as a part of mandatory Induction Program, approved by the AICTE comprising components of cultural activities, personal and inter-personal human endeavors along with some physical activity and community service. The Art of Living offered stress elimination modules including breathing techniques, meditation and yoga, and helped in conflict resolution, disaster relief, sustainable rural development, empowerment of women, education for all, and environmental sustainability. More than 200 students had participated who were trained by four trainers: Mr. Rohit Ranjan, Mr. Manjeet Singh, Ms. Kousar Razvi and Ms. Uditi Agarwal from the Art

of Living Foundation. The event was sponsored by TEQIP-III and coordinated by Dr. Balbir Singh, Associate Professor, SoME; and Mr. Sumanta S. Sharma, Faculty Coordinator, NSS.

Yoga Session Begins at SMVDU

The NSS at SMVD University organized yoga sessions from 30th March - 21st April 2019 where students, faculty members and residents participated in it. All these sessions were scheduled on weekends and holidays that would ensure maximum participation. The program aimed to sensitise people towards comprehensive nature of yoga towards life and well-being. The yoga instructor, Mr. Gurmel, informed students about the benefits of yoga for the body and mind before starting with the asanas. He initiated them into yoga through simple and easy sukshma kriyas, asanas and pranayams.



The session concluded with a laughter exercise, which students enjoyed the most. The sessions were coordinated by Mr. Sumanta S. Sharma, Faculty Coordinator, NSS. Dr. Sanjeev Jain, Vice Chancellor, SMVD University, stressed on the need of organizing such events more for maintaining *swasthya* and *sanyam* in life.

All India / North Zone Inter University Competitions

Basketball

SMDV University Basketball (Men) team participated in the North Zone Inter University Championship organized by Jamia Hamdard University, New Delhi from 16th -21st October, 2018. A 12 member basketball team participated in the championship along with Coach Mr. Sumit Sharma.



Badminton

SMVD University Badminton (Men) team participated in the North Zone Inter University Badminton Championship organized by MDU, Rohtak, from 19th – 23rd October, 2018. A 06 member badminton team participated in the championship along with Manager Mr. Kewal Krishan.



Football

SMVD University Football (Men) team participated in the North Zone Inter University Football (Men) Championship organized by Baba Badwagh Singh University, Jalandhar, from 23rd - to 30th October, 2018. A 14 member Football team participated in the championship along with Coach Capt. Sucha Singh.

Table-Tennis

SMVD University Table-Tennis team participated in the North Zone Inter University Table Tennis (Men) championship organized by Chitkara University, Himachal Pradesh from 16th -18th November, 2018. A 03 member Table tennis team participated in the Championship along with Manager Mr. Opinder Sharma.



Volleyball

SMVD University Volleyball (Men) team participated in the North Zone Inter University Volleyball (Men) Championship organized by Chaterpati Shivaji Maharaj University, Kanapur from 10th – 14th December, 2018. A 11 member Volleyball team participated in the championship along with Coach Capt. Sucha Singh.

Cricket

SMVD University Cricket (Men) team participated in the North Zone Inter university Cricket (Men) championship organized by Maharishi Dayanand University (MDU), Rohtak from 15th – 28th December, 2018. A 14 member Cricket team participated in the championship along with Coach Mr. Sumit Sharma.

Kick-Boxing

SMVD University Kick-Boxing (Men & Women) participated in the All India Inter University Kick Boxing Championship organized by Andhra University, Visakhapatnam from 8th -11th March, 2019. A 05 member Kick boxing team participated in the championship along with Coach Mr. Balbir Singh.



Board for Sports Activities conducted the following Inter Hostel Tournaments from August to October, 2018

Cricket (Men) – Total 06 teams participated from different hostels, namely Vindhyachal, Nilgiri, Trikuta, Kailash, Basohli C & D Block and Old Basohli in which Old Basohli clinched the 1st position in the Cricket Tournament.



Volleyball (M/W) - Total 07 teams participated from different hostels, namely Vindhyachal 1, Vindhyachal 2, Nilgiri, Trikuta , Kailash, Basohli C & D block and Old Basohli in which Vindhyachal 1 clinched the 1st position in the Volleyball tournament.

Basketball (M/W) - Total 05 teams participated from different hostels, namely Vindhyachal , Nilgiri, Trikuta , Kailash and Basohli C & D in which Vindhyachal clinched the 1st position in the Basketball tournament.



Badminton (M/W) - Total 05 teams participated from different hostels, namely Vindhyachal , Nilgiri, Trikuta , Kailash and Basohli C & D in which Vindhyachal clinched the 1st position in this Basketball tournament.

Board for Sports Activities conducted the following Faculty / Staff Tournaments from December 2018 to January, 2019

Cricket (Men) – Total Five teams participated in the tournament namely SMVDU Warriors; Boitecnology team; DOS team; Vaishno Tigers and Trikuta Yodha. The trophy of the tournament clinched by DOS Team after defeating the Vaishno Tigers by 1 run.



Teams posing for joint photograph after the toss in the final match

Badminton (M/W) – Total 14 Players including men and women participated in different categories in singles and doubles in the Badminton tournament. In men singles category Mr. Abhimanyu Sharma, Assistant Professor, SALD, won the 1st position and in doubles category (Men) Mr. Abhimanyu Sharma and Mr. Anurag, Assistant Professor, SoLL, won the 1st position. However, in women singles category, Ms. Shaivya Manhas, Assistant Professor, SoE won the 1st position.

SARANG-2K19

Board for Sports Activities holds SARANG-2K19 Annual Sports Festival

The Board for Sports Activities held the Annual Sports Fest SARANG-2K19 from 25th February to 30th April, 2019. In a two month long Sports Fest, students participated in extra-curricular activities and were divided into five houses: Aakash, Agni, Jal, Prithvi and Vayu with an aim to give every student a chance to perform and excel in the discipline of interest. Most of the team events held on league-cum-knockout basis thus provided every team a chance to play against each house.

There were thirteen games conducted by the panel of Board for Sports Activities which were:



KABADDI (M/W)



KABADDI



Badminton (Men & Women)



Basketball (Men)



Cricket (Men)





E-Sports (Men)



Football (Men)



Kho Kho (Men/Women)



Chess (Men/Women)



Lawn tennis (Men/Women)



Athletics





Technical Panel

The technical panel for sports events was led by Capt. Sucha Singh, Mr. Balbir Singh and Mr. Sumit Sharma, who were also guiding the students to showcase their best.

Open Marathon "Run for Health"

The Board for Sports Activities conducted Open Marathon "Run for Health" on 20th April, 2019. The Athletes were flagged off by the Vice Chancellor, Prof. D. Mukhopadhyay, for the Open Marathon. Around 200 athletes participated in the race including students, faculty, staff and their family members.





Central Library

“A library outranks any other one thing a community can do to benefit its people. It is a never failing spring in the desert.”

—Andrew Carnegie

The Library started with a number of only 2000 books on 19th August 2004. Within a short span of time, the library acquired more than 51,000 books and more than 3000+CD collections.














On 26th July 2010, the Central Library shifted to its new building of 36,000 square yards area with separate sections including Acquisition Section; Technical Section; Circulation Section; Reference Section, Periodical Section; Text Book Section; Computer Section; Reading Section, & Photocopy Section for the benefit of students, faculty and staff. More quality books are being added to the library on a regular basis and to enrich the Library collection with the quality books, the Library, Staff had organised series of book exhibition by the renowned publishers and vendors from reputed publishing houses.

The Central Library collection encompasses Management; Economics; Engineering; Architecture; Civil; Sciences; Philosophy; Culture; Religion; English; Dogri & Hindi Literature.

Library Timings:

Central Library remains open on all days except on university holidays. Timings of the Library are as follows:

S.No.	Collection	Days	Timings
1.	Book stacks for Circulation	Monday-Friday	9.00 AM -8:00 PM
2.	Digital Library	All working days	24*7
3.	Reference	Monday-Friday	9:00 AM -12:00 Midnight (Dinner break 8:00-9:00 PM)
4.		Saturday-Sunday	10:00 AM -5:00 PM (lunch break 2:00-3:00 PM)
Reading Room:24x7			
During Exams: Reference Section remains open till 12:00 Midnight (Monday-Friday)			

S.No.	Logo	e-resource	URL link
1.		ProQuest	http://search.proquest.com/business/34591
2.		Elsevier Science Direct (Engineering & computer science)	www.sciencedirect.com
3.		IEEE ASPP+POP	http://ieeexplore.ieee.org/Xplore/home.jsp
4.		EBSCO host (premier starter edition)	http://search.ebscohost.com
5.		Harvard Business Cases	hbsp.harvard.edu
6.	EPW Research Foundation	EPW Research Foundation Database	http://www.epwrfits.in/index.aspx
7.		Emerald eJournals	https://emeraldinsight.com/
8.		IJBST Journal Group	https://www.ijbst.org/
eShodhSindhu			
9.		Economic & Political Weekly	https://www.inflibnet.ac.in/ess/eres.php?me mID=292
10.		Institute for Studies in Industrial Development (ISID) Database	https://www.inflibnet.ac.in/ess/eres.php?me mID=292
11.		JGate Plus (JCCC)	https://www.inflibnet.ac.in/ess/eres.php?me mID=292
12.		JSTOR	https://www.inflibnet.ac.in/ess/eres.php?me mID=292
13.		MathSciNet	https://www.inflibnet.ac.in/ess/eres.php?me mID=292
14.		Springer Link	https://www.inflibnet.ac.in/ess/eres.php?me mID=292
15.	eShodhSindhu Consortium	World e-Book Library	https://www.inflibnet.ac.in/ess/eres.php?me mID=292

16.	eShodhSindhu Consortium	South Asia Archive (SAA)	https://www.inflibnet.ac.in/ess/eres.php?memID=292
e-Books			
17.	e-Books Academic Collection Package	EBSCO Academic e-Book Collection	https://search.ebscohost.com/login.aspx?authtype=ip,uid&profile=ebooks

Library Membership

All students and employees of the university are eligible for the membership of the Library. The registered members are issued bar-coded library membership cards. The categories of the Library members are students, faculty members, staff members and research scholars. At present, Library caters to the information needs of more than 1800+ users with the help of trained professionals.

S.No.	Collection Type	Quantity
1.	Books	51000+
2.	CDs and DVDs	3000+
3.	Thesis & Dissertations	906

Newspaper, Magazines and Journals Collection in the Central Library:-

The Central Library provides access to more than 46,409 online journals and 2,695 conference proceedings through eShodhSindhu Digital Library Consortium; INFLIBNET and also to subscription based e-Resources from various suppliers and renowned publishers. Apart from these the library also subscribes more than (70) print national and (06) international journals.

The Central Library has an integrated library management software package- the e-Granthalaya 4.0 with all the modules for the library housekeeping operations. Users can find the latest additions of books and periodicals in the library, including status of books (issued/on-shelf) and account books overdue against their names. Using Granthalaya 4.0 (Online Public Access Catalogue) the users can search the Library Online Catalogue by authors; titles; subjects; and keywords. Library catalogue is automated and fully indexed. The catalogue can be browsed and searched by authors, titles, and subjects/keywords.

The library collection is Bar-coded which are printed inhouse in the Library and are issued to the members. Barcode technology enables circulation of books in easy, reliable and user friendly manner. Apart from this, members can also find the status of books issued in their names, overdues, fines, etc. through internet.

Virtual Digital Library:

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

Digital Library:

The Digital library is equipped with 34 internet PCs. Various subscribed as well as open access, e-resources can be accessed by the students, scholars, staff and the faculty members of the university.

Reprographic Service:

Library provides photocopy service to the users.

CAS/SDI

Library also provides current awareness service and involved in selective dissemination of information, such as

1. New arrivals of books;
2. News paper clippings service;
3. Monthly alert for e-resources, e-books, e-journals accessible at SMVD University.

Anti-Plagiarism:

In order to avoid any type of anti-plagiarism issues and to improve upon the quality publications and the quality of the assignments submitted by the students of the university, library has deployed anti-plagiarism software "Turnitin".

Membership:**UGC-INONET Consortium:**

Library is also actively depositing quality Ph.D. Theses to the repository of Shodhganga of INFLIBNET (Information and Library Networking) Centre. The INFLIBNET is an autonomous Inter University Centre (IUC) of University Grant Commission (UGC).

DELNET Membership:

It is not possible for any library to procure all books or get subscription of all journals. Hence, to get books on loan basis or journal reprints on request is possible through DELNET (Developing Library Network), Delhi. The Library is a member of DELNET since 2007. One can also find out the books or journals available in various libraries in India with the help of Union Catalogue of DELNET.

Hardware (equipments) and Software: Computers:

The Library is equipped with 60 computers utilizing UGC Fund. Recently, library has also procured 2 blade servers from the UGC Fund.

Online UPS:

For power backup to all computers in the library four online UPS are available in the library. This helps minimizing data loss and unwanted record freezing/jamming due to unwarranted unsystematic shutdown of a system caused by power failure.

Photocopier/Photocopy Machine:

At present, the library is equipped with two Canon photocopying machines. All these are already placed at different utility locations in the library. One old system is also available as back-up arrangement in case of any failure.

Apart from above, the Central Library is equipped with FAX machines, computer printers and scanners.

Expansion of Central Library is very much on priority in order to enrich the knowledge resource of the students, and to keep faculty members abreast of developments in their field of specializations. Providing support and strengthening college libraries, and opening of school libraries is very much on the agenda.

Events:

1. The Central Library organized one National Level workshop on e-Granthalaya 4.0 for the automation of the Library collection
2. A user orientation programme is organized by the Central Library for the newly admitted students so that user may be familiar with the facilities available in the Central Library of the University.
3. A user Induction programme is also provided by the resource person of the Turnitin antiplagarsim software
4. A national level Essay Writing Competition has been organized by the Library in the month of August 2018

Results of 1st National Level Essay Writing Competition year 2018

Winner	Name of the Participants	Affiliated Institute	Prize Amount
1 st Winner	Mr. Lovish Baru	Kurukshetra University , Haryana	1 st prize (Rs.10000/-)
2 nd Winner	Mrs. Priyam Kukreja	Business School Panjab University ,Chandigarh	2 nd Prize (Rs.5000/-)
3 rd Winner	Megha Hanta	Yogananda College of Engineering, Jammu	3 rd Prize (Rs.2000/-)
Consolation prizes of Rs.1000/- are also given to the five other participants			

Future:

In the new building with the various growth facets and aforesaid backdrop, the library is likely to enrich the following:

Books:

1. General reading books;
2. Fiction and leisure reading books;
3. Language books (other than English language): Books in different languages; especially in Hindi to promote the Official Language and Dogri & Kashmiri to promote and understand the culture of the State i.e. J&K;
4. Reference books;
5. Competitive Examination books (like GATE, NET).

Equipments & Technology for modernizing the library and its services, the university is planning for the RFID technology and NAS Server.

RFID Technology: The Library has been using the library software (e-Granthalaya 4.0). Further, a higher level of automation is achieved using the RFID technology. This will help minimizing book theft, further automate book circulation (multiple books at time) to a user can be issued or checked-in in a single moment. It will also help in shelf or stack rectification and help minimizing (un) intentional misplacement of books on the shelves by the users.

CCTV: For better surveillance of the library and to detect and minimize any unwanted activities inside the library.

CD-Mirror: The SERVER/NAS Server for easy and reliable access with proper content is required. The CD data can be mirrored (copied i.e. burned onto the server) to provide campus wide 24x7 access to students as well as faculty members. The CD -Mirror Server is under plan.

VIDWAN

Databases contain 10,000+ profiles of experts in various subjects from 650 institutions – <http://vidwan.inflibnet.ac.in>.

Central Facilities, Cells, Centres

Publication and Media Cell

The Publication and Media Cell of the university is a spokesperson of the activities of the university. Since inception in 2005, the Cell endeavours towards publicizing the university activities through local and national print media, reputed magazines and through social media. The Cell has learned members of faculty associated with it which is supervised by a Chairperson appointed from amongst faculty members and supported by the dedicated staff. The Cell provides photography and video-recording services to the university activities. Below is a brief report of its activities in the academic year 2018-2019:

News Management

The Publication and Media Cell works dedicatedly for covering and sending news related to activities, such as seminars, conferences, workshops, university achievements and milestones, faculty achievements, students' achievements, visits of distinguished persons, special lectures, etc. A brief account of publication of such news is as under:

Through publication of activities in local and national media the university achieves significant attention of people and other institutions. All major activities are highly viewed on social media. Many of the news have crossed 10000+ views on university Facebook page. The Cell also publishes advertorials in leading newspapers and magazines. The coverage on educationduniya.com has been significantly viewed throughout the year.

University Publications

The Publication and Media Cell publishes a number of documents, both hard and online, to put forth the university achievements, major happenings, research and publication, faculty and students' achievements for public information. The Cell publishes the following documents:

Annual Report
Admission Brochure
ABCD Booklet
Students' Magazine Pratibimb
Monthly Newsletter Times@SMVDU
University Profile
Ph.D. Handbook
Convocation Brochure

Promotion of Academic Programs

The Publication and Media Cell is an instrument for promotion of the academic programs of the university. The cell, in coordination with Training and Placement Cell, represented the university in India International Science Festival, Chennai (13th -16th October 2017), FICCI Higher Education Summit, Noida (9th -11th November, 2017) and FICCI HR Summit, Jaipur (29th November 2017). The Cell actively works for dissemination of printed materials popularizing the maiden initiative of conducting University's Entrance Examination-SMVDUEE-2019.

The Cell also manages academic notices and advertisement in local and national newspapers and reputed magazines such as Career360, Airport India Business Magazine,

and alike. It also prepares short videos for promotion of academic programs. The Cell also actively works for preparing content for display on hoardings placed in more than 10 cities in the country and at Jammu Airport.

Network Centre

SMVDU has established the state of art "Network Centre" which serves as centralized entity for providing the network and Internet services across the Campus with 24x7 availability. The SMVD University Network (UnivNet) connects 37 buildings across campus.

- Academic blocks
- Administrative offices
- Auditorium
- VC residence
- Central library
- Central workshop
- Medical aid centre
- All hostels
- Guest house
- Faculty and staff residences.

Details of the university's computing facilities include hardware and software: dedicated computing facilities; Internet Lab; 2 Sun Solaris Servers for Computation; High performance computing server for computational research; and 2 ERP servers.

- a) Internet connectivity with bandwidth of 1 Gbps from national knowledge network (through NMEICT)
 - b) LAN facility: 1 Gbps across campus through optical fibre cable across campus
 - c) Wi-fi connectivity across the campus is in process with more than 450 indoor and 05 outdoor Wi-Fi access points procured and will be installed across the campus.
- The network and internet services of the SMVD UnivNet are backed by Layer 3 Core Switch from Cisco, HP & Huawei, Extreme, Linksys, DLink more than 175 Nos. Layer 2 distribution Switches, CISCO Pix Firewalls for Security, Central Authentication Gateway and Network Management System.
- Uninterrupted internet services have been provided on campus from 1 Gbps internet leased line link from BSNL under NMEICT. With the endeavor of network centre team, the SMVDU is part of NKN (National Knowledge Network) connecting all universities in India including IIT, IISc, NIT, and other since 2010.
- Network Centre 20 Dell/Sun/IBM servers provides:
- a) Network services like DHCP, DNS, Biometric Services, CCTV Surveillance on Campus;
 - b) Virtualization services through Hyper-V Servers;
 - c) Learning management System <<http://Moodle.smvdu.ac.in>>;

- d) Application servers for the School of Mechanical Engineering, (AutoCAD, Ansys); and
- e) Application servers for the Faculty of Management (Prowess, Computing Software - Statcraft etc)

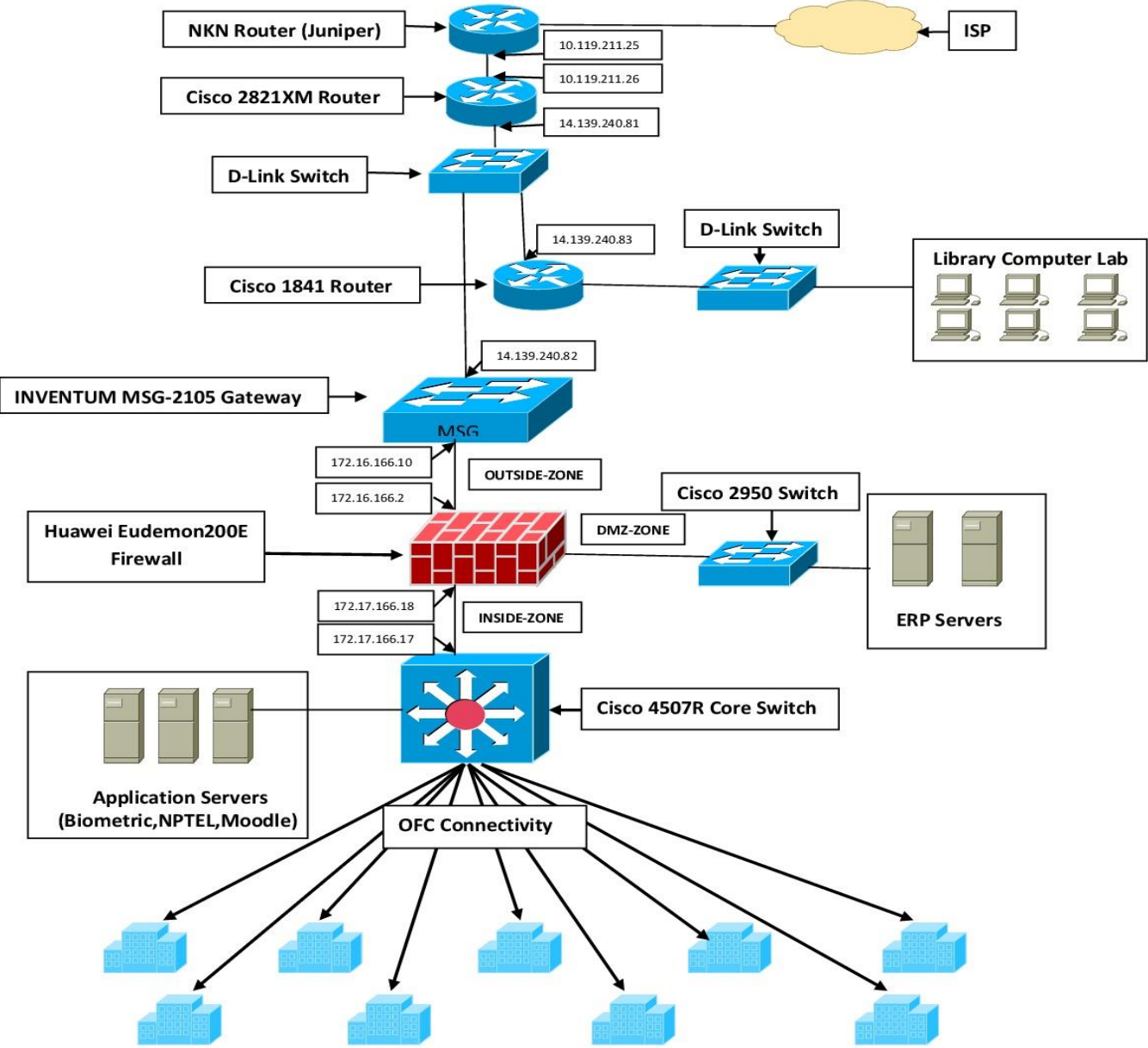
List of Software programs Available

1. Matlab Software (Version: R2017b, R2018b)
2. E Granthalaya (Version: 4.0)
3. Cad Feko (Version: 6.1)
4. Qualnet (Version: 5.1)
5. Adobe Experience Manager:
6. Xilinx: (Version: 9.21)
7. Mems Pro
8. Netsim
9. 3d- Experience (Version: R-2018 X)
10. Autocad (Education Version: 2015)
11. Ansys (Academic And Research Version: 18.2)
12. Msc Patran/Nastran (Version: Marc Sinda Daytran)

List of Servers & Network Equipments

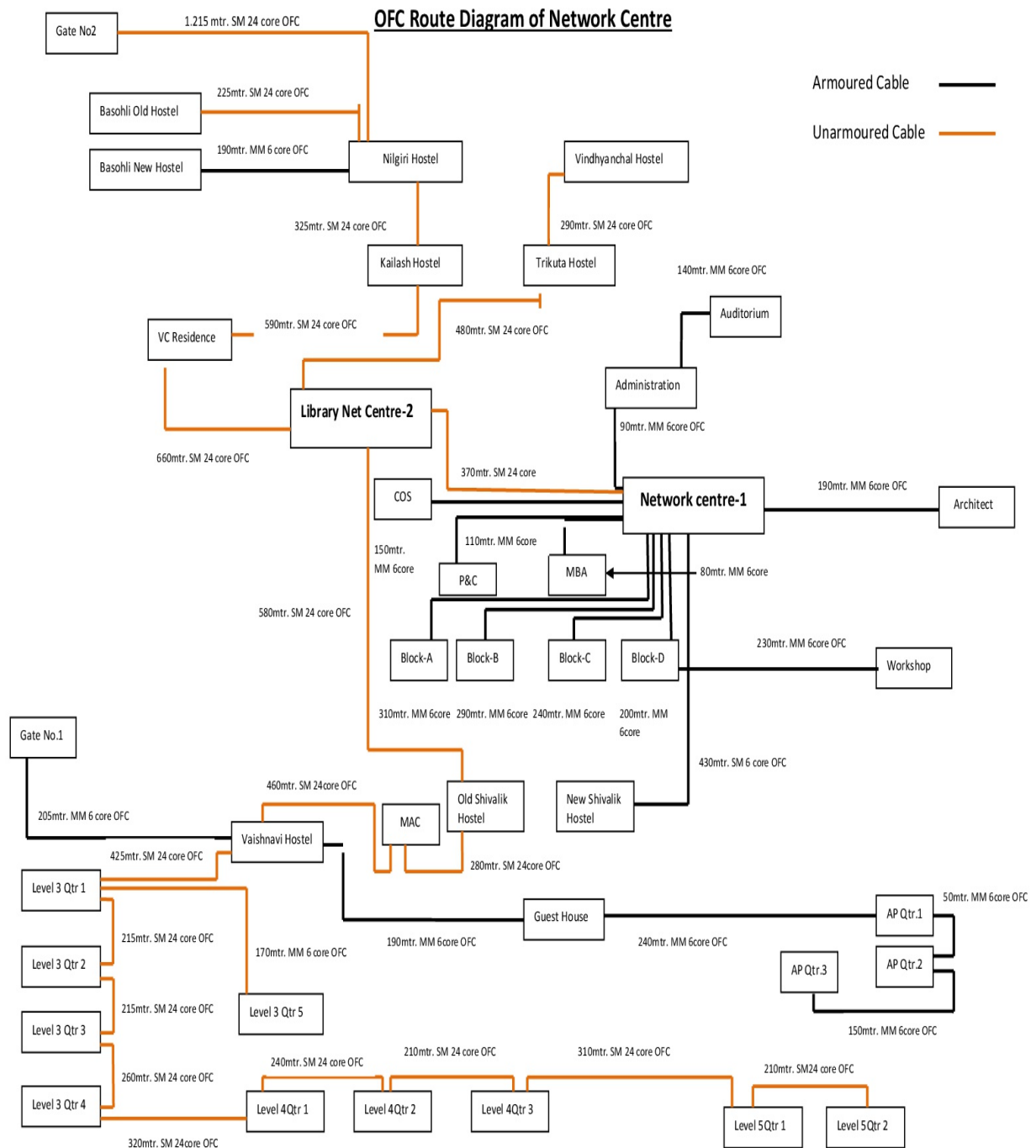
S.No.	Active Components	Quantity
1	Sun Fire – X4100 Servers	8
2	Sun FireV240	2
3	IBM Server	1
4	Dell Blade Server with M1000e Chassis	6
5	ERP Test and Live Server	2
6	Dell High performance computing Server	1
7	Cisco Firewall 515E	2
8	Huawei Firewall Eudemon 200E Series	1
9	Juniper NKN Router	1
10	Cisco Router 1800, 2821 KM, 2621	3
11	Inventum MSG-2015 (UTM)	1
12	Huawei Quidway s9303 Core Switch	1
13	Cisco 4507R Core Switch	1
14	Cisco 24 Ports Switch	28
15	Cisco 48 Ports Switch	20
16	HP 1910 24 G Port Switch	38
17	HP 1910 24 Ports Switch (POE)	36
18	Huawei 24 Potrs Switch (POE)	35
19	D-Link 24 Ports Switch (POE)	29
19	D-link 8 Ports Switch (POE)	37
20	Extreme Switches 24/48Ports	18
21	Linksys 24 ports Switch	16
22	HP 2530 24G Switch	3
23	D-Link DAP 3662 Outdoor Access Point	5
24	Cisco 4410N wireless Access point	30
25	HP M20N wireless Access Point	22
26	D-Link DAP 2230 Access Point	331

SMVDU Network Diagram



Forty-Seven numbers of vlans configured for network communications in different blocks of SMVDU

(172.17.0.0 – 172.17.X.X)



1. The university constantly endeavours to upgrade the IT based faculties being provided to all stakeholders based on the need and demand.

2. The Network Centre signed an MoU with Google Inc. for providing the Cloud Based Services, i.e. Google Apps for education to all university officials, faculty & staff members, research scholars and students of SMVDU. Google Apps for education is a package of online applications that makes communicating and collaborating at SMVDU easier and more efficient. Under this agreement, access is available to multiple services, including G-mail with over 30 gigabytes of storage, Google Docs, Google Calendar & Google Talk.

3. Over 25 online workshops have been conducted through virtual classroom facility under NMEICT using AVIEW. Thus, a new era begun at SMVDU of providing online teaching to the students of SMVDU by the professors from IIT's, IISc's, and other reputed institutions.
4. The NPTEL chapter has established at the university for the benefit of students and faculty members.
5. The Internet Lab is used frequently for online quiz, and on-line tests conducted by the companies participating during the placement process.

Telecommunication Section

To facilitate the telecommunication needs of the university, the Telecommunication sector had installed latest 4000 V2.0E simplex IP ready Siemens communication server.

Through 576 Analog Extension's (Expandable up to 1392 Extensions), 24 Digital Extensions, 32 trunk lines with CLIP facility on each extension along with 10 JIO numbers with wi-fi (voice and Data) and Toll free numbers facility, the university meets the communication needs. Locking/unlocking, DND, calls Pickup, Call forwarding, Polarity Reversal; add on conference (3-Party), the EPABX system is providing 24x7 telecommunication services on campus.

The voice mail is also operational in the system which enables the outsiders to reach any extension without any help from the operator. Library has 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, hostels, campus, university entrance, residential complex and external services, like Bank, Post office, etc. are connected with our EPABX system through underground cable. The cable is laid in the entire campus to provide the EPABX extension and BSNL land-line numbers anywhere in the campus as per need.

The upgraded BSNL ISDN (Integrated Service Digital network), 512 telephone line exchange and mobile towers are installed on campus explicitly for the current and potential requirements of the university. This exchange has provided the lease line in the campus as well as outside the campus. The villagers in the adjoining areas are also taking the advantage of fault free telecommunication services.

Fourteen direct BSNL landline connections, six BSNL GSM and two Airtel GSM 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. The SMVDU Telecommunication section has 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 employs two highly trained technical staff who provide 24x7, fault free services on campus. Also, the section provides a one roof, one stop

solution for communication needs of all members of the SMVDU family by organizing "SIM MELA", a unique interface between all service providers of J&K and SMVDU members. The campus is covered under 4G services from JIO and the facility for Wi-Fi from direct fiber is in process.

The telecommunication section is committed to serve the SMVDU and its members with latest technology and services as per the international standards. The section aims to maintain high standards of QoS.

Training & Placement Cell



Shri Mata Vaishno Devi University established a Training & Placement Cell which consists of student coordinators, faculty coordinators, T&P Officer and staff members. The Training & Placement cell assists in summer training and campus placements for the graduating students at SMVDU. The Training & Placement officials and the volunteers provide possible assistance to the recruiters for pre-placement discussions, conducting tests & interviews and hospitality of the campus hiring Team. The hospitality and the functioning of the Placement Cell at SMVDU is applauded and well received by the visiting recruiters every year.



Motivation Lecture by Mr. Chetan Bhagat



Campus Placement Team from Cummins India



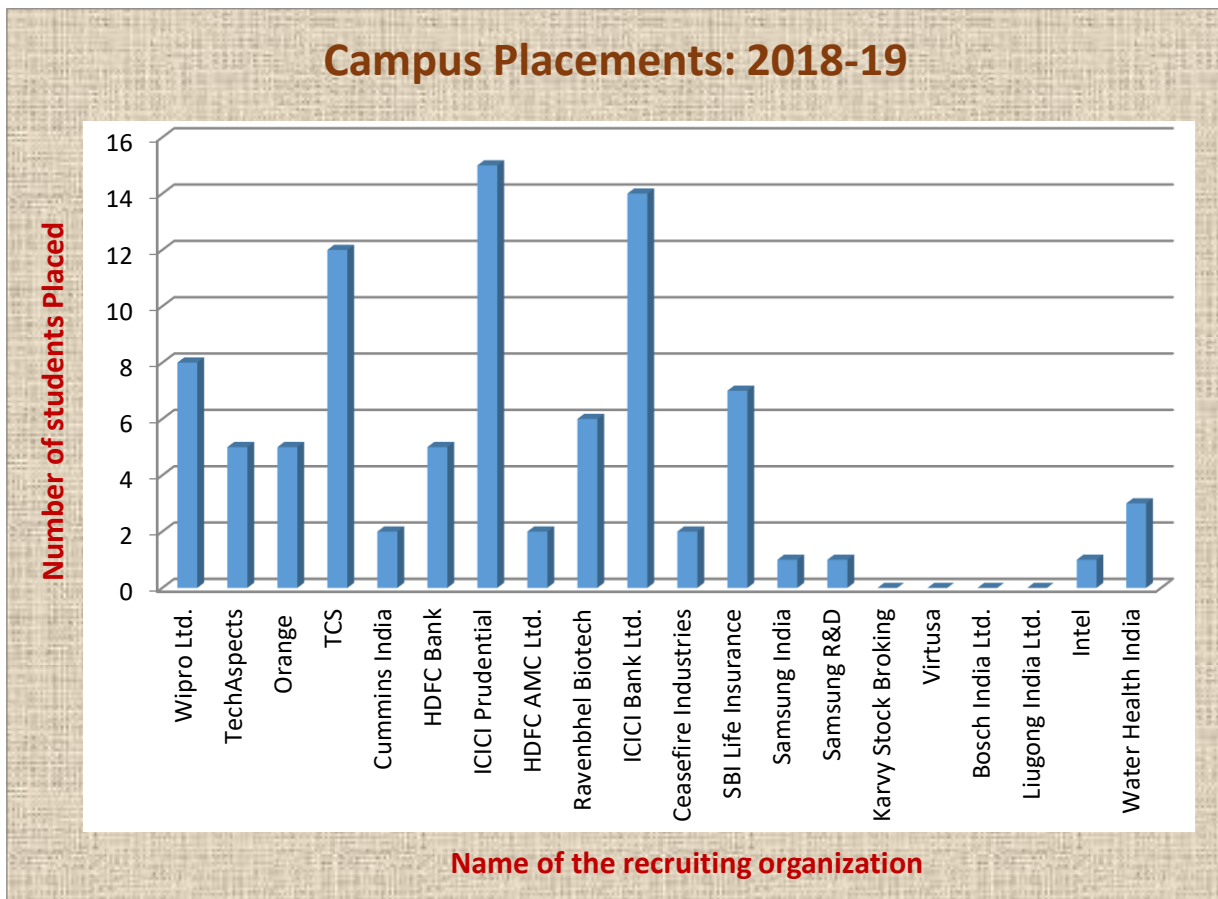
Campus Placement Drive -2019 by Wipro



Vice President from Bosch interacting with students

SMVDU offers the following facilities to the recruiters:

1. Lodging and boarding facility for the campus recruitment team;
2. Local Transportation from Jammu Airport/ Railway Station, and for sightseeing;
3. University Infrastructure:
 - State-of-the-art auditorium "Matrika" of 1000 audience capacity;
 - Seminar hall "Sanskriti Kaksh" of 300 sitting capacity;
 - Four special lecture theaters of 150 sitting capacity;
 - 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.



Supporting Innovation at SMVD University

1. The SMVDU-TBIC was established at Shri Mata Vaishno Devi University, Kakryal, Katra and registered with the Registrar of Societies, Government of Jammu and Kashmir under Societies Registration Act VI of 1998. The SMVDU-TBIC was established with the grant-in-aid from NSTEDB, Department of Science and Technology, Ministry of Science and Technology, Government of India and Shri Mata Vaishno Devi University, Katra. The SMVDU-TBIC is a 24*7 Wi-Fi enabled open facility for all the incubated companies to work round the clock as per their convenience.
2. The SMVD University is continuously encouraging the spirit of entrepreneurship among the people of the state of J&K. As a result, it has received more than 150 innovative idea applications for incubation and has successfully incubated 12 Start-ups through its Technology Business Incubation Centre (TBIC).
3. The SMVDU-TBIC has received the 1st instalment of Rs. 63 Lakh of approved amount of Rs. 2.1 Crores from the NSTEDB DST under NIDHI-SSS as fund support to innovative Start-ups. This has given a huge boost to the business of incubated Start-ups. The first screening committee meeting of the Nidhi committee has been completed recently to review the progress of incubated Start-ups.
4. The SMVD University through its Technology Business Incubation Centre has facilitated 12 company registration for the innovative business ideas. The Centre organized the Innovation Challenge 2018 in two phases which went on for a month. This event attracted maximum participation from J&K. The TBIC has also increased the prize money for this competition (1st Prize 15000; 2nd Prize 10000; 3rd Prize 7000) as compared to the previous year. The SMVD University organized Hackathon 2018 in the month of May 2018.
5. The SMVDU-TBIC also established a Memorandum of Association with J&K bank on 10th October, 2017, in order to facilitate soft loan facility to the registered incubated Start-ups. Promotional activities, including print media (brochures/posters/standees, etc.), social media (Facebook/Twitter/LinkedIn) and advertisements in leading newspapers of J&K has been done continuously. The university is also collaborating with various radio channels to increase the promotions and awareness among people. The SMVDU-TBIC is continuously advertising to highlight the objective of SMVDU TBIC, and to attract more innovative ideas from the J&K State. The SMVDU-TBIC placed a stall in MUDRA PROMOTIONAL CAMPAIGN of GoI in Jammu, in order to promote the activities of SMVDU-TBIC. Dr. Jitendra Singh, MoS, PMO Office, being the Chief Guest of the event. The Campaign was attended by MSMEs and was open to general public. The SMVDU-TBIC was the only university incubator that participated in this campaign.
6. Establishment of patent facilitation mechanism through SMVDU IPMSC (IP management standing committee).
7. Engagement of K&S Partners with SMVDU TBIC for legal advice and assistance concerning Intellectual Property Right matters.

8. The SMVDU TBIC has successfully registered on GeM website for the procurement of various items (Computing Device etc.) from Government e- Market place, and purchased latest config HP desktops for Incubatees.
9. The SMVDU-TBIC has conducted an Incubatee Connect Meet to review the progress of its registered Startups and to give them a platform to network with each other.
10. Supported various events like Titiksha - technical festival of SMVDU to motivate students to technology startups and entrepreneurship.
11. Created Students Innovation Club for SMVDUians- a step taken where students get a platform to turn their ideas and innovative thoughts into reality. The club will help these budding ideas by giving them a boost to convert ideas into invention of something appreciable and significant.
12. The TBIC has successfully incubated 7 more Start-ups as the Virtual Incubatees.
13. Disbursement of seed grant as per recommendation made under 1st NIDHI-SSS Screening committee meeting conducted for Start-ups incubated at SMVDU-TBIC.
14. Workshop on Importance of Intellectual Property Rights held on 23rd August 2018
15. The TBIC joined hands with Start Up India as their National Incubation Partner and is a part of their Start Up India Yatra. This partnership provided a national recognition to SMVDU TBIC. In this Yatra, ideas from multiple states (Himachal Pradesh, Maharashtra, Hyderabad etc) were screened by TBIC and suitable candidates were invited to present their detailed business presentation. Based on the ideas and its feasibility, they were offered Physical/Virtual Incubation with the TBIC. The TBIC received 85 ideas from J&K state.
16. Preliminary screening held in the month of 5th October, and two candidates were offered physical incubation with TBIC which made a total of 14 physical incubatees as of December 2018. Among these, the majority of the start-ups were established by the students/alumni of the university.
17. TBIC organized various events and challenges as below:
 - Rural Innovation: In this event, 18+ ideas were received and 8 have been offered virtual incubation with TBIC. In addition to the offer, an amount of 20K has also been disbursed to these 8 students which will be leveraged to build a prototype of their product. Their prototype will be evaluated after 3 months, and based on that they will be offered physical incubation with TBIC.
 - A 3- Minute Innovation Challenge: This challenge was floated nationwide, and a total of 236 ideas were received. Based on the estimates, 30 offered virtual/physical incubation with TBIC. Out of these 236 ideas, 4 ideas submitted by the SMVDU students.

- TBIC scheduled a session with first year students of SMVDU who gave a test for entrepreneurial ability. These students had a knack for business, and they were called for an interactive session with TBIC team in which they were made aware about filing patents, registering companies and getting incubation for their innovative ideas.
18. The TBIC conducted the 6th Managing Council Meeting on 9th October, 2018, where various promising initiatives were taken including revised IP policy and Faculty Start Up Policy based on premier institutes in India (IITs etc) and abroad (MIT, Stanford University etc). This was done for the promotion and strengthening of the entrepreneurship culture in the institution by encouraging faculty to have their own start-ups with the support of host institution.
 19. A tinkering lab was established in SMVDU with support from SMVDU TBIC and TEQIP III funding to encourage innovative and interdisciplinary activities and research among students and faculty with amenities like 3D printer, 24X7 internet facility, Biometrics and CCTV surveillance, high end computing machines, projectors etc.
 20. The TBIC completed the IPMSC meeting on 15th November, 2018, in which various IP related updates were discussed among the members. Technology Transfer agreements, connecting with external agencies for international patent and creation of separate bank account for funding purpose were also discussed.
 21. Various institutions, such as IIT Jammu, GCET Jammu and University of Kashmir personnels expressed interest and reached out to SMVDU TBIC team to know more about Incubation Centres. Two successful meetings were held with IIT Jammu & GCET Jammu.
 22. The TBIC signed an MoU with TEQIP in which it was agreed that any start-up which would be seeking incubation with TBIC via TEQIP was taken directly for physical/virtual incubation.
 23. The TBIC procured a 3-D Printer which would be helpful for aspiring entrepreneurs in building a prototype of their idea.
 24. The TBIC conducted a preliminary screening of 30 ideas wherein 18 were shortlisted for the next round of business presentation scheduled in January and suitable candidates were offered virtual/physical incubation.
 25. TBIC also reached out to Hero MotoCorp for seeking sponsorship opportunities for various projects undertaken by TBIC and establishing a long-term relationship with them.
 26. As per the guidelines received from MHRD, an Institute Innovation Council (IIC) was established. Two students from SMVDU were nominated as members of the council to promote entrepreneurship and decision making among students.
 27. The TBIC completed and submitted ARIIA Survey for university ranking purpose.

28. The TBIC organized 2nd Nidhi Seed Support meeting on 11th January, 2019 in which incubatees presented their progress and roadmap of 2019 along with the financial requirements. The financial requirements are currently under consideration. As proposed in the last meeting, an expert from J&K bank has been appointed as an external member.
29. The TBIC participated in the NAAC visit and apprised the team about TBIC activities. The NAAC team interacted with the incubated companies and discussed their business model and future roadmap.
30. The TBIC organized 5th Governing Council meeting on 13th February chaired by HVC SMVDU and presented the overall activities carried out in the TBIC in the year 2018-19. The TBIC team also apprised the committee members about the action taken on the goals set for TBIC. The future roadmap and the planned activities were also discussed in this meeting.
31. The team TBIC visited Resurgence Yuva Conclave 2019 at IIT Delhi on 16th February, 2019, Hauz Khas.
32. A three-day workshop-cum-training of using a 3D Printer for prototype development successfully concluded at the Tinkering Lab at SMVDU on 26th March, 2019.
33. The TBIC was invited by Government College of Engineering and Technology (GCET), Jammu for 6th National Conference & Exhibition on Emerging & Innovative Trends in Engineering Technology (NCEEITET) on 15th March 2019.
34. SMVDU TBIC was invited by DST, GoI to attend the Nidhi SSS Review meeting, held at EDII Ahmedabad on 11th April, 2019.
35. As per the guidelines of Institute Innovation Council (IIC), MHRD Innovation Cell, a national level competition was conducted on :

Category A

- Cyber Security
- Artificial Intelligence and Machine Learning
- Bioscience and Biotechnology
- Medical Device and Health Care
- Mobile & Smart Phone Technology
- Automobile Technology & Transportation
- Clean Technology

Category B

- Agriculture and Food
- Affordable Health Care
- Affordable and Renewable Energy
- Clean and Portable Water
- Sanitation, Waste Management

- ICT and IOT
- Environment

59. SMVDU TBIC applied for ISBA Membership as recommended by Dr. Usha Dixit and was the primary member of ISBA network.

60. TBIC signed an MoU with Yogananda College of Engineering and Technology on 3rd June, 2019 Jammu in which it is agreed that the shortlisted ideas of YCET will be directly taken for virtual/physical incubation by SMVDU TBIC.

Medical Aid Centre

Facilities/Staff at Medical Aid Centre

Good health care facilities are pre-requisite for any residential campus and Shri Mata Vaishno Devi University Medical Aid Centre provides services to all employees and students.

The Medical Aid Centre extends its facilities for the health care to the residents; services are also extended to all the inhabitants of the nearby villages, CRPF camp personals and DPS students.

The details of personnel involved in the functioning of Medical Aid Centre are:

S.No.	Name	Designation
1	Dr. Pallav Sharma	Medical Officer (on leave)
2	Dr. Anju Sharma	I/C Medical Officer
3	Dr. Supinder Singh	Dy. Medical Officer
4	Dr.Neha Sethi	Dentist (on contract)
5	Dr.Gurpreet Soodan	Physiotherapist(on contract)
6	Ms.Shuchita Jain	Dietician (on contract)
7	Ms.Amanpreet Kour	Educational Psychologist/Counselor(on contract)
8	Mr. Vijay Kumar	Laboratory Assistant (Pathology)
9	Mr.Vinod Kumar	Pharmacist
10	Mr. Manish Kumar	Pharmacist
11	Ms. Basanti Kumari	Staff Nurse
12	Ms. Shilpa Sharma	Staff Nurse
13	Mr. Ravi Kumar	Driver
14	Mr. Sohan Lal	Helper
15	Mr.Darshan Lal	Helper
16	Mrs. Raj Devi	Sweeper

Facilities

OPD

OPD services are available to all the inhabitants of the university. Emergency services are available round the clock. Medicines are dispensed free of cost among students.

ENT Section

ENT services are available on all working days of the university.

Laboratory

A well equipped clinical laboratory with semi-auto analyser is functional in the Medical Aid Centre.

Physiotherapy Unit

A physiotherapy unit functions with all latest physiotherapy equipments.

Dietician and Psychologist are also available at SMVDU.

Ambulance Services

Ambulance services are available round the clock for referral in extreme emergency.

Referral

Referral to Government Medical College, Jammu/ASCOMS Sidhra/CHC Katra/Shri Mata Vaishno Devi Narayana Superspeciality Hospital, Kakryal, in extreme cases.

Pharmacy

A well stocked and 24 hours open Pharmacy is situated at Medical Aid Centre from January 4th 2016.

Ward

Separate wards for male and female indoor patients. A dental unit is functional with all latest dental equipments. A dietician and psychologist are also available in MAC. The OPD services are also rendered to inhabitants of nearby villages, CRPF camp personnels and DPS students.

From 1st July 2018 to 30th June 2019 total numbers of patients seen in OPD: 10586.

Entrepreneurship Development Cell-SMVDU

The EDC-SMVDU blends technical inputs with entrepreneurial and managerial skills in academic programmes and trains students as well as youth of the region for entrepreneurial challenges through various entrepreneurial activities and programmes. It provides effective linkages with various Schools of the campus to bring about

entrepreneurial culture for optimal utilization of the expertise and resources. It also networks with other agencies involved in entrepreneurship development and conducts short term courses, MDPs, Faculty Development Programmes (FDPs), Entrepreneurship Skill Development Programmes (ESDPs), Business Plan competitions, Entrepreneurship Awareness Programmes (EACs), Management Development Programmes (MDPs), Special Lectures, etc. in association with various government and non-government bodies.

Major objectives of EDC-SMVDU are: to provide entrepreneurial training to the youth in the region; to promote rural and women entrepreneurship in the region; to provide rigorous training for entrepreneurial development in the courses being taught in different Schools in the university; and to make the unemployed youth of the region familiar about starting and running small and rural industry successfully.

Activities of Entrepreneurship Development Cell, SMVDU

Following are the list of selected events conducted by Chief Coordinator, EDC-SMVDU, related to Entrepreneurial Practices.

- Organized a two-week National Faculty Development Programme on 'Entrepreneurship Development' sponsored by DST-NIMAT Project, GoI from 10th December to 21st December, 2018.
- Organized an Entrepreneurship Awareness Camp, sponsored by DST-NIMAT Project, GoI from 27th-29th September, 2018.

Technical Education Quality Improvement Program – TEQIP-III @ SMVDU

Technical Education Quality Improvement Programme (TEQIP) was envisaged, by Ministry of HRD (MHRD) as a long-term programme of about 10-12 years duration to be implemented in 2-3 phases for transformation of the Technical Education System with the **World Bank assistance**. The project is monitored and implemented across the country by the **National Project Implementation Unit (NPIU)** of MHRD.

As per TEQIP design, each phase is designed on the basis of lessons learnt from the implementation of an earlier phase. TEQIP-I started a reform process in 127 Institutions. The reform process needs to be sustained and scaled-up for embedding gains in the system and taking the transformation to a higher level. To continue the development activities initiated through TEQIP-I & TEQIP-II, the third Phase TEQIP-III has been started by MHRD with the duration from **April 2017 till September 2020**.

The objectives of the TEQIP project are as under:

- a) Strengthening Institutions to produce high quality engineers for better employability,
- b) Scaling-up postgraduate education and demand-driven Research & Development and Innovation,
- c) Establishing Centers of Excellence for focused applicable research,
- d) Training of faculty for effective Teaching, and
- e) Enhancing Institutional and System Management effectiveness.

In addition to these the objectives added to the **TEQIP-III Project** are as under:

- a) Improving quality and equity in engineering institutions **in focus states** viz. 7 Low Income States (LIS), eight states in the North-East of India, three Hill states viz. Himachal Pradesh, **Jammu & Kashmir**, Uttarakhand and Andaman and Nicobar Islands (a union territory (UT) – **All under Sub-Component 1.1**
- b) System-level initiatives to strengthen sector governance and performance which include widening the scope of Affiliating Technical Universities (ATUs) to improve their policy, academic and management practices towards affiliated institutions, and
- c) **Twinning Arrangements** to Build Capacity and Improve Performance of institutions and ATUs participating in focus states.

The funding under the project TEQIP-III is primarily restricted to the Engineering Programs and Departments approved by AICTE; however assisting departments can also be covered. It is expected that the engineering departments of the university will significantly benefit by implementation of the TEQIP-III project and this will go a long way in enabling the university to meet its objective of being a Technical Institution of National Importance. Besides all this, the TEQIP project is considered very prestigious since funding is made available by World Bank through MHRD, GoI to carefully selected institutions. It is pertinent to note that the funds allotted to the university can be significantly enhanced by MHRD depending upon the performance of the university in the project.

After due consideration, the university has been included under the **TEQIP-III project (Sub-Component 1.1- Strengthening Institutions in Focus States)** by MHRD through NPIU, with a **Project grant of Rs.10.00 Crore** to be utilized **till September 2020** and **JNTU College of Engineering, Hyderabad** has been assigned as the **Mentor Institution**. The Mentor institution, is an institution under Component 1.3 and has participated in the previous versions of TEQIP project. The Mentor is expected to provide all assistance to the mentee institution (SMVDU) in meeting the objectives of the project with special emphasis on providing Industrial Interface. .

The project is being implemented at the university by the TEQIP-III Cell with active support of all Heads of schools & Deans under the guidance of Hon'ble Vice chancellor. Under the project the following areas have been of key focus:

1. Improvement in quality of Laboratories, Library, Digital Content
2. GATE Training & Employability Skill Training
3. Improvement in governance
4. Improvement in Skills of faculty members by participating in Conference, Seminar, Symposium, Workshops
5. Support for Research activities of Faculty members & students
6. Scholarship/Assistantship to Ph.D.Students
7. Industry exposure to students
8. Improving Life skills of Students
9. Assistance to students for presenting papers at Conferences & attending Workshops
10. Promoting Start-ups
11. Promoting IPR by assistance for filing of Patents
12. Promoting Environmental enhancement
13. Promoting assistance and facilities for students at disadvantage including Physically Disabled & Female students
14. Promoting quality Publications
15. Promoting Automation of Processes
16. Providing support for establishment of Students chapters of Professional bodies

The performance of the university in the implementation has been appreciated and in the 2nd Performance Audit conducted in August 2019, the university improved upon its performance as compared to previous year. This has also been appreciated by NPIU as an additional grant of Rs. 1.00 crore has been given to the university.

Directorate of Quality Assurance (DQA)

In pursuance of its Action Plan for performance evaluation, assessment and accreditation and quality up-gradation of institutions of higher education, the National Assessment and Accreditation Council (NAAC), Bangalore proposes that every accredited institution should establish a Directorate of Quality Assurance (DQA) as a post-accreditation quality sustenance measure. Since quality enhancement is a continuous process, the DQA becomes a part of the institution's system and works towards the realisation of the goals of quality enhancement and sustenance. The prime task of the DQA is to develop a system for conscious, consistent and catalytic improvement in the overall performance of institutions. For this, during the post accreditation period, it channelizes all efforts and measures of the institution towards promoting its holistic academic excellence.

The work of the DQA is the first step towards internalization and institutionalization of quality enhancement initiatives. Its success depends upon the sense of belongingness and participation it can inculcate in all the constituents of the institution. It will not be yet another hierarchical structure or a record-keeping exercise in the institution. It will be a facilitative and participative voluntary system/unit/organ of the institution. It has the potential to become a vehicle for ushering in quality enhancement by working out planned interventionist strategies to remove deficiencies and enhance quality like the "Quality Circles" in industries.

Quality Policy

Harnessing excellent academic environment infused with integrity, professionalism and human values for continuous intellectual & personal development through participative and transparent mechanism.

Objective

To develop a system for conscious, consistent and catalytic action to improve the academic and administrative performance of the institution.

To promote measures for institutional functioning towards quality enhancement through internalization of quality culture and institutionalization of best practices.

Scope

- Ensuring timely, efficient and progressive performance of academic, administrative and financial tasks;
- The relevance and quality of academic and research programmes;
- Equitable access to and affordability of academic programmes for various sections of society;
- Optimization and integration of modern methods of teaching and learning;
- The Credibility of evaluation procedures;
- Ensuring the adequacy, maintenance and proper allocation of support structure and services;
- Sharing of research findings and networking with other institutions in India and abroad.

Functions

- Development and application of quality benchmarks/parameters for the various academic & administrative activities of the university;

- Facilitating the creation of a learner-centric environment, conducive to quality education and faculty maturation to adopt the required knowledge and technology for participatory teaching and learning process;
- Arrangement for feedback response from students, parents and other stakeholders on quality-related issues;
- Dissemination of information on various quality parameters of higher education;
- Organization of inter and intra institutional workshops, seminars on quality related themes and promotion of quality circles;
- Documentation of the various programmes/activities leading to quality improvement;
- Acting as a nodal agency of the Institution for coordinating quality-related activities including adoption and dissemination of best practices;
- Development and maintenance of institutional database through MIS for the purpose of maintaining/enhancing the institutional quality;
- Development of Quality Culture in the institution;
- Preparation of the Annual Quality Assurance Report (AQAR) as per guidelines and parameters of NAAC, to be submitted to NAAC;

Gender Sensitization Committee against Sexual Harassment

Gender sensitization against Sexual harassment on campuses is a *sine qua non* of peaceful and respectful living. Sexual harassment can happen at work places, institutions, in the family or on the streets. Even in an enlightened institution like a university campus, sexual harassment cannot be very uncommon.

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 judgement on the Writ Petition (Criminal) Vishaka vs. State of Rajasthan, it has been found imperative to constitute a body in the university to work for the awareness and deterrence of any gender based mal practices. With the aim of constituting a legally formalized Cell to address gender issues it is hereby proposed to constitute gender sensitization committee against sexual harassment (GSCASH) in Shri Mata Vaishno Devi University.

Aims and objectives

Sexual harassment policy of SMVD University will be commits to providing a place of work and study free of sexual harassment, intimidation or exploitation. It is expected that all students, faculty, staff, *karamcharis* and officials treat one another and visitors to the University with respect. All members of the university community, including those who are in temporary or short term positions are subject to this policy. Anyone violating this policy will be subjected to disciplinary action.

Functions of GSCASH:

The GSCASH is proposed with following three major functions:

- Gender Sensitization and Orientation;
- Crisis Management and Mediation; and
- Formal Enquiry and Redressal

Reports of sexual harassment will be taken seriously and will be dealt with promptly. The university recognizes that confidentiality is important. The university respects the confidentiality and privacy of individuals reporting or accused of sexual harassment to the extent reasonably possible. Reprisals against an individual who in good faith reports, or provides information in an investigation, about behaviour that may violate this policy, are

against the law and will not be tolerated. Intentionally providing false information, however, is a ground for disciplinary action.

Members of the Gender Sensitization Committee Against Sexual Harassment (GSCASH)

i) Chairperson

Dr. Ratna Chandra, Assistant Professor, SoBT, Chairperson

ii) Two faculty members (at least one woman)

Dr. Kamni Pathania, Assistant Professor, SoP

Dr. Pabitra Kumar Jena, Assistant Professor, SoE

iii) Two students (at least one woman)

Ms. Neha Sharma (15BEC015)

Mr. Ratandeep Sharma (15BEC017)

iv) One woman officer and one woman staff member

Ms. Bhawana Mishra, Assistant Registrar

Ms. Kiran Nagapal, Junior Assistant

v) Two wardens (at least one woman)

Dr. R K Jha, Associate Professor, SoECE/Warden, Vindhyachal Hostel

Dr. Sakshi Arora, Assistant Professor, SoCSE/Warden, Shivalik Hostel

vi) One eminent woman academician from outside university

Dr. Rajni Dhingra, Professor, Dept. of Home Science, University of Jammu

Name of the Section: Industrial Research & Development Unit**Projects sanctioned during 2018-19:**

Title of the Project	Funding agency	Amount sanctioned	Status/ Duration
Engineering of the Insulin-producing probiotic yeast <i>Saccharomyces boulardii</i> and exploration of its applications as therapeutics for diabetes (RP-99) (PI- Dr. Narendra K Bairwa, AP ,SoBT)	SERB	Rs.47,56,000/-	4 years
Active radar absorbers based on frequency selective surfaces: Active stealth technology (RP-100) (PI-Dr. Kumud Ranjan Jha, Associate Professor, SoECE, CO-PI-Prof. Ghanshyam Singh, JUIT, Solan, H.P. , Co-PI	Defence Research and Development Organization	Rs.22,87,000/-	2 years
Availability, utilization and digital document of non-timber bio resources for sustainable rural livelihood and decision support system for the rural households in the Northwest Himalayas (RP-101) {Mr. Shashi Bushan Kotwal (AP, SoECE), Mr. Ashish Suri (AP, SoECE) and Mr. Swastik Gupta (AP, SoECE)}	National Mission on Himalayan Studies (NMHS), GBPNIHESD.	Rs.3,17,548/-	3 years
Bharti Ariaan Chair, SMVD University	Airtel	Rs. 5,00,00,000/-	-
A study on Orlicz sequence spaces and their operators (RP-102) (PI-Dr. Kuldeep Raj, Assistant Professor, SoM)	Council of Scientific and Industrial Research	Rs.6,32,000/-	3 years
Research Start-up-Grant for the year 2018-19 under revenue, titled "Automatic monitoring of plants based on leaf segmentation" (RP-103) (PI-Dr. Abhishek Gupta, AP SoCSE)	UGC-BSR	Rs.10,00,000/-	2 years
National Post-Doctoral Fellowship (NPDF) (RP-104) {Dr. Ankit Mahajan Dr. Swarkar Sharma, AP, SoBT (mentor)}	SERB-DST, GOI	Rs.19,20,000/-	2 years
A comprehensive study of Culture, Philosophy, Literature and Language (RP-105) (Co-PI- Dr. Amitabh V Dwivedi , AP, SOLL)	ICSSR	Rs.1,05,000/- (Fellowship for 2 research scholars)	1.5 years
Centre for Advance Research (CAR) entitled 'To restraint or regulate the reproductive health issues of human from J&K' (RP-106) (Dr. Rakesh Kumar, SoBT,PI and Dr. Swarkar Sharma, Co-PI)	Indian Council of Medical Research (ICMR).	Rs.9,10,00,000 /-	5 years

India's Financial inclusion: Determinants and Impediments" under Impactful Policy Research in Social Science (IMPRESS) of ICSSR (RP-107) (PD- Dr. Arif Billah Dar, AP)	ICSSR	Rs.2,70,000/-	1 year
Royal Society International Collaboration Award' entitled "Increasing resilience to Earthquakes in North India" awarded by the Royal Society, London (RP-108) (PI-Dr. Sunil Kr. Wanchoo)	Royal Society, London	-	3 years
An Empirical Study of Bank Credit Risk Management Using Big Data Analytics" under domain Growth, Macro Trade and Economic Policy (RP-109) (PI-Dr. Ashutosh Vashistha, CO-PI-Dr. Amit Kant Pandit)	ICSSR	Rs. 15,00,000/-	2 years
Heavy, Toxic , and Trace Metal Detection in Biological Samples gallstones and Kidney stones using EDXRF and PIXE Spectroscopic Techniques (PI- of Dr. Viviek Singh, AP, SoP) (RP-110)	UGC-DAE CSR	Rs.30,000/- for consumable (one year) + Rs.15,000/- for contingency (one year) + fellowship for one research scholar (one year)	3 years

Projects closed during 2018-19

Title of the Project	Funding agency	Amount sanctioned	Status/ Duration
Earthquake hazard evaluation in Jammu and Kashmir Himalaya and western Indo-Gangetic Plains (PR-78, PI-Dr. S.K.Wanchoo, AP)	UGC-UKIERI	Rs.17,81,400/-	2 years
Engaging employees: an insight from small and medium enterprises (SMES) of Jammu Region, J&K State (RP-85, PI- Dr. Arti Devi, AP)	UGC	Rs.9,18,400/-	3 years
Transient solutions of markovian queuing models with customer impatience and retention of renege customers (RP-87, PI-Dr. Rakesh Kumar, AP)	UGC	Rs.9,89,000/-	3 years