SAU

SOUTH ASIAN UNIVERSITY

ANNUAL REPORT 2013

KNOWLEDGE WITHOUT BORDERS

ANNUAL REPORT 2013

A University established by South Asian Association for Regional Cooperation (SAARC)

Afghanistan   Bangladesh   Bhutan   India   Maldives   Nepal   Pakistan   Sri Lanka

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LEARNING AND THINKING TOGETHER:
SOUTH ASIAN UNIVERSITY MARCHES AHEAD

South Asian University, now in the fourth year of its academic running, is inching forward to achieve, *inter alia,* its most avowed objective of fostering a high degree of Regional Consciousness, the signals of which so far are quite propitious. The summary lesson from the SAU, even at this early stage of its existence is that, give-and-take and seeing through each other's viewpoint, can flourish well, and bring people together in pursuit of solutions to common problems and challenges.

During this academic year, the university has made commendable strides on many a front. Foremost among them, as it brings the university closer to fulfilling one of the primary purposes of its creation – finding newer frontiers of knowledge through research, is the initiation of the research programmes in almost all the Faculties and Departments. In times to come, our research scholars are expected to contribute valuable inter-disciplinary ideas, leading to realistic and doable plans for economic, scientific, socio-political and cultural development of the South Asian Region. This will greatly complement the idea of starting the Institute of South Asian Studies, in due course, which will bring together scholars, with diverse research specializations or diverse academic interests, from all over the world.

The university has been fortunate in adding many more highly talented scholars to enrich the pool of the already formidable pool of faculty. We can now proudly claim of having a highly favourable student / teacher ratio, of 6 students for each faculty member that has a decisive impact on the quality of teaching as also of research.

I am also particularly happy to see the creative expression of cultures, ideas and traditions of the Region through many of the student-organised programmes. What better way to cultivate and learn the art of co-existence, appreciating and respecting one another's culture and points of view than to celebrate them together. Our students have made the joint celebration of Independence Day of India and Pakistan an annual affair and I am sure it will grow bigger with each passing year. It is ocassions like these that give us hope that the university will be able to make a sound beginning towards the goal of inculcating close cooperation amongst student citizens from various South Asian countries, that has been rather elusive through diplomatic and other SAARC initiatives.

The common perception among the concerned stakeholders is that the SAU is well poised to emerge as an enviable and unparalleled example of regional cooperation, as wished by those who invest their faith in this unique institution.

Prof. GK Chadha
President
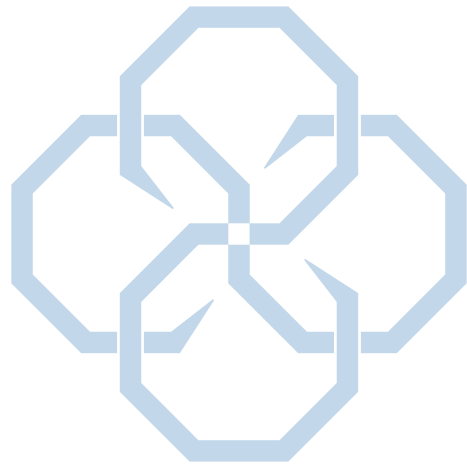
2013 : A PUSH TO RESEARCH AT SAU

The year 2013 would be remembered as the year when we started a Ph.D. programme at the South Asian University. Even though it was our first admission to Ph.D. programme, we received surprisingly high number of applications. For about 35 Ph.D. seats in seven different academic areas, we received about 1200 odd applications. Finally 32 students were admitted to different Ph.D. programmes, 11 of whom are from outside India. SAU is meant to essentially be a research and post-graduate university and with the beginning of the Ph.D. programme, the research part of the university's mandate got a formal push. Special working space was created for Ph.D. students in the areas of Sociology, International Relations and Legal Studies in an ear-marked hall on the Mezzanine floor of the university. Ph.D. students in Biotechnology and Computer Science / Mathematics were provided desks and chairs in their respective laboratories. With the start of the Ph.D. research, the state-of-the-art Biotechnology research laboratory at SAU started humming with research activities. Special care was given to make available on-line databases of research journals through the SAU Library. The eighth floor of Akbar Bhawan was renovated as a hostel for Ph.D. students. The Ph.D. programme will continue in coming years and by the time we expect to move to our own campus in Maidan Garhi, most possibly in the year 2016-2017, we shall have about 100 Ph.D. students in the university.

It has been noticed that many SAU students need extra help with their English language skills. We started a program to provide this help by establishing an English teaching cell. The expert hired for this purpose provided individual help to needy students. The SAU would sustain and further strengthen this programme.

First full batch of 145 students comprising M.A. / M.Sc. / LL.M. students passed out from SAU this year with M.A. / M.Sc. degrees. While convocation for degree distribution could not be organized this year because of scheduling problems, we hope to be able to do so in the year 2014.

Prof. Rajiv K. Saxena
Vice President

DECISION MAKING BODIES OF SAU

GOVERNING BOARD (GB)

The Governing Board of the South Asian University (SAU) is the highest policy and decision-making authority of the university, which oversees the academic, administrative and financial management of the university. The Board is primarily responsible for the liaison with the SAARC Secretariat and SAARC Member States. It consists of two members from each of the SAARC Member States, nominated by the respective Member State, in the manner prescribed in the Regulations.

During the period under report, two meetings of the Governing Board were held on 27.05.2013 and 24.12.2013. Some of the important decisions approved in the Governing Board meetings under report, are as follows:

- The Annual Report of the University for the year 2012;

- The Annual Accounts together with Audit Report for the Financial Years 2010, 2011 and 2012;

- Appointment of University's Statutory Auditors;

- Introduction of Internal Audit System for the University;

- Creation of Gratuity and Leave Encashment Fund;

- Design of SAU Flag;

- Establishment of Quality Enhancement Cell and

- Amendment in Regulations and Bye-laws of the University.

From Left - Mr. Yagya Bahadur Hamal, Mr. Abdul Motaleb Sarker, Dr. A. K. Malik, Dr. Hassan Hameed, Mr. Prasanna Gamage, Ms. Fathimath Amira, Prof. Dr. Mukhtar Ahmed, Dr. Dasho Pema Thinley, Prof. G.K. Chadha, Prof. Aminullah Amin, Prof. Dr. A. K. Azad Chowdhury, Prof. Mohammad Osman Babury, Prof. Rajiv K. Saxena, Prof. (Ms.) Vasanthy Arasaratnam, Mr. Bholanath Pokharel, Ms. Sripriya Ranganathan & Mr. Tshewang Tandin

EXECUTIVE COUNCIL (EC)

The Executive Council (EC) of SAU is the prime body responsible for major executive decisions. Besides senior functionaries of the SAU, the EC has four members who are nominated by the SAARC member states by rotation. The President of the SAU chairs the EC meetings. The Executive Council is vested with the powers to make teaching and other senior administrative appointments on the recommendation of the selection committees, fix their emoluments and define their duties. The Executive Council is also vested with the powers to maintain discipline amongst the teaching, and non-teaching staff in accordance with Rules, Regulations and Bye-laws and manage and regulate finances, accounts and other administrative affairs of the university.

The Executive Council meetings were held twice during the year under report on 08.03.2013 and 10.10.2013.

The Council deliberated upon various administrative and academic matters, and took important decisions. Some of the important decisions considered and approved by the Council are as follows:

- The recommendations of various selection committees for appointment of various faculty members;

- University policy and guidelines, including mechanism for prevention and redressing of sexual harassment and other acts of gender based violence;

- Management of outsourcing of services;

- Teaching Assistant Programme of SAU, and

- Nomination of experts on the selection committee for senior Non-Teaching positions.

ACADEMIC COUNCIL (AC)

The Academic Council (AC) is the custodian of academic activities of the SAU. It is vested with powers to recommend establishment and abolishment of Faculties, Departments, Institutions, Inter-disciplinary Research Centres, Specialized Laboratories and Libraries, etc. The Academic Council is also vested with the powers to recommend to the Executive Council the creation and abolition of teaching posts in the university, draft regulations regarding admission and examinations, appointment of examiners, conferment of honorary degrees and institution of fellowships and scholarships etc.

The Academic Council deliberated upon various academic matters in its meeting held on 31.7.2013. It also noted the factual data of admissions in various programmes of studies in the university in the academic year 2013-14 and declaration of results in respect of students of 2010-13 and 2011-13 batches. The Council also approved the format for award of Degree and Final Grade Sheets.

FINANCE COMMITTEE (FC)

The Finance Committee of the university considers the annual accounts, financial estimates and expenditure proposals. The annual accounts and estimates of the university, duly approved by the Finance Committee, are submitted to the Executive Council for approval.

The Finance Committee deliberated upon various financial matters in its meeting held on 26.07.2013.

The Finance Committee considered the Annual Accounts together with Audit Report for the financial years 2010, 2011 and 2012 as also Auditor's letter to management thereon and recommended to the Executive Council for approval of annual accounts together with Audit Report for the financial years 2010, 2011 and 2012. The Finance Committee noted the expanding level of operating activities in the university and also the Statutory Auditor's recommendation thereon, and recommended introduction of internal audit in the university.

The Committee also recommended creation of gratuity and leave encashment fund and approved that its investment be made by the Committee already constituted for the purpose of Corpus Fund.

SAU ADMINISTRATION

Being a young university, SAU is supported by a limited but efficient set of administrative staff. At present, there are only 42 non-teaching staff in the university. The head of SAARC is the Visitor of SAU. Prof. G. K. Chadha is the President of the university and Prof. R. K. Saxena is the Vice President. Deans are the heads of administration at the Faculty level, being supported by Chairpersons of each Department. Dr. A. K. Malik is the Registrar of the university.

Key University Functionaries

Prof. GK Chadha
President

Prof. Rajiv K. Saxena
Vice President & Dean, FLSB

Prof. Ranjan K. Mohanty
Dean, FMCS

Prof. Sasanka Perera
Dean, FSS

Prof. Yogesh Tyagi
Dean, FLS

Prof. Santosh Panda
Dean, FE

Dr. Ekta Walia Bhullar
Chairperson, DCS

Dr. Siddharth Mallavarapu
Chairperson, DIR

Prof. Rajen Harshe
Chairman, Library Committee

Dr. Ravi Kumar
Chairperson, Dept. of Sociology

Dr. Pankaj Jain
Chairperson, Dept. of Applied Maths

Dr. AK Malik
Registrar

Mr. Keshav Datt
Dy. Director Finance

Mr. Anwar Ul Haq
Dy. Registrar

Mr. Deepak Vats
Dy. Registrar

Ms. Maina Kharga
Dy. Registrar

Mr. B. Bose
Consultant

Mr. Hemant Mansharamani
Asst. Dir. HSS

Ms. Manori Bandara
Asst. Dir. Infrastructure

Dr. Vineet Ghildyal
Asst. Dir. ICT

Mr. Abhishek Kumar
Asst. Registrar

Ms. Chani Vasana Imbulgoda
Asst. Registrar

Mr. Hari Prakash Mandal
Asst. Registrar

Mr. KAD Pushpakeerthi
Asst. Registrar

Mr. Aheibam Prahlad
PRO

Dr. Priyadarshini
Medical Officer

Mr. Abdullah Al Modabber
Asst. Librarian

UNIVERSITY FINANCES

The capital cost of establishing the university estimated to be roughly US$ 440 million for the first phase (2014-17), as per the Inter-Governmental agreement on South Asian University, is to be completely borne by the Government of India. In addition, the Government of India has also provided free of cost, a 100 acre plot of land in South Delhi for setting up the main campus of the South Asian University. Operational cost of running the university is shared, on year-to basis, by all SAARC Member States and the contribution of individual Member States is governed by a formula that has jointly been evolved by the eight countries. Business Plan of the university that contains the university budget figures has been approved by the Governing Board of the university. The Operational and Capital Budgets for the year 2013 were US$ 5.25 million and US$ 3.25 million respectively.

MAJOR HIGHLIGHTS OF THE YEAR

UNIVERSITY CALENDAR

The university followed the academic calendar as approved by its Governing Board.

Moonsoon Semester: July 26 - December 10

Winter Semester: January 11 - May 25

The admission cycle adopted in this academic year was as follows:

1.	Release of Admission Advertisement	:	January 13, 2013
2.	Last date of receipt of completed forms	:	February 25, 2013
3.	Conduct of Entrance Test	:	March 24, 2013
4.	Declaration of Results	:	April 25, 2013
5.	Deadline for Admission Registration	:	July 22-25, 2013
6.	Commencement of Academic Session	:	July 26, 2013

HOSTEL FOR RESEARCH SCHOLARS

Understanding the need to prioritise accommodation for research scholars, the university renovated the 8th floor of Akbar Bhawan through CPWD and converted it to hostel rooms to accommodate M.Phil./Ph.D. students. The hostel rooms were furnished before being allotted to the scholars in July 2013. Hostel rooms are allotted currently on a sharing basis.

READING ROOMS

Fully air-conditioned reading rooms have been created for the students on the Mezzanine floor. The reading rooms, which are open 24X7, provide a quiet atmosphere where any student can study in any of the reading cubicles, which are structured ergonomically to facilitate disturbance-free study. There are separate rooms for the students of Master's programs and research scholars. The reading room for Master's students has a seating capacity of 38 while that of the research scholars has a capacity of 20 with a lockable drawer units.

MEZZANINE FLOOR HALL

The university created a fully air-conditioned multipurpose hall having 200 seating capacity on the Mezzanine floor. It has been further facilitated with two projectors and an advanced sound system. The hall is being used for various occasions such as seminars, workshops and special lectures by the Departments and Faculties.

MESS & HOSTEL COMMITTEE ELECTION

An election to elect the student members of Mess and Hostel Committees was conducted on 11 October, 2013 under the guidance of Dr. Senthil Kumar Venugopal, Assistant Dean - Student Welfare in SAU campus. Equal representation of the students from all the SAARC countries was ensured through the election. The electioneering process was a smooth and successful one.

MULTIPURPOSE FACILITIES

The porta cabins in Akbar Bhawan have been renovated to house multipurpose facilities that include student activity centre, laundry room and rest room for drivers, mess/canteen and maintenance staff. A multi-utility shop will also be opened soon where students can buy stationery and other materials for day to day use.

SAU GOLD MEDAL

The University instituted Gold Medals along with Merit Certificates for programme toppers of each programme in the South Asian University. Listed below are the Gold Medalists for the academic years 2012 and 2013.

Sl. No.	Name	Programme & Year
1.	Ms. Sanya Sachdeva **(India)**	M.A. (Development Economics)/2011-13
2.	Mr. B.P. Sandeep **(India)**	M.A. (International Relations)/2011-13
3.	Ms. Madhulika V. Narasimhan **(India)**	M.A. (Sociology)/2011-13
4.	i) Md. Mostafa Hosain **(Bangladesh)**	LL.M./2011-13
	ii) Mr. Abdullah Al Arif **(Bangladesh)**	LL.M./2011-13
5.	Ms. Dibya Ghimire **(Nepal)**	M.Sc. (Biotechnology)/2011-13
6.	Mr. Amit Kumar Shukla **(India)**	M.Sc. (Computer Science)/2011-13
7.	Mr. Ashraf Uddin **(Bangladesh)**	M.C.A./2010-13
8.	Ms. Nidhi Gupta **(India)**	M.A. (Development. Economics)/2010-12

ACADEMIC PROGRAMMES AND ADMISSIONS

PROGRAMMES OF STUDY

One of the highlighting features of the academic year 2013-14 was the introduction of M.Phil./Ph.D. programmes. Applications were invited from aspirants to seven Master's degree as well as seven M.Phil./Ph.D. programmes for the academic session 2013-14.

For the year under review, the university received applications for the following programmes:

Master's Programmes	M.Phil. / Ph.D. Programmes
M.Sc. Applied Mathematics	M.Phil. /Ph.D. in Applied Mathematics
M.Sc. Biotechnology	M.Phil. /Ph.D. Biotechnology
M.Sc. Computer Science	M.Phil. /Ph.D. Computer Science
M.A. Development Economics	M.Phil. /Ph.D. Economics
M.A. International Relations	M.Phil. /Ph.D. International Relations
LL.M.	M.Phil. /Ph.D. Legal Studies
M.A. Sociology	M.Phil. /Ph.D. Sociology

ADMISSIONS

The process of admission at the South Asian University begins with the breaking of multimedia admission advertisement campaign in major newspapers of all SAARC countries, FM radio stations and select TV channels. Exhaustive information detailing the admission process, eligibility criteria, feedback mechanism, details of admission volunteers and other related information were uploaded on the university website.

Online application system was introduced and became very popular amongst applicants. Downloadable application forms were also made available on the SAU website so that aspirants could have the option of taking print out of the forms, fill them up and send them to the university. Only after each application, received through both online and offline modes, was thoroughly scrutinized to ensure that each applicant met the minimum qualification to appear for the entrance test, admit cards for the entrance test were dispatched to the eligible applicants by email. A common entrance test was conducted simultaneously in 8 SAARC countries on 24 March, 2013. One test centre each was set up in Afghanistan (Kabul), Bhutan (Thimpu), Maldives (Male), Nepal (Kathmandu) and Sri Lanka (Colombo) while two centres each were set up in Bangladesh (Dhaka & Chittagong) and Pakistan (Karachi & Lahore). Understanding the large number of candidates and the wide geographical spread, 12 test centres were set up in different cities in India viz. Bangalore, Chandigarh, Chennai, Delhi, Guwahati, Hyderabad, Jaipur, Kolkata, Lucknow, Mumbai and Patna.

Most SAARC Member States had appointed/nominated Nodal Points to help and interact with SAU on all matters related to the conduct of the common entrance test. The university received full cooperation from the Nodal Point in each Member State. Since Pakistan did not appoint a Nodal Point, the university had to make private arrangements in Beaconshouse National University in Lahore and Federal Urdu University of Arts, Sciences and Technology in Karachi for the entrance test.

A total number of 4133 candidates applied for the programmes on offer. Of these, 3313 appeared in the test and 2166 qualified the admission test. Offer of admission was sent to 250 candidates.

The South Asian University strictly follows a recommended quota system to ensure representation of students from all the Member States of SAARC. Merit lists are prepared country-wise and candidates from the same country compete among themselves for the specified seats. Any seat left unfilled for any country gets filled up by students from other countries, as per SAU rules.

Country-wise quota for students from SAARC & other countries

Country	Overall Seat Quota
India	Not more than 50% seats
Pakistan	10%
Bangladesh	10%
Afghanistan	4%
Bhutan	4%
Maldives	4%
Nepal	4%
Sri Lanka	4%
Countries outside SAARC	10%

Statement showing the number of students who applied, who were offered admission and who finally joined different Master's Level programmes during the Academic Year 2013-14

Country	M.A.(Dev. Economics)			M.A. (Int'l Relations)			M.A. (Sociology)			LL.M. (Master of Laws)			M.Sc. (Biotechnology)			M.Sc. (Computer Science)			M.Sc. (Applied Mathematics)		
	No. of candidates applied	No. of seats offered	No. who joined	No. of candidates applied	No. of seats offered	No. who joined	No. of candidates applied	No. of seats offered	No. who joined	No. of candidates applied	No. of seats offered	No. who joined	No. of candidates applied	No. of seats offered	No. who joined	No. of candidates applied	No. of seats offered	No. who joined	No. of candidates applied	No. of seats offered	No. who joined
Afghanistan	46	5	5	32	2	1	9	3	3	7	0	0	4	1	1	25	2	2	3	0	0
Bangladesh	12	4	3	13	3	3	13	5	4	17	10	10	17	5	3	18	5	4	2	2	0
Bhutan	3	2	1	5	1	1	3	2	1	0	0	0	0	0	0	0	0	0	5	3	3
Maldives	2	0	0	4	0	0	1	0	0	2	2	2	0	0	0	0	0	0	0	0	0
Nepal	17	2	2	14	3	3	3	2	1	3	2	2	15	4	1	21	3	3	1	1	0
Pakistan	7	3	2	7	0	0	6	3	2	9	2	0	6	4	4	11	4	2	5	3	2
Sri Lanka	1	1	0	4	0	0	2	2	1	2	0	0	3	2	1	6	2	1	0	0	0
India	690	71	19	591	63	15	164	35	16	270	34	18	462	78	20	223	90	12	116	65	24
Total	778	88	32	670	72	23	201	52	28	310	50	32	507	94	30	304	106	24	132	74	29

Statement showing the number of students who applied, who were offered admission and who finally joined different Doctoral Level programmes during the Academic Year 2013-14

Country	M.Phil./Ph.D. (Economics)			M.Phil./Ph.D. (Int'l Relations)			M.Phil./Ph.D. (Sociology)			M.Phil./Ph.D. (Legal Studies)			M.Phil./Ph.D. (Biotechnology)			M.Phil./Ph.D. (Computer Science)			M.Phil./Ph.D. (Applied Mathematics)		
	No. of candidates applied	No. of seats offered	No. who joined	No. of candidates applied	No. of seats offered	No. who joined	No. of candidates applied	No. of seats offered	No. who joined	No. of candidates applied	No. of seats offered	No. who joined	No. of candidates applied	No. of seats offered	No. who joined	No. of candidates applied	No. of seats offered	No. who joined	No. of candidates applied	No. of seats offered	No. who joined
Afghanistan	4	0	0	6	1	1	1	0	0	2	0	0	0	0	0	3	0	0	0	0	0
Bangladesh	4	0	0	4	0	0	3	0	0	6	2	1	4	1	1	4	2	2	1	1	1
Bhutan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Maldives	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nepal	7	0	0	7	0	0	6	0	1	0	0	0	18	4	4	4	0	0	1	0	0
Pakistan	2	0	0	1	0	0	7	0	0	3	0	0	5	0	0	4	0	0	0	0	0
Sri Lanka	1	0	0	4	0	0	2	0	0	0	0	0	2	0	0	2	0	0	0	0	0
India	91	0	0	125	5	2	95	5	1	59	3	2	476	7	5	176	6	4	88	15	7
Total	**109**	**0**	**0**	**149**	**6**	**3**	**114**	**6**	**2**	**70**	**5**	**3**	**505**	**12**	**10**	**193**	**8**	**6**	**90**	**16**	**8**

Total number of students who joined : 230

TOTAL STUDENT STRENGTH

Programme	Batch Admitted in 2012	Batch Admitted in 2013	Total Enrolled
M.A. Dev. Economics	29	32	61
M.A. International Relations	28	23	51
M.A. Sociology	21	28	49
LL.M.	29	32	61
M.Sc. Biotechnology	25	30	55
M.Sc. Computer Science	26	24	50
M.Sc. Applied Mathematics	12	29	41
M.Phil./Ph.D. Economics		0	0
M.Phil./Ph.D. Int'l Relations		3	3
M.Phil./Ph.D. Sociology		2	2
M.Phil./Ph.D. Legal Studies		3	3
M.Phil./Ph.D. Biotechnology		10	10
M.Phil./Ph.D. Computer Science		6	6
M.Phil./Ph.D. Applied Mathematics		8	8
Total	**170**	**230**	**400**

COUNTRY-WISE FIGURES OF STUDENTS ON ROLLS:

Afghanistan	27
Bangladesh	52
Bhutan	11
Maldives	3
Nepal	32
Pakistan	19
Sri Lanka	8
Eriterea (non-SAARC country)	1
India	221
Total students on rolls:	**374**
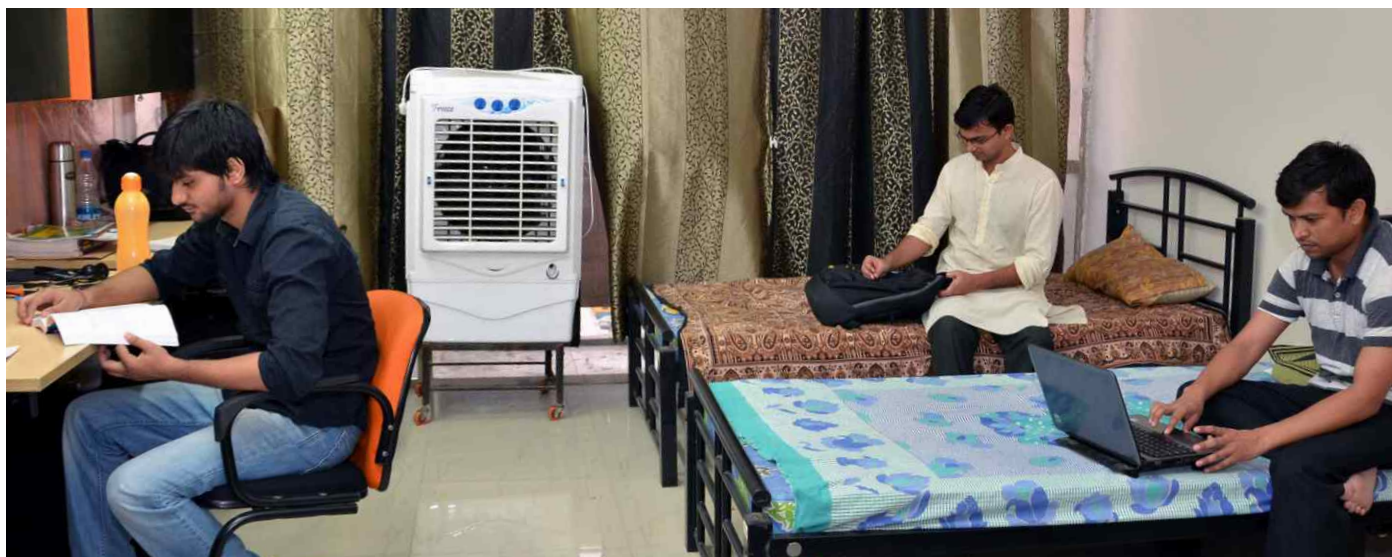
SCHOLARSHIPS

The SAU is committed to awarding scholarships/financial support to the needy and deserving students. Scholarships and financial support are granted under three categories – 1) Govt. of India sponsored **SAARC Silver Jubilee Scholarships (SJS)** which are provided to 100 students (75 from Master's level students and 25 from Doctoral students) coming from Least Developed SAARC Countries or LDC (i.e., Afghanistan, Bangladesh, Bhutan, Maldives and Nepal); 2) **SAU Financial Support (SAUFS)** which is granted on a need cum merit based system from SAU's own funds and 3) **President Scholarship**, the most prestigious category which is awarded to all those students who top in their respective country-wise merit list of SAU Entrance Test in each individual course, provided their rank falls within 10 percentile of the total number of candidates appearing in the Entrance Test and securing minimum prescribed qualifying marks.

Both SJS and President's Scholarship carry full scholarship covering full tuition fee waiver and living allowance amounting to INR 1,32,400 per year for Master level students and INR 1,92,400 per year for Doctoral students. The scholarship holders also enjoy free hostel stay. In addition, all students who have been granted Silver Jubilee and President Scholarship, also receive an amount of INR 10000 (non-Indian students), and INR 5000 (for Indian students) respectively, towards "start-up" allowance in order to meet part of their travel cost and books-purchase allowance.

After the admission process for the year 2013-14 was over, applications were invited from students for scholarship/financial support. 272 Master's students applied and they were invited for a face-to-face interview before the Scholarship Committee so as to assess eligibility and quantum of financial aid that would enable each applicant to continue his/her studies at SAU without undue financial hardship. The Scholarship Committee granted scholarship and financial support to 269 Master's students: Afghanistan-24; Bangladesh- 47; Bhutan-10; Maldives-1; Nepal - 27; Pakistan-18; Sri Lanka-9; India-133. Three students did not turn up for interview.

Of the total number of recipients, full scholarship was awarded to 109 students from LDC, including 75 SJS, while 160 students were granted SAUFS with varied quantum of scholarship/financial support ranging from INR 24,000 to INR 1,20,000 per year.

Likewise, the Committee awarded scholarships to 31 Doctoral students who applied for scholarship and financial support, 11 of them being SJS (Afghanistan - 1, Bangladesh - 5, Nepal - 5), and 20 of them under the SAUFS category for an amount of INR 1,50,000 per year for each student. One Doctoral student already had fellowship from CSIR and hence didn't apply for scholarship.

For the academic year 2013-14, President Scholarships were awarded to four students, one from Bangladesh and three from India.

STUDENT ACTIVITIES

CULTURAL ACTIVITIES

South Asian University is a microcosm of South Asia. With students from all the eight South Asian countries, quite possibly the only such university in the region, SAU is a melting pot of South Asia's culture. The university sees creative expression of these cultures in various hues and sounds. Cultural events are regular in the university campus, the students of SAU also participate in cultural programmes outside the university.

INDEPENDENCE DAY CELEBRATION

On August 14 every year, in one quiet corner of India's capital, a group of students spearheaded by those from India and Pakistan do something that is usually quite unheard of – celebrating the Independence Day of India and Pakistan jointly.

For South Asian University, this celebration has been an annual feature. Celebrated with the same patriotic fervour as seen elsewhere on the Independence Day, Jashn-e-Azaadi was a two hour programme wherein the students of Pakistan celebrated their Independence Day starting at 11pm of August 14 and went on till midnight. They presented patriotic songs, cultural items, a documentary on Pakistan, speeches in Urdu and concluded with the national anthem of Pakistan. At the stroke of midnight, the floor was handed over to the Indian students who celebrated their Independence Day for the next one hour. The Indian students also presented cultural items and a documentary and concluded with national anthem of India.

Students from other countries such as Nepal, Bangladesh and Afghanistan also congratulated the students from India and Pakistan on their Independence Day and presented their experiences of living amidst students from different nations with varying cultural backgrounds.

FAREWELL PARTY 2013

Students of first year programmes of South Asian University gave a Farewell Party to the senior students who were passing out in May 2013. The event saw felicitation of senior students amidst loud cheers and the hunt for Mr. and Ms. SAU was a major highlight. Many cultural items were also presented by the first year students.

INTERNATIONAL MOTHER LANGUAGE DAY

Students of South Asian University celebrated International Mother Language Day with much fanfare. Cultural shows of all forms and literally 'languages' were the main highlights of the evening.

Following the proclamation by UNESCO in 1999, International Mother Language Day has been observed every year on 21 February the world over to promote linguistic and cultural diversity.

Diversity in the truest sense was the flavour of the evening – Afghan students singing Hindi film songs in Hindi as well as Farsi, recitation of poems in virtually every major language spoken in the South Asian Region, traditional and modern dance forms going hand in hand, ramp walk that showcased traditional attires and patriotic songs sung with a passion.

A number of students from Dhaka University were also invited by the students of South Asian University for the function. It is days like these that bring out the beauty of the cultural diversity of the region and it is functions like these that define South Asian University.
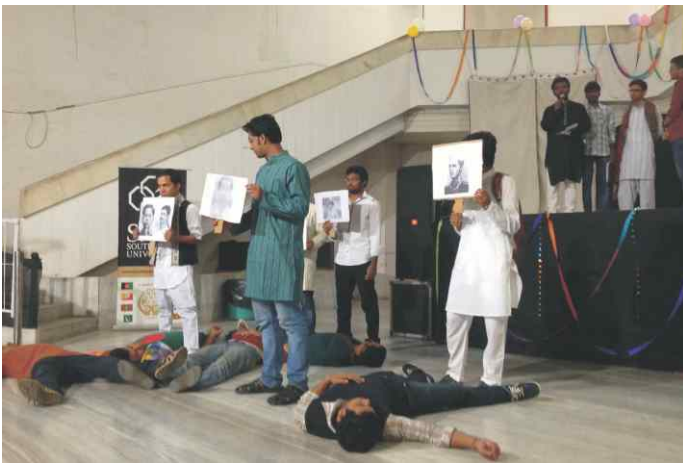
STUDENT FACILITIES & SERVICES

HOSTEL AND SPORTS FACILITIES

South Asian University provides hostel accommodation to its students on a sharing basis. Students from outside of India and Delhi are given preference. The hostels are located inside Akbar Bhawan across four floors and are currently housing 70 girls and 215 boys. There are separate hostels for boys and girls. An entire floor is dedicated to accommode M.Phil/Ph.D. students.

The common rooms of the hostels have basic sports and recreational facilities. Students also work out in the gym, which at present is a modest set up. The university stands committed to providing infrastructure and financial support for other sporting facilities.

HEALTH CARE FACILITIES

It would not be inappropriate to mention that 'health for all' by 2000 AD was a slogan which the WHO had framed keeping in mind, that, with the improvement of the hospitals, primary centres and community health centres and all health centres irrespective of its population and location a positive health status would be attained with the upgrading of health facilities. The same applies with the health centre of SAU where with time it has improved to an extent that students, the staff and the faculty and all others associated with this health centre are happy with the work and efforts the health centre staff has put in.

The health centre was started in August 2012. Gradually it has maintained its quality services and at present caters to a population of around 600 with minimum basic facilities necessary. It now also has a visiting Counsellor (Psychologist), who comes twice a week for 2 hours each.

The activities of the health centre includes full time OPD, nursing services, emergency medicines, injections, dressing, nebulisation, lab services in the form of a collection centre, referral services to higher centres for consultation to specialists and time to time inspection of the campus for preventive measures. Spraying every 15 days for mosquitoes is being done in and around the campus to reduce the spread of dengue and chickenguniea. Mess conditions are also looked into from time to time.

During the year under report, the health centre had about 1817 patients including staff and students compared to 896 students and staff the previous year. Proper referral services and immediate action for any medical problem is well dealt with. Number of students referred for admission has reduced to half of that of the previous year, taken into consideration the period of services in both the years.

SAU LIBRARY

The South Asian University Library was established to fulfill academic and research need of the students, faculty members and other users of the library. The current library spreads over a total area of 4500 sq. ft. The library functions from Monday to Saturday from 9:00 am to 5:30 pm. The reading rooms in the Mezzanine floor are opened 24 hours a day, the whole week.

The library has text and reference books and journals covering different subject areas i.e. Computer Science, Mathematics, Religion, Biotechnology, Sociology, Economics, Law, International Relations, Geography, History etc. Library resources include close to 10,000 copies of books, more than 300 e-books, 7180 e-journals, CD/DVDs, journals, newspapers, magazines and e-database.

The library provides a wide range of services that include Circulation (lending service), Access to Physical and Virtual bookshelf, OPAC with Library 2.0, Current Awareness Service (CAS), Full-text Journals, Online Database, Integrated Search Facility, Inter Library Loan and Reference.

University Library is a member of DelNet (Developing Library Network), Library members can send their loan request for book from member institutions from India, Sri Lanka, Nepal and Pakistan from the DelNet website.

University Library uses Integrated Library System Koha that extends its Library 2.0 technology facilities to the patrons. Using this system, patrons are able to customise their user profile, subscribe RSS feed, get notified by auto email, send book purchase request, hold or reserve an item, create their private book list, share item list, comment, tag, rate any item, look into search history, view most popular books, check borrower status, link with online social network, etc.

During the year under report, the library purchased around 2,000 books worth approximately INR 41,00,000 and subscribed online journals and databases worth approximately INR 3,71,62,000. More than 7,236 articles were downloaded by library users. The library also added 236 new members.

SAU Library organised Book Exhibitions on 6 - 8 August and 12 - 14 August 2013 in front of the library where students and faculty members selected around six hundred books to be purchased for the University Library.

On 19 August 2013, SAU Library organised a user orientation programme for the students and faculty members.

THE WRITING CLINIC

During the year under report, The Writing Clinic was initiated for all those students in SAU who need help in language matters. English for Academic Purposes course was designed for all SAU students. This learner-centric, need-based course aimed to provide an academic writing course to meet the specific needs of the post- graduates and research scholars of SAU. Furthermore, the course aimed to develop awareness of the elements and conventions of academic writing and to encourage students to develop their writing skills through guided practice and feedback. The course focussed on Academic Writing, Language Elements, Academic Vocabulary in use, various Elements of Style - Diction, Syntax, Point of View, Tone, Theme; Reading Comprehension with special focus on Contextual and Structural Clues, Notation and Citation; Plagiarism, Paraphrasing and Summarization Skills, Mind Mapping for Academic Writing, Academic Conventions etc. to name a few. In addition to the classes the key feature of the Writing Clinic was the appointment system to address the individual concerns of the students. It is a free service for all the SAU students that offers one-to-one help with writing assignments.

SOUTH ASIAN STUDIES

A compulsory non-credit course titled 'Introduction to South Asia' was introduced from the January 2013 semester. All final semester students are required to take this course. Passing of this course is mandatory for any student to get his/her Master's degree of this university.

A minimum of 75% attendance in this course is a must. In case any student who fails to maintain the prescribed 75% attendance or does not pass this course, he/she will not be eligible for the award of Master's degree.

This course introduces the students to the history, common issues and challenges of the South Asian region.

ACADEMIC FACULTIES

FACULTY OF ECONOMICS

FACULTY OF ECONOMICS

Dean's Remark

2013 was an important year in the process of building up the faculty of Economics as a leading centre of teaching and research in the South Asian region. The second batch of M.A. students in Development Economics graduated this year and have been placed in a variety of institutions across the region. Many of them are also preparing themselves to pursue further education. We also welcomed a group of accomplished colleagues who joined the Faculty later this year. Their enthusiasm and academic capacity will surely add a lot to the Faculty. All in all, we are looking forward to an even more successful 2014.

Degrees Offered & Student Break-up

Programme of Study	Male	Female	Total
M.A.in Development Economics (2012-2014)	13	15	28
M.A.in Development Economics (2013-2015)	17	15	32

Country-wise Break-up of Students

Afghanistan	10	Maldives	Nil
Bangladesh	06	Nepal	05
Bhutan	01	Pakistan	04
India	33	Sri Lanka	01

Courses Offered – Titles and Credits:

Semester I

Course Titles	Credits
Microeconomics-I	4
Macroeconomics-I	4
Development Economics-I	4
Quantitative Methods in Economics	4

Semester II

Course Titles	Credits
Microeconomics-II	4
Macroeconomics-II	4
Development Economics-II	4
Econometrics-I	4

Semester III

Course Titles	Credits
Option-I	4
Option-II	4
Option-III	4
M.A. Dissertation	2

Semester IV

Course Titles	Credits
Option-I	4
Option-II	4
Option-III	4
M.A. Dissertation	6

Optional Courses:

i)   Optional courses in third semester : Environmental Economics, Econometrics-II, Growth and Development, Trade, Capital Flows and Development

ii) Optional courses in fourth semester (likely to be offered) : Game Theory, Poverty & Inequality, Productivity and Eficiency Analysis, Social Choice Theory, Global Political Economy, Topics in Macroeconomics

FACULTY MEMBERS

Santosh C. Panda
Professor & Dean - FE
Ph.D.
(University of Birmingham, U.K.) 1984

Subject Area & Research Details:
Contemporary Issues in Development Economics, Fuzzy Decision Theory, Social Choice Theory and Applied Microeconomics

Syed M. Ahsan
Visiting Professor
Ph.D.
(University of McMaster Hamilton, Ontario, Canada) 1974

Subject Area & Research Details:
Agricultural, and Micro Health Insurance, Taxation and Fiscal Policy, and Poverty, Institutions and Growth

Anirban Dasgupta
Associate Professor
Ph.D.
(University of California, USA) 2006

Subject Area & Research Details:
Poverty and Inequality, Agricultural Development

Sunil Kumar
Associate Professor
Ph.D.
(Guru Nanak Dev University, India) 2000

Subject Area & Research Details:
Applied econometrics, Banking, Industrial Development

Snehashish Bhattacharya
Assistant Professor
Ph.D.
(University of Notre Dame, USA) 2010

Subject Area & Research Details:
Political economy, Economic development, Economic Methodology, History of Economic Thought

Soumya Datta
Assistant Professor
Ph.D.
(Jawaharlal Nehru University, New Delhi, India) 2010

Subject Area & Research Details:
Macroeconomic Theory, Nonlinear Dynamics and Complex Systems

Rohin Anhal
Assistant Professor
Ph.D.
(Jawaharlal Nehru University, New Delhi, India) 2013

Subject Area & Research Details:
Econometric Theory, Applied Time Series Analysis, Mathematical Economics and Statistics, Macroeconomics and Growth Theory

ACCOMPLISHMENTS OF THE FACULTY MEMBERS

Research Papers

1. Arsel, M. and **Dasgupta, A.** (2013) Structural change, land use and the state in China: Making sense of three divergent processes. European Journal of Development Research 25: 92-111.

2. **Kumar, S.** (2013) Banking reforms and the evolution of cost efficiency in Indian public sector banks. Economic Change and Restructuring 46: 143-182.

3. Arora, N. and **Kumar, S.** (2013) Does factor accumulation or productivity change drive output growth in the Indian sugar industry? An inter-state analysis. Contemporary Economics 7: 85-98.

Book Chapters by Faculty Members

1. Bhattacharya R., **Bhattacharya S**., Sanyal K.K. Dualism in the Informal Economy: Exploring the Indian Informal Manufacturing Sector. Development and Sustainability: India in a Global Perspective, Sarmila Banerjee and Anjan Chakrabarti, Springer, 2013, ISBN 978-81-322-1123-5.

Research Grants Obtained by Faculty Members

1. **Bhattacharya, S.** Scheduled Tribes: Specific Vulnerabilities and Needs, OXFAM project, 2013-14.

Conferences / Symposia Attended/ Papers Presented

1. **Dasgupta, A**. Revisiting Agricultural Development in West Bengal. National Seminar, Department of Politics and Economics, Vishva-Bharati, Santiniketan, West Bengal, India, 15 - 16 March, 2013.

2. **Dasgupta, A.** Structural Transformation in India. International Workshop on Political Economy of Land and Natural Resources inTurkey and India, Bogazici University, Istanbul, Turkey, 24 - 27 May, 2013.

3. **Dasgupta, A.** Gender and Race Imbalances in 'Great Moderation' and 'Great Recession'. Invited Speaker, Leeds University, UK, 24 - 25 June, 2013.

4. **Kumar, S.** Panel Data Regression: Theory and Applications. National Workshop on Financial Econometrics, M.D. University, Rohtak, 29 - 31 March, 2013.

5. **Kumar, S.** Invited participant in International workshop on "Dynamic-network DEA", National Graduate Institute for Policy Studies, Tokyo, Japan, 29 - 30 January, 2013.

6. **Kumar, S.** Data Envelopment Analysis. 47th Refresher Course in Economics, Academic Staff College, Jawaharlal Nehru University, New Delhi, 6 September, 2013.

7. **Kumar, S.** Efficiency and Productivity Measurement using DEA and SFA. Faculty Development Programme, College of Management, Shri Mata Vaishno Devi University, Katra, 28 - 29 May, 2013.

8. **Bhattacharya, S.** Accumulation and Subsistence in the Informal Economy. International Conference on Representing Development: The Process and Role of Informalization, Galgotias University, Greater Noida, 8 Feburary, 2013.

9. **Bhattacharya, S.** Invited participant in International Workshop on "State, Capital and Labour: The Garment and Construction Industries in India and China." ICSSR, New Delhi, 11 May, 2013.

10. **Bhattacharya, S.** Contradictions of Inclusive Growth. International Symposium on Inclusive Growth and Development: Mirage, Promise or Reality?, India International Centre, New Delhi, 13 August, 2013.

11. **Bhattacharya, S.** Revisiting Dualism: Capitalist Growth and the Informal Economy in India. Eighth International Conference of Rethinking Marxism - Rethinking Marxism 2013: Surplus, Solidarity, Sufficiency, University of Massachusetts, Amherst, USA, 19 - 22 September, 2013.

12. **Bhattacharya, S.** A New Perspective on Development Transitions. 47th Refresher Course in Economics, Academic Staff College, Jawaharlal Nehru University, New Delhi, 2 September, 2013.

13. **Datta, S.** Complex Dynamical Possibilities of Debt-Constrained Investment-led Growth with Interest Rate Rules. 6th Economic Theory and Policy Conference, National Institute of Public Finance and Policy, New Delhi, 20 - 22 March, 2013.

Visits of Scholars to the Department / Faculty

1. **Dr. Dilawar Ali Khan**, veteran Pakistani economist delivered a lecture on "Pakistan's Growth Experience in Recent Years" 5 February, 2013.

2. **Dr. Soumya Chakrabarti**, Vishwa Bharati University, Kolkata, delivered a lecture on "Unorganised Manufacturing in India: Structural Transformation/Immiserisation" 11 Februray, 2013.

3. **Dr. Shigemochi Hirashima**, Meiji-Gakuin University, Tokyo, Japan, delivered a lecture on "Land Markets in India & Pakistan" 12 February, 2013.

4. **Dr. Rizwanul Islam**, Former Special Adviser, International Labour Organisation delivered a lecture on "Inclusive Growth in Bangladesh" 13 February, 2013.

5. **Prof. Amit Bhaduri**, Emeritus Professor, Jawaharlal Nehru University, delivered a lecture on "State of Macroeconomic Theory and the Financial Crisis" 19 March, 2013.

6. **Ms. Dipa Sinha**, Consultant, Public Health Resource Network, delivered a lecture on "What does 'Food Security' Mean After All?" 9 April, 2013.

7. **Prof. Krishnendu Ghosh Dastidar**, Centre for Economic Studies and Planning, Jawaharlal Nehru University, delivered a lecture on "Auction Theory with Income Effects" April 23, 2013.

8. **Dr. Somesh K. Mathur**, Associate Professor, Department of Humanities and Social Sciences, IIT Kanpur, delivered a lecture on "The Heckscher-Ohlin Vanek Theorem, New-New Trade Theories, and Impact Assessment of Trade with Gravity Analysis" 3 September, 2013.

9. **Prof. S.P. Singh**, Department of Humanities and Social Sciences, IIT Roorkee, delivered a lecture on "Water and Food Security in India" 10 September, 2013.

10. **Dr. Rajendra Prasad Kundu**, Centre for Economic Studies and Planning, Jawaharlal Nehru University, delivered a lecture on "Liability Rules & Economic Efficiency" 22 October, 2013.

11. **Dr. Mausumi Das**, Delhi School of Economics, University of Delhi, delivered a lecture on "Education & Growth: Moving Beyond Labour Productivity" 29 October, 2013.

12. **Prof. Anjan Mukherji**, Professor Emeritus, Centre for Economic Studies and Planning, Jawaharlal Nehru University, delivered a lecture on "Market Failures: Almost Always?" 12 November, 2013.

Any Other Items

1. Educational tour of M.A. Development Economics first year students to Forest Research Institute and Himmothan Society Dehradun during 28 March - 1 April 2013.

2. Dr. Rachita Gulati, IIM-Kashipur, Uttarakhand, delivered lectures on "DEA in Excel & Visual Basic", 24-29 April, 2013.

3. Dr. Rachita Gulati, IIT Roorkee, Uttarakhand, delivered lectures on "Computations with STATA and Eviews" 11-14 November, 2013.

FACULTY OF LEGAL STUDIES

FACULTY OF LEGAL STUDIES

Dean's Remark

The Faculty of Legal Studies is engaged in the study of law subjects, systems, theory and institutions. Towards the end of the first semester, the LL.M. Programme (2013) provided an opportunity to study courses on: International Law, Legal Theory, Legal Research Methodology and Comparative Constitutional Law of SAARC Nations. The last two courses were offered by the Faculty keeping in view that the LL.M. Programme had students from the SAARC region and also the need for developing an inter-disciplinary approach to the study of law.

International Law has become the common language of international relations. To build a strong foundation for future research abilities of law students, the Faculty offers a course on the general principles of international law in the first semester. Among other academic benefits, this course enables students to understand the relationship between domestic law and international law in each one of the SAARC member states.

In 2013 the Faculty introduced the M.Phil /Ph.D. programme with the objective of promoting research in the field of International Law with special reference to the SAARC region. This programme has two foundational courses: Advanced International Legal Problems and International Economic Law. The Faculty aspires to be a fountain of high quality works emerging from research scholars with the help of their M.Phil. dissertations and Ph.D. theses.

Besides traditional methods of teaching and research, the Faculty adopted seminar methods, wherein weekly seminars were organised. Eminent law scholars from India and other countries interacted with the faculty members and students during the seminars. The Faculty also organised discussions on contemporary topics of international law.

During the period under review, faculty members participated and presented papers in national and international conferences/seminars/workshops. Some of the faculty members were also invited by law schools in India and abroad as judges in international moot court competitions.

Degrees Offered & Student Break-up:

Programme of Study	Male	Female	Total
LL.M. (2012-2014)	23	6	29
LL.M. (2013-2015)	16	10	26
M.Phil./Ph.D.(2013-2016)	3	Nil	3

Country-wise Break-up of Students:

Afghanistan	2	Maldives	1
Bangladesh	12	Nepal	2
Bhutan	Nil	Pakistan	3
India	36	Sri Lanka	1
Any Other (Eritrea)	1		

Courses Offered for LL.M.

Semester I

Course Titles	Credits
Jurisprudence & Legal Theory	4
Comparative Constitutional Law of SAARC Countries	4
Legal Research Methodology	4
International Law	4

Semester II

Course Titles	Credits
International Environmental Law	4
International Humanitarian Law	4
International Trade Law	4
Law of International Organizations	4

Semester III

Course Titles	Credits
Intellectual Property Rights (Compulsory)	4
International Human Rights Law (Compulsory)	4
International Criminal Law (Optional)	4
Law of the Sea (Optional)	4
Conflict of Laws (Optional)	4

Semester IV

Course Titles	Credits
Dissertation (Compulsory)	8
International Commercial Arbitration (Optional)	4
International Refugee Law (Optional)	4
International Maritime Law (Optional)	4
International Investment Law – South Asian Perspective (Optional)	4

Courses Offered for M.Phil./Ph.D.

Semester I

Course Titles	Credits
International Economic Law	4
Advanced International Legal Problems	4

Semester II

Course Titles	Credits
International Investment Law	4
Research Methodology and Legal Writing	4

FACULTY MEMBERS

Yogesh Tyagi
Professor & Dean - FLS
Ph.D.
Subject Area & Research Details:
International Law, International
Organizations, Human Rights, Legal
Theory, Globalization

Aman Ullah
Associate Professor
Ph.D.

Subject Area & Research Details:
Public International Law, Human Rights,
Constitutional Law, Administrative Law,
Islamic Law

V.G. Hegde
Associate Professor
Ph.D.

Subject Area & Research Details:
International Law,
International Trade Law,
Intellectual Property Rights,
International Water Law

Luther Rangreji
Associate Professor
Ph.D.

Subject Area & Research Details:
International Law, Law of International
Organizations, Law of the Sea and
International Environmental Law

Stellina Jolly
Assistant Professor
Ph.D.

Subject Area & Research Details:
International Environmental Law, Bio-
Ethics, Legal Theory

Srinivas Burra
Assistant Professor
Ph.D.

Subject Area & Research Details:
International Law, International Human
Rights Law, International Criminal Law,
International Humanitarian Law

Nafees Ahmad
Assistant Professor
Ph.D.

Subject Area & Research Details:
Comparative Constitutional Law of SAARC
Nations International Refugee Law,
International Human Rights Law,
International Constitutional Law,
International Minority Rights Law,
Sociology of Law

Garimella Sai Ramani
Assistant Professor
Ph.D.

Subject Area & Research Details:
Legal Theory and Application Studies in
Constitutional Perspective, Analysis of
Theoretical Constructs in Indian
Constitutionalism, International Commercial
Arbitration

Prabhash Ranjan
Assistant Professor
Ph.D.

Subject Area & Research Details:
International Economic Law – International
Investment Law, World Trade Law

ACCOMPLISHMENTS OF THE FACULTY MEMBERS

Research Papers

1. **Hegde, V.G.** (2013) Indian International Law State Practice, Asian Yearbook of International Law(Vol.)16, Foundation for the Development of International Law in Asia (DILA), Hangdong School of International Law, South Korea.

2. **Rangreji, L.M.** (2013) Some Reflections on the 'Future We Want': Is the 'Sustainable Development' Paradigm under Serious Threat?' Asia Pacific Journal of Environmental Law, (Vol.) 16, 241-256.

3. **Rangreji, L.M.** (2013) Bangladesh/Myanmar Maritime Boundary Delimitation Dispute, Journal of International Affairs (Dhaka), (Vol.) 1&2, 33-58.

4. **Ahmad, N.** (2013) Hate, Human Rights and Law in Europe, North America and South Asia: Understanding Their Paradigms in Geo-Political Settings, Law and Religion Review, A Journal of Institute of Objective Studies-A NGO in Consultative Status with ECOSOC, UNO, New York, New Delhi-India (Vol.) VI 30-44.

5. **Ahmad, N.** (2013) Refugees in South Asia: Law Praxis and Policy Paralysis, Lex-Warrier, an Online Law Journal, ISSN 2319 8338.

6. **Ahmad, N.** (2013) Refugees: Talking About Rights Beyond Rights, Law and Religion Review, A Journal of Institute of Objective Studies - A NGO in Consultative Status with ECOSOC, UNO, New York, New Delhi-India, (Accepted for publication).

7. **Burra, S.** (2013) The Bizarre Proposal for "Humanitarian" Military Intervention in Syria, Economic and Political Weekly Web Exclusives, (Vol.) XLVIII, No. 36.

8. **Garimella, S.R.** (2013) Intervention Against Marginalization in the Subaltern Space, Journal of the Forum for Ethno-Geo Politics 2214-3211(Accepted for publication).

9. **Garimella, S.R.** (2013) International Normative Regime Against Corruption and India's Compliance, Review of Politics 0972-1436 , Vol.21, Issue-2.

10. **Garimella, S.R.** (2013) Emerging Public Policy Contours: Is Indian Arbitration Moving Closer to the Asian Scenario, AALCO Journal of International Law 2319-2895, Vol.2, Issue 1.

11. **Garimella, S.R.** (2013) The Bangladesh War Crimes Trials – Strengthening the normative structure, Journal of Law, Policy and Globalization 2224-3259, Vol.13, 27-37.

12. **Jolly, S.** (2013). Right to Abortion under International Law, Eubios Journal of Asian and International Bioethics, EJAIB, Official Journal of the Asian Bioethics Association (ABA), Vol. 2, 3(3): 72-76.

13. Prof. Jaswal, P. and **Jolly, S.** (2013) Climate Refugees: Challenges and Opportunities for International Law, Journal of Indian Law Institute, Vol , 53: 67-85.

14. **Jolly, S.** and Mahajana, S. (2013). Climate Change and Security: Forging Cooperative Mechanism in South Asia, Int. J. Public Policy, ISSN online: 1740-0619, ISSN print: 1740-0600 (Accepted for publication).

15. **Jolly, S.** (2013). New Market Approach for Off Grid Renewables in Rural Areas, Regional Task Force, Monitor ADB, Volume 1, Issue 2, January – March 2013, 6.

Books Published

1. **Garimella, S.R.** Private International Law, Central Law Agency, Allahabad, 2013, ISBN 978938267644.

Book Chapters by Faculty Members

1. **Ahmad, N.** Theory and Nature of Political Institutions for the Syllabus of Legal Studies (Code No. 074) for Curriculum Document-2015 for XI-XII (10+2) Level Subjects, Project by the Ministry of Human Resources Development, Government of India, 2013.

2. **Hegde, V.G.** Contemporary Perspectives on International Law, in Navanita Chadha Behera (Ed.), India Engages the World: ICSSR Research Surveys and Explorations in Political Science, Oxford University Press 2013, ISBN 9780198092445.

3. **Hegde, V.G.** International Law on River Water Sharing and India, in Ishwara Bhat (Eds.), Inter-State & International Water Disputes, Eastern Book Company 2013, ISBN 93-5028-980-6.

4. **Burra, S.** Human Rights and International Humanitarian Law, in "Human Rights, Democracy and Social Movements in India" for the E-PG Pathshala, E-Content for Post Graduate Subjects, Project by the Ministry of Human Resources Development, Government of India, 2013.

5. **Burra, S.** India and International Human Rights Law, in "Human Rights, Democracy and Social Movements in India" for the E-PG Pathshala, E-Content for Post Graduate Subjects, Project by the Ministry of Human Resources Development, Government of India, 2013.

6. **Jolly, S.** Problems of Legal Teaching in India: Issues and Perspectives, Legal Education in India Essays in Honour of Prof. Ranbir Singh, Lokendra Malik (Ed), Universal Law Publishers, 2013, ISBN 9789350354018.

Conferences / Symposia Attended/ Papers Presented

1. **Tyagi, Y.K.** United Nations Conference on the Law of Sea and Asian African Legal Consultative Organisation, Asian African Legal Consultative Organisation, Legal Experts Meeting, 5 March, 2013, New Delhi.

2. **Tyagi, Y.K.** 76th session of the Institut de Droit International, 7 -13 September, 2013, Tokyo, Japan.

3. **Tyagi, Y.K.** 4th Biennial Conference of the Asian Society of International Law, 14 - 16 November, 2013, New Delhi, India.

4. **Hegde, V.G.** Extradition: National and International Law and Practice, National Conference of High Court Judges in International Law, including Extradition and Refugee Laws, 2 - 3, February, 2013, National Judicial Academy, Bhopal, India.

5. **Hegde, V.G.** India and Global Regime on IPRs: Legal and Institutional Linkages," India and International Organisations: Towards Multilateralism, 20-22 March 2013, Central University of Kerala, Kasargod, India.

6. **Hegde, V.G.** Human Rights and South Asia," Global Perspectives on EU and Human Rights, Leuven Centre for Global Governance Studies, Leuven, 4-5 June, 2013, Brussels, Belgium.

7. **Hegde, V.G.** Relationship between International Law and Municipal Law, Conference on Recent Developments in International Law, Indian Society of International Law, 28 May, 2013, New Delhi.

8. **Hegde, V.G.** IPRs and WTO Accountability: Scope of Patenting, IPRs and Traditional Knowledge, Indian Society of International Law, 22 - 23 August, 2013, New Delhi.

9. **Hegde, V.G.** International Waters Cooperation Law and South Asia, Knowledge Exchange on International Waters, 1-10 October, 2013, Yunnan University, China followed by Colorado River Cooperation Study Tour in collaboration with North Carolina University, United States.

10. **Hegde, V.G.** Intellectual Property Rights: Reflections on History and Law, paper presented at the 4th Biennial Conference of the Asian Society of International Law, 15 November, 2013, New Delhi.

11. **Rangreji, L.M.** International Law and Climate Change: Developing Countries Perspective, Recent Developments in International Law: A Tribute to the Late Prof. R. P. Anand, Faculty of Legal Studies, South Asian University, and Centre for International Legal Studies, Jawaharlal Nehru University,1 February, 2013, New Delhi, .

12. **Rangreji, L.M.** Nagoya-Kuala Lumpur Supplementary Protocol on Liability and Redress to the Cartagena Protocol on Biosafety, 2010: Approaches and Options for Providing Rules on Liability and Redress at the National Level", Workshop on the Implementation of the Nagoya-Kuala Lumpur Supplementary Protocol on Liability and Redress (NKLSP) organised by the Ministry of Agriculture and Fisheries, Government of Japan and the Secretariat of the Convention on Biological Diversity, 21 February, 2013, Tokyo.

13. **Rangreji, L.M.** Issues for Developing Countries under the Nagoya Protocol on Access and Benefit Sharing of Genetic Resources, AALCO Legal Experts Meeting, 5 March, 2013, New Delhi.

14. **Rangreji, L.M.** The Apollo Lunar Landing Sites National Historical Park on the Moon, and for other Purposes, Fourth Biennial Conference of the Asian Society of International Law, 15 November, 2013, New Delhi.

15. **Rangreji, L.M.** The Use of Domestic Law Principles for the Development of international law, Seminar on Effectiveness of International Law, organized by the Regional Branch of the International Law Association (ILA), 24 November, 2013, New Delhi.

16. **Rangreji, L.M.** Extradition Law of India: Theory and Practice, 7th Annual Symposium of the National Law School of India Review (NLSIR) Conference, 22 November, 2013, Bengaluru.

17. **Ahmad, N.** Legal Education in South Asia: Comparative Understanding and Institutional Imperatives, Conference on Education Reforms-The Changing Paradigms organized by the IIT Kashipur, Uttarakhand, India on 25 - 26 March 2013, New Delhi.

18. **Ahmad, N.** South Asia Teaching Session (SATS), Alumni Seminar organized by the International Committee of Red Cross (ICRC) Regional Delegation for South Asia on 7 September, 2013, New Delhi.

19. **Burra, S.** Securing Compliance with International Humanitarian Law: Contemporary Enforcement Mechanisms", 2nd National Students' Conference on International Humanitarian Law, Centre for International Humanitarian Law, Institute of Law, Nirma University on 19 January, 2013, Ahmedabad.

20. **Burra, S.** International Criminal Law, "Recent Developments in International Law, (A Tribute to the Late Prof. R. P. Anand), Faculty of Legal Studies, South Asian University, and Centre for International Legal Studies, Jawaharlal Nehru University, 1 February, 2013, New Delhi.

21. **Burra, S.,** From Postcolonial Solidarity to Post Cold War Fragmented Pursuit: AALCO in its Historical Trajectory, 4th Biennial Conference of the Asian Society of International Law, 14 - 16 November, 2013, New Delhi.

22. **Burra, S.,** Capital Punishment in India: Human Rights, Constitutional and Policy Dimensions Confronting Capital Punishment in Asia: Human Rights, Politics and Public Opinion, Centre for Human Rights Studies and Centre for Penology, Criminal Justice & Police Studies, Jindal Global Law School, O. P. Jindal Global University, 23 December, 2013 in New Delhi.

23. **Garimella, S.R.,** The Road from *BALCO* – towards Seat-Centric Arbitration, Corporate Justice – Legal Challenges, Indian Institute for Corporate Affairs, Government of India, 27 - 28 November, 2013, Manesar, Gurgaon.

24. **Garimella, S.R.,** War Crimes Trials in Bangladesh – Addressing Primary Issues of Justice, International Conference on Efficiency of Norms-from Theory to Practice, Faculty of Law, Dimitri Cantemir, Christian University, Cluj Napoca, 25 - 27 April, 2013, Romania.

25. **Garimella, S.R.,** Caste and Social Justice – Reading Roberto Unger and Super-liberalism, Critical Legal Conference 2013 - 'Reconciliation and Reconstruction', Queen's University of Belfast, August, 2013, Belfast.

26. **Jolly, S.** Research on Human Subjects in the Context of Human Genome Project: Need for Elevating the Ethical Issues to the Legal Arena, National Convention on Ethics in Research on Human Subjects: Problems in implementing international norms and guidelines in Indian context" IERB Jawaharlal Nehru University, 30 - 31 July, 2013, New Delhi.

27. **Jolly, S.** Green Development Rights: A Quest for Climate Equity, 4th Biennial Conference of the Asian Society of International law, 14 - 16 November, 2013, New Delhi.

28. **Jolly, S.** Access to Energy: A Human Right under International Law? Asian Conference on law and Politics, 21-24 November, 2013, Osaka, Japan.

29. **Jolly, S.** Assessing Rule of law in Indian States, Conference on Economic problems and Development, Indian Institute of technology and Management, 19 February, 2013, New Delhi.

30. **Jolly, S.** Legal and Policy Analysis of Nagoya Protocol, Conference on Sustainable Development, RGNLU Patiala and Ontario University, Canada; 4 - 6 December, 2013, Chandigarh.

31. **Ranjan, P.** Comparing the Investment Provisions in India's FTAs with India's Bilateral Investment Treaties, 4th Biennial Conference of the Asian Society of International Law, 14 - 16 November, 2013, New Delhi.

Awards / Honours

1. **Tyagi, Y.K.** Appointed Member, Law Commission of India, 2013.

2. **Hegde, V.G.** Member, Executive Council, Asian Society of International Law, National University of Singapore, Singapore (2014-16).

3. **Hegde, V.G.** Member, Foundation for the Development of International Law in Asia (DILA), Hangdong School of International Law, South Korea.

4. **Rangreji, L.M.** Member (Legal), Genetic Engineering Appraisal Committee (GEAC), Ministry of Environment and Forests, Government of India, 2013.

5. **Ahmad, N.** Member, Indian Society of International Law (ISIL), 2013.

Visits of Scholars to the Department / Faculty

Sr. No	Date	Subject	Speaker's Name
1.	20 February 2013	Iceland's place in a Changing World: The Role of Equity, Justice and the Rule of Law	H.E. Mr. Ogmundur Jonasson, Minister of the Interior Republic of Iceland
2.	27 February 2013	Implied Powers of the United Nations	Prof. Rahmatullah Khan, Former Professor of International Law, Jawaharlal Nehru University
3.	28 February 2013	Development Agenda at WTO: Doha Round and Beyond	Dr. Sonia E. Rolland, Associate Professor, Northeastern University, Boston, USA
4.	02 April 2013	Indian Supreme Court on Death Penalty: The Hero or Not So Hero?	Dr. Surya Deva, Associate Professor, City University of Hong Kong
5.	08 April 2013	The Work of the International Tribunal for the Law of the Sea	Judge Helmut Tuerk, Judge of the International Tribunal for the Law of the Sea
6.	09 April 2013	Armed Activities of Non-State Actors in International Law	Dr. P.S. Rao, Former Chairman UN International Law Commission and Member, India-Bangladesh Maritime Arbitration Tribunal
7.	01 May 2013	World Trade Organisations and Developing Countries: Future Challenges	Prof. Abhijit Das, Head, WTO Studies Centre, Indian Institute of Foreign Trade, New Delhi
8.	2 May 2013	Transformation of ASEAN from a Non-Rule based to a Rule-based Charter and its Legal Implications	H.E. Prof. Rahmat Mohamad, Secretary General, Asian-African Legal Consultative Organisation (AALCO)
9.	08 November 2013	WTO Bali Ministerial Conference and South Asia: The Way Forward	Mr. Rajeev Kher, Addl. Secretary, Trade Policy Division, Ministry of Commerce, Govt. of India, Prof. Abhijit Das, Head, WTO Studies Centre, Indian Institute of Foreign Trade (IIFT), Delhi, Mr. Manab Majumdar, Assistant Secretary General, Federation of Indian Chamber of Commerce and Industries (FICCI), New Delhi, Ms. Ranja Sengupta, Third World Network.
10.	12 November 2013	Reason Why States Chose International Litigation over Political Resolution	Dr. Shirley Scott, Associate Professor, University of New South Wales, Australia
11.	18 November 2013	Challenges to the Application of International Humanitarian Law	Mr. Jamie Allan Williamson, Legal adviser, CONSULT Division, ICRC Headquarters, Geneva

Accomplishments of the Students

Rahman, Mohammad Rubaiyat

1. Rahman, Mohammad Rubaiyat (2013) Rule of Law and South Asia: A View from the Top', Rostrum's Law Review (RLR), Vol. 1, No.I, pp. 64-71 http://papers.ssrn.com/sol3/papers.cfm?abstract_id=2351708

2. Rahman, Mohammad Rubaiyat (2013) Book Reviewon 'Economic Integration in South Asia: Charting a Legal Roadmap', Rostrum's Law Review (RLR), Vol. 1, No. II, pp. 137-140, http://papers.ssrn.com/sol3/papers.cfm?abstract_id=2321541.

3. Rahman, Mohammad Rubaiyat (2013) Book Reviewon'Africa and the Deep Seabed Regime: Politics and International Law of the Common Heritage of Mankind' (2011) by Edwin Egede, in De Jure (Pretoria University) Vol.46 Issue 2, http://papers.ssrn.com/ sol3/papers.cfm?abstract_id=2364109

4. Rahman, Mohammad Rubaiyat (2013)Book Reviewon'The Cambridge Companion on International Law'(2012) by James Crawford and Martti Koskenniemi (Eds.), in GNLU Journal of Law, Development and Politics, Vol.3, Issue 2, 2013.

5. Rahman, Mohammad Rubaiyat (2013) 'Environmental Menace of Ship Breaking Industry and National Legal Response: South Asia Perspective' at National Conference on Law and Justice-2013, September 14-15, 2013, AURO University, Surat, Gujarat, India. http://papers.ssrn.com/sol3/papers.cfm?abstract_id=2325960

6. Rahman, Mohammad Rubaiyat (2013) 'Regional Cooperation in Maritime Security: A View from the Bay of Bengal' at Annual International Studies Convention 2013, December 10 - 12, 2013, JNU, New Delhi, India. http://papers.ssrn.com/sol3/papers. cfm?abstract_id=2369076

7. Rahman, Mohamad Rubaiyat (2013) Bimanual Test (Two Finger Test) of Rape Victims: South Asia Case Study, submitted to Bangladesh Legal Aid and Services Trust (BLAST), November, 2013. http://papers.ssrn.com/sol3/papers.cfm?abstract_id= 2351708

8. Rahman, Mohammad Rubaiyat (2013) 'Misgovernance and Role of Print Media', The Daily Star, Dhaka, February 2, 2013. http://goo.gl/bdJuCO

9. Rahman, Mohammad Rubaiyat, (2013) 'Rape Incidents, Misgovernance and Role of Print Media', The Daily Sun, Dhaka, February 3, 2013. http://goo.gl/WNhyKC

The following students have qualified at the UGC-JRF, UGC-NET Examination.

1. Aklavya Anand

2. Amit Kumar Akela

3. Saurabh

4. Wasiq Abass Dar

5. Roopak V.

6. Om Prakash Gautam

7. Bobby Sanjay Sharma

Any Other Item: (Outside Experts)

Sr. No.	Date	Subject	Speaker's Name
1.	August - September 2013	Law of Interpretation	Dr. Ravindra Pratap
2.	October - November 2013	WTO Dispute Settlement	Dr. Ravindra Pratap

Any Other Items:

1. **Rangreji, L.M.** Participated as legal expert at the "Workshop on the Implementation of the Nagoya-Kuala Lumpur Supplementary Protocol on Liability and Redress" organized by the Secretariat of the Convention on Biological Diversity and the Ministry of Agriculture and Fisheries, Government of Japan and the Secretariat of the Convention on Biological Diversity, 21 - 22 February, 2013, Tokyo.

2. **Rangreji, L.M.** Participated as legal expert at the "Capacity Building Workshop for African Region on Nagoya Protocol on Access & Benefit Sharing (ABS), Traditional Knowledge (TK) and on Nagoya-Kuala Lumpur Supplementary Protocol on Liability & Redress of Cartagena protocol on Biosafety," Ministry of Environment and Forests, Government of India and National Biodiversity Authority,11-13 February, 2013 Bengaluru.

3. **Rangreji, L.M.** Participated in a panel discussion on "The Scientist as Public Communicator" at the South Asia Bio-safety Conference, organized by the DBT, Government of India, 20 September, 2013, New Delhi.

4. **Rangreji, L.M.** Judge at the Semi-final rounds of 'Thirteenth Henry Dunant Memorial Moot Court Competition 2013,' 21 September, 2013, New Delhi.

5. **Rangreji, L.M.** Judge at the Semi-final rounds of 'Ninth Henry Dunant Memorial Moot Court Competition (Regional Rounds),' 20 October, 2013, New Delhi.

6. **Rangreji, L.M.,** Chaired a session on "International Environmental Law" during the Students Workshop, Fourth Asian Society's International Law Conference , 13 November, 2013, New Delhi.

7. **Rangreji, L.M.** Provided inputs to the Government of India as a member of the National Consultative Committee on Biosafety and Biodiversity, to finalize country position on the "Ad Hoc Open-ended Inter-Sessional Working Group on Article 8(j) and Related Provisions", 7 -11 October, 2013, Montreal.

8. **Rangreji, L.M.** Provided legal inputs and vetting to the Department of Biotechnology, GoI on the "Biotechnology Regulatory Authority of India Bill 2013" regarding questions raised by the Standing Committee of the Parliament on Science and Technology, November, 2013.

9. **Rangreji, L.M.** Provided technical and legal inputs as resource person towards organising the "Indigenous Knowledge Forum on Regional Access and Benefit Sharing Mechanisms and Nagoya Protocol", by the University of Technology, Sydney and TERI, 11-12 November, 2013, New Delhi.

10. **Rangreji, L.M.** Participated as legal expert at the "Capacity Building Workshop on the Nagoya Protocol on Access and Benefit Sharing for South East and South Asia, organized by Secretariat of CBD and MOE&F, GoI, 3-6 December, 2013, Chennai.

11. **Ahmad, N.** Invited as Judge at the Henry Dunant Memorial Moot Court Competition-2013 for the National and International Rounds organized by the Indian Society of International Law (ISIL) and the International Committee of Red Cross (ICRC).

12. **Ahmad, N.** Syria and US Foreign Policy: The Constitutionalism of International Law in the Hermeneutics, Counter currents.org, An Online Blog on International Affairs, August 28, 2013 http://www.countercurrents.org/ahmad280813. htm

13. **Ahmad, N.,** Visiting Faculty at the School for International Training (SIT Study Abroad) in New Delhi-INDIA under India-Health and Human Rights Program for US Students at World Learning, 1 Kipling Road, Brattleboro VT-05302, USA.

14. **Ahmad, N.,** Delivered lecture as a visiting faculty to PG Diploma Students on International Refugee Law at the Indian Society of International Law (ISIL), New Delhi.

15. **Burra, S.** When 'Role Models' Ignore the Society, Careers360, June 2013.142-144.

16. **Burra, S.** Grant him Asylum, Uphold his Freedoms, The Hindu, 3 July 2013.

17. **Jolly, S.** Editor,(2013-2014) NUJS International Journal of Legal Studies and Research.

18. **Jolly, S.** Peer Reviewed Papers for International Conference on Politics, Economics and Law, organized by IAFOR, 20-24 November, 2013, Osaka.

19. **Jolly, S.** Visiting Faculty to Indian Society of International Law.

Invited Lecture Series

1. **Ahmad, N.** was invited to judge the 13th Henry Dunant Memorial Moot Court Competition-2013 (National Round), Indian Society of International Law (ISIL) and International Committee of the Red Cross (ICRC), 19-22 September, 2013, New Delhi.

2. **Rangreji, L.M.,** delivered a lecture on "Post-Doha Climate Change Conference: An Insight into Legal and Political Dialogues," Asian African Legal Consultative Organization, 16 January, 2013, New Delhi.

3. **Rangreji, L.M.,** delivered lectures on International Space Law and International Environmental Law, 'Twelfth Summer Course on International Law,' ISIL, New Delhi, 27 May – 7 June, 2013.

4. **Rangreji, L.M.,** delivered a lecture on "Issues for Developing Countries under Nagoya Protocol on ABS and Law of Sea" at the 2013 Hague Academy of International Law External Course entitled "Stability and Change in the Law of the Sea: Challenges in the 21st Century", Gujarat National Law University and the Hague Academy of International Law, 2 November, 2013, Gandhinagar.

5. **Rangreji, L.M.,** chaired a panel discussion on "Climate Change, Environmental Sustainability and Social Justice: Mapping Perspectives on and from the Global South Annual International Studies Convention 2013", Jawaharlal Nehru University, 11 December, 2013, New Delhi.

6. **Burra, S.,** delivered a lecture on the topic of "Law of Treaties" for the participants of the 57th Professional Course for Foreign Diplomats , Foreign Service Institute (FSI), 3 May 2013, New Delhi.

7. **Burra, S.,** delivered a lecture on India and International Human Rights at the 105th Orientation Programme, UGC-ASC, Jamia Milia Islamia, 23 July, 2013, New Delhi.

8. **Burra, S.,** delivered a Talk on 'US Surveillance, India and Snowden,' Indian Society of International Law (ISIL), 2 August, 2013, New Delhi.

9. **Burra, S.,** delivered a Talk on 'US Surveillance, India and Snowden,' on Centre for International Legal Studies, Jindal Global Law School, O. P. Jindal Global University, 22 August, 2013, Sonepat, Haryana.

10. **Burra, S.,** 'Legal Protection in Armed Conflict and Situations of Violence' at the 'South Asia Teaching Session Alumni Meeting,' International Committee of the Red Cross (ICRC), 7 September, 2013, New Delhi.

11. **Burra, S.,** invited to judge the 13th Henry Dunant Memorial Moot Court Competition-2013 (National Round), Indian Society of International Law (ISIL) and the International Committee of the Red Cross (ICRC) 19 to 22 September, 2013, New Delhi.

12. **Burra, S.,** invited to judge the Ninth Henry Dunant Memorial Moot Court Competition (Regional Round), Indian Society of International Law (ISIL) and the International Committee of the Red Cross (ICRC) on the 19 October, 2013, New Delhi.

13. **Garimella, S.R.,** Invited lecture on Marginalisation and Violence, Institute for Peace Research and Security Policy, University of Hamburg, 10 July, 2013, Hamburg, Germany.

14. **Garimella, S.R.,** Summer course programme in International Commercial Arbitration at the ICC, July, 2013 Paris.

15. **Jolly, S.** Chaired a session International Conference on Sustainable Development, RGNLU Patiala and Ontario University, Canada, 4-5 December 2013, Chandigarh.

FACULTY OF LIFE SCIENCES & BIOTECHNOLOGY

FACULTY OF LIFE SCIENCES AND BIOTECHNOLOGY

Dean's Remark

The Faculty of Life Sciences and Biotechnology started a Ph.D. programme this year where we admitted ten students from Bangladesh, Nepal and India. Induction of Ph.D. students has livened up the research laboratory that was previously occupied only by the M.Sc. students doing their research projects. Prof. Haseena Khan joined us for a year as a visiting professor from Dhaka University in Bangladesh. Her presence strengthened the teaching and research activities in the area of Plant Sciences. The Friday guest-seminar programme went very well and students as well as faculty members got the opportunity to hear about the latest work of some of the best known researchers in laboratories in India and abroad. Faculty members and research students at FLSB published many research papers and brought in research grants from external sources. In general the momentum we have gained in teaching and research activities as well as the enthusiasm of students was sustained this year and is expected to grow further in the years to come.

Degrees Offered & Student Break-up:

Programme of Study	Male	Female	Total
M.Sc. Biotechnology (2012-14)	16	06	22
M.Sc. Biotechnology (2013-15)	13	17	30
M.Phil/Ph.D.(2013-2016)	07	03	10

Country-wise Break-up of Students: Ph.D. Biotechnology

Afghanistan	Nil	Maldives	Nil
Bangladesh	01	Nepal	04
Bhutan	Nil	Pakistan	Nil
India	05	Sri Lanka	Nil

Country-wise Break-up of Students: M.Sc. (2012-14)

Afghanistan	Nil	Maldives	Nil
Bangladesh	05	Nepal	04
Bhutan	01	Pakistan	Nil
India	12	Sri Lanka	Nil

Country-wise Break-up of Students: M.Sc. (2013-15)

Afghanistan	01	Maldives	Nil
Bangladesh	03	Nepal	01
Bhutan	Nil	Pakistan	04
India	20	Sri Lanka	01

Courses Offered for M.Sc. Biotechnology

Semester I

Course Titles	Credits
Biochemistry	3
Microbiology	2
Cell Biology	3
Molecular Biology	2
Molecular Genetics	3
Applied Biophysics	2
Laboratory Techniques	4

Semester II

Course Titles	Credits
Infection and Immunity	2
Bioinformatics and Biostatistics	3
Genetic Engineering	2
Plant Biotechnology and Crop Improvement	3
Biodiversity	2
Environmental Biotechnology	2
Research Methodology	4
Journal Club	1

Semester III

Course Titles	Credits
Topics in Commercial Biotechnology	4
Virology	2
Fermentation and Biochemical Engineering	2
Protein Engineering	2
Term Paper and Seminar	2

Semester IV

Course Titles	Credits
Cancer Biology (optional)	2
Neurosciences (optional)	2
Advances in Plant Biotechnology (optional)	2
Structural Biology	2
Project (semester III and IV)	10
Introduction to South Asia	Non Credit

Courses Offered for Ph.D. Biotechnology

Semester I

Course Titles	Credits
Advanced Topics in Cell and Molecular Biology	3
Protein Techniques	3
Bioethics, Biosafety and Scientific Writing	Audit
Term Paper	1
Seminar	1

Semester II

Course Titles	Credits
Advanced Plant Biotechnology	2
Molecular Techniques	2
Advanced Eukaryotic Biology	2
Biostatistics and Bioinformatics	2

FACULTY MEMBERS:

Rajiv K. Saxena, Ph.D., FASc. FNASc, FNA,
JC Bose Fellow
Professor and Dean; Vice President, SAU
Ph.D. All India Institute of Medical Sciences, New Delhi (1977)

Formerly: Post Doc, NIH, USA; Professor, JNU; Visiting Professor, University of Pittsburgh School of Medicine, PA, USA; NIOSH, CDC, USA; US Environmental Protection Agency, North Carolina, USA

Subject Area & Research Details: Immunology, Nanotoxicology and Hematopoiesis

Haseena Khan, Ph.D., Fellow, Bangladesh Academy of Sciences
Visiting Professor
Ph.D. University of Sussex, England (1982)

Formerly: Chairperson, Department of Genetic Engineering and Biotechnology, University of Dhaka, Dhaka, Bangladesh; Post Doc, INRA/CNRS, Toulouse, France, IRCM, Montreal, Canada

Subject Area & Research Details: Jute Molecular Biology; Development of functional markers for jute improvement programmes, map-based cloning of genes involved in stress tolerance

Senthil Kumar Venugopal
Ramalingaswami Fellow
Associate Professor
Ph.D. All India Institute of Medical Sciences, New Delhi (2000)

Formerly: Scientist, Inst Liver & Biliary Diseases, New Delhi; Assistant Professor, University of California Davis Medical Center, Sacramento, CA; Post Doc, UT South-western Medical Center, Dallas, TX, USA.

Subject Area & Research Details: Biomedical Research; Molecular regulation of the progression of liver diseases

Ritu Gaur, Associate Professor
Ph.D. National Institute of Immunology, New Delhi (2001)

Formerly: Assistant Professor, Inst Liver & Biliary Diseases, New Delhi; Post Doc, National Institute of Allergy and Infectious Diseases, National Institutes of Health, USA

Subject Area & Research Details: Virology

Barnali Chaudhuri
Associate Professor
Ph.D. Uppsala University, Sweden (1998)

Formerly: Research Scientist/Assistant Professor, Hauptman Woodward Institute and the Department of Structural Biology, SUNY, Buffalo, NY, USA; Post Doc, University of California, Los Angeles and Purdue University, USA.

Subject Area & Research Details: Structural biology; Molecular motors; protein nano-assembly design

Nirotpal Mrinal
Assistant Professor
Ph.D. Centre for DNA Fingerprinting and Diagnostics, Hyderabad (2008)

Formerly: Research Associate, Centre for DNA Fingerprinting and Diagnostics, Hyderabad.

Subject Area & Research Details: Genetic and epigenetic regulation of gene expression

Rinkoo Devi Gupta
Assistant Professor
Ph.D. Banaras Hindu University, Varanasi (2005)

Formerly: Post Doc, Weizmann Institute of Science, Israel; and Institute of Genomics and Integrative Biology (IGIB), Delhi.

Subject Area & Research Details: Protein engineering

Priti Saxena
Assistant Professor
Ph.D. National Institute of Immunology, New Delhi (2008)

Formerly: Post Doc,Institute of Genomics and Integrative Biology (IGIB), Delhi.

Subject Area & Research Details: Chemical biology; Discovering novel small molecules based on Microbial chemical biology and genetic analysis

Ananda Mustafiz
Assistant Professor
Ph.D. International Center for Genetic Engineering and Biotechnology, New Delhi (2010)

Formerly: Post Doc,University of Western Ontario London, Canada.

Subject Area & Research Details: Plant Molecular Biology; Plants response towards abiotic stresses

Ravi Shankar Akundi
Assistant Professor
Ph.D. University of Freiburg Medical School, Germany (2005)

Formerly: Post Doc,University of Kentucky, Lexington, USA; Yale Child Health Research Centre, Yale University, USA.

Subject Area & Research Details: Neuroscience; Modulation of inflammatory mechanisms within the brain during neurodegenerative disorders

Yuba Raj Pokharel
Assistant Professor
Ph.D. Chosun University, Gwangju, South Korea (2009)

Formerly: Post Doc,University of Turku and ABO Akademi, Turku, Finland; and Chosun University, Gwangju, South Korea.

Subject Area & Research Details: Cancer Biology; oncogenic activity of protein interactomes of already established bait oncoproteins

ACCOMPLISHMENTS OF THE FACULTY MEMBERS:

Research Papers:

1. Alam, A., Sachar, S., Puri, N. and **Saxena, R.K.** (2013) Interactions of poly-dispersed single walled Carbon Nanotubes with T cells resulting in down regulation of allogeneic CTL responses in vitro and in vivo. Nanotoxicology 7, 1351-1360.

2. Bhardwaj, N. and **Saxena, R.K.** (2013) Modulation of erythrocytes turnover and erythropoietic activity in bone marrow and spleen by the herbicide paraquat. Current Science, 105, 1611-1614.

3. Reza. KA., Sharmin, S., Moosa, MM., Mahmood, N., Ghosh, A., Begum, RA., **Khan, H.** (2013) Identification and molecular characterization of a receptor-like protein kinase gene from *Corchorus capsularis.* Turk. J. Biol., 37, 11.

4. Islam, MS., Azam, MS., Sharmin, S., Sajib, AA., Alam, MM., Reza, MS., Ahmed, R., **Khan, H.** (2013) Improved salt tolerance of jute plants expressing the katE gene from *Escherichia coli.* Turk. J. Biol., 37, Issue 2, 206.

5. Kumar, A., **Gupta, R.D.** and Gupta, T. (2013) Highly selective optical monitoring of O2 via multiple-channels.RSC Adv., 3, 390-393.

6. Kaur, C., **Mustafiz, A.,** Sarkar, A., Ariyadasa, TU., Singla-Pareek. SL. and Sopory, SK. (2013) Expression of abiotic stress inducible ETHE1-like protein from rice is higher in roots and is regulated by calcium. Physiologia Plantarum. ISSN (printed): 0031-9317. (Accepted for publication)

7. Ellis, GI., Zhi, L., **Akundi, R.S.,** Bueler, H. and Marti, F. (2013) Mitochondrial and cytosolic roles of PINK1 shape induced regulatory T-cell development and function. European Journal of Immunology. (Accepted for publication)

8. Shridas, P., Zhi, L., **Akundi, R.S.,** Webb, NR., Pearson, KJ. and Bueler, H. (2013) PTEN-induced kinase 1 regulates mitochondrial integrity and insulin secretion in mouse pancreatic beta cells. Journal of Endocrinology, Diabetes and Obesity 1(1): 1007.

9. **Akundi, R.S.,** Zhi, L., Sullivan, PG. and Bueler, H. (2013) Shared and cell type-specific mitochondrial defects and metabolic adaptations in primary cells from PINK1-deficient mice. Neurodegenerative Diseases 12(3): 136-49.

10. Khanna, A., Kauko, O., Böckelman, C., Laine, A., Schreck, I., Partanen, JI., Szwajda, A., Bormann, S., Bilgen, T., Helenius, M., **Pokharel, Y.R.,** Pimanda, J., Russel, MR., Haglund, C., Cole, KA., Klefström, J., Aittokallio, T., Weiss, C., Ristimäki, A., Visakorpi, T. and Westermarck, J. (2013) Chk1 targeting reactivates PP2A tumor suppressor activity in cancer cells. Cancer Res. 73(22):6757-69.

Research Grants Obtained by Faculty Members:

1. **Saxena R.K.** Interactions of poly-dispersed carbon Nanotubes with immune system: Modulation of T cell and NK cell activation process by carbon nanotubes, SAU intramural project, 2012-2015, US$ 45,000.

2. **Saxena R.K.** Modulation of erythroid line of differentiation and erythrocyte turnover in mouse model of autoimmune hemolytic anemia, Department of Science and Technology (DST), 2013-2016, Rs. 40 Lakhs.

3. **Gaur R.** Development of Maturation Inhibitors as a Globally effective Class of Antiretroviral, NIH Intramural to India program funded by DBT, India, 2013-2016, Rs. 50 Lakhs.

4. **Gaur R.** "Study of Molecular Interactions of Human Immunodeficiency Virus/Simian Immunodeficiency Virus Accessory Proteins with Host Cell factor(s)." SAU intramural project, 2013-2016, US$ 45000.

5. **Venugopal S.K.** Role of microRNAs in liver diseases. Ramalingaswamy Fellowship, Department of Biotechnology, 2009-2014. Rs. 70 Lakhs.

6. **Venugopal S.K.** Role of profibrogenic cytokines on the expression of miRNA-150 and miRNA-194 in hepatic stellate cells, Indian Council of Medical Research, 2011-2014. Rs. 30 Lakhs.

7. **Venugopal S.K.** microRNA-induced epigenetic changes regultate liver regeneration, SAU intramural project, 2013-2016, US$ 45000.

8. **ChaudhuriB.**The structural organization of partition assembly in Vibrio cholerae, SAU intramural project, 2013-2016, US$ 45,000.

9. **Mrinal N.** Generating a Protein-ncRNA interactome for D-V patterning genes in Drosophila, Innovative Young Biotechnologist Award (IYBA). Department of Biotechnology, 2012-2015, Rs. 45 Lakhs.

10. **Mrinal N.** "Deciphering the chromatin switch in genes activated/repressed by Dorsal", South Asian University, 2013-2016, US$ 45,000.

11. **Gupta R.D.** Monolayer-based detection of organophosphorus and organosulphur pollutants, Department of Science & Technology (DST) Fast Track Young Scientist Project, 2012-2015, Rs. 21.7 Lakhs

12. **Gupta R.D.** Association between catalytic activities of lactonase and organophosphate hydrolase: Dissection of an enzyme 'human senescence marker protein 30, SAU intramural project, 2013-2015, US$ 30,000.

13. **Saxena P.** Dissecting Molecular Intricacies Mediating Host-Pathogen Interplay: Identifying Functional Role of Cellular Lipids and Lipid Metabolizing Enzymes in Mycobacterial Pathogenesis, Innovative Young Biotechnologist Award (IYBA), Department of Biotechnology, 2010-2015, Rs.75 Lakhs.

14. **Saxena P.** Dissecting the Functional Role of Polyketide Biosynthetic and Modifying Enzymes in the Biology of Corynebacterineae, SAU intramural project, 2013-2016, US$ 45,000.

15. **Mustafiz A.** Deciphering role of multiple active glyoxalase I (GLY I) of Arabidopsis in alleviating abiotic stress, SAU intramural project, 2013-2016, US$ 45,000.

16. **Akundi R.S.** P2 receptor mediated modulation of prostaglandin E2 synthesis in rodent brain, SAU intramural project, 2013-2016, US$ 45,000.

17. **Pokharel Y.R.** Identification of Pin1 interacting protein CSNK2B as a novel prostate cancer biomarker for future cancer therapy, SAU intramural project, 2013-2016, US$ 45,000.

Conferences / Symposia Attended/ Papers Presented:

1. Rizvi, Z.A., Puri, N. and **Saxena, R.K.** Expression of CD1d molecule on mouse type I lung airway epithelial cells and its up-regulation by BCG antigens, Biospark conference, School of Life Sciences, JNU, New Delhi, 15-16 February, 2013.

2. Bhardwaj N.and **Saxena R. K.** Modulation of erythrocyte turnover and erythropoietic responses in mouse bone marrow and spleen by the herbicide paraquat mediated oxidative stress, 12th Annual Meeting of the Society for Free Radical Research , CSIR-Indian Institute of Toxicology Research, Lucknow, 30 January – 1 February, 2013.

3. **Saxena R. K.,** Alam A., Kumari M, Sumedha S, and Puri N. Suppression of murine T-helper and T-cytotoxic immune response by poly-dispersed single-walled carbon nanotubes, 10th International Conference on New Trends in Immunosuppression & Immunotherapy Barcelona, Spain, 11-12, March 2013.

4. Alam, A., Puri, N. and **Saxena, R. K.** Poly-Dispersed Single Walled Carbon Nanotubes Down Regulate Allogenic Cytotoxic T Lymphocytes Responses In Vitro and In Vivo, XIII international Congress of Toxicology, Seoul, South Korea, 3 June - 4 July, 2013.

5. **Saxena R. K.** Interactions of nano-particles with biological systems, Journal of Biosciences Editorial group Mini-Symposium, Bangalore, July 13, 2013.

6. Rizvi, Z.A., Puri, N. and **Saxena, R. K.** Up-regulation of CD1d mediated lipid antigen presentation pathway in lung epithelial cells exposed to Mycobacterium bovis (BCG), 40th Annual Meeting of the Indian Immunology Society, UCMS, Delhi, 15-17 November, 2013.

7. Rizvi, Z.A., Puri, N. and **Saxena, R. K.** "Mycobacterium bovis (BCG) infection of the lung epithelial cells up-regulates the expression of key antigen presentation markers involved in the Cross presentation pathway", World Conference on Infectious disease (Sponsors: WHO, ICMR, DST), Chennai Trade Convention Center, Chennai, 18 - 22 December, 2013.

8. Alam, A., Puri, N. and **Saxena, R. K.** Suppression of acquired and natural immune system by poly dispersed single walled Carbon Nanotubes, 40th Annual Meeting of the Indian Immunology Society, UCMS, New Delhi, 15-17 November, 2013.

9. **Khan H.** From Marker to Gene: The Curious Case of a Putative vps51 Gene of Jute, 19th IAS (Islamic Academy of Sciences) Conference, Dhaka, Bangladesh, 6 - 9 May, 2013.

10. **Khan H.** One of Bangladesh's Development Challenges: Overcoming Gender Barriers inScience, Second Summit of South Asian Science Academics/INSA-AASSA Joint Workshop on Women in Science Education and Research, INSA, New Delhi, 24 - 27 September, 2013.

11. **Gaur R.** Role of Host factors in HIV replication. In Frontiers of Retrovirology, Cambridge University, Cambridge UK, 18-21 September, 2013.

12. **Gaur R.** Attended 'Structural Biology related to HIV/AIDS', National Institute of Health (NIH), Bethesda, MD, USA, 20 June, 2013.

13. **Gaur R.** Invited Talk, Role of HIV accessory proteins in HIV replication. Hetero Drugs, Hyderabad. India, 27 November, 2013.

14. **Venugopal, S. K.** Over-expression of microRNA-30a inhibits HBx-induced autophagosome formation in hepatic cells, presented at The Liver Meeting, AASLD's (Annual Meeting of American Association for the Study of Liver Diseases) 64th Annual Meeting in Washington, DC, USA, 1 – 5 November, 2013.

15. **Venugopal, S. K.,** Role of miRNA-21, miRNA-22 and miRNA-451 in modulating gluconeogenesis, and the role of high glucose and free fatty acids in regulating the expression of these miRNAs in hepatic cells, presented at The Liver Meeting, AASLD's (Annual Meeting of American Association for the Study of Liver Diseases), 64th Annual Meeting in Washington, DC, USA, 1- 5 November, 2013.

16. **Venugopal, S. K.** Attended a symposium organized by Indo-US R & D Networked Joint Centre of Excellence for Inflammatory Bowel Diseases on "GI Immunology: Bridging the Clinician-Scientist Gap 2013, Gurgaon, Haryana, India, 12-13 January, 2013.

17. **Chaudhuri B.,** Qian, S., Urban, VS., Dean, R. "Structural organization of the mycobacterial segrosome", Biophysical Society 57th Annual Meeting, Philadelphia, USA, 2 - 6 February, 2013.

18. **Chaudhuri B.,** Invited Talk, The higher order organization of mycobacterial segrosome, Department of Biological Sciences and Bioengineering (BSBE), Indian Institute of Technology (IIT), Kanpur, 1 March, 2013.

19. **Chaudhuri B.,** Qian, S, Urban, VS., Dean, R,.The higher order organization of mycobacterial segrosome, 2nd Zing Bacterial Cell Biology Conference, Xcaret, Mexico, 9 - 12 December, 2013.

20. **Mrinal N.,** Oral presentation, DNA: From sequence to geometry at the World DNA DAY symposia to celebrate Diamond Jubilee of DNA structure discovery, organised by China Medical Biotech Forum in partnership with Nobel Across China. Nanjing, China, 24 - 27 April, 2013.

21. **Gupta R. D.** attended Scientific Writing and Publishing workshop organized by Macmillan Science Communication, an exclusive partner of Nature Publishing Group in association with Jawaharlal Nehru University, Jawaharlal Nehru University, New Delhi, 29 November, 2013.

22. **Gupta R. D.** attended a conference on "Asian Congress on Biotechnology-2013- Bioprocessing for Sustainable Development" organized by Asian Federation of Biotechnology and IIT, Delhi, India Habitat Centre, New Delhi, 15 - 19 December, 2013.

23. **Saxena P.,** Oral presentation, Molecular diversity in Mycobacterial pathogenesis, at Biologically active substances and materials: Fundamental and Applied Problems Conference, Novy Svet, Crimea, Ukraine , 27 May - 1 June, 2013.

24. **Saxena P.** participated in Workshop on Clinical Proteomics, Institute of Bioinformatics, International Tech Park Whitefield, Bangalore - 560 066, India, 29 July - 1 August, 2013.

25. **Mustafiz A.,** Ghosh A., Tripathi AK., Kaur, C., Pareek, A, Sopory, SK., Singla-Pareek, SL. Oral presentation - "A novel Ni++ dependent substrate inducible glyoxalase I, OsGLY11.2, plays an important role in abiotic stress tolerance",Glyoxalase Centennial: 100 Years of Glyoxalase Research and Emergence of Dicarbonyl Stress, University of Warwick, UK, 26-29 November, 2013.

26. **Pokharel Y. R.** Attended the 4th International Conference on Stem Cells and Cancer (ICSCC-2013): Proliferation, Differentiation and Apoptosis", Haffkine Institute, Parel, Mumbai, India, 19 - 22 October, 2013.

Awards / Honours:

1. **Saxena R.K.**

   J.C. Bose National Research Fellowship Award

   Department of Science and Technology, Government of India, November 2013.

2. **Saxena R.K.**

   Chairman, UGC Expert Committee to review research centres in Nanomaterials at University of Mumbai, University of Madras and University of Calcutta, November 2013.

3. **Saxena R.K.**

   Convener, Expert Group to frame the proposals for second phase expansion of the South Asian University, January 2013.

4. **Mrinal N.**

   INSA Medal for Young Scientist, 2013.

Visits of Scholars to the Department / Faculty:

As a part of our special lecture series, following external speakers visited and spoke at FLSB:

1. **Tobias Stoeger, Ph. D.,** Institute of Lung Biology and Disease (iLBD), Helmholtz Zentrum München, Germany, gave a talk on "Pro-oxidative and pro-inflammatory potency of inhaled nanoparticles: challenges when exploring in vivo and in vitro", 28 January, 2013.

2. **Anirban Basu, Ph. D.,** from National Brain Research Center, Manesar, Haryana, gave a talk on "Host pathogen interactions in Japanese encephalitis virus infection: from bench to bedside", 8 February, 2013.

3. **Shirshendu Mukherjee, Ph. D.,** Senior Strategic Advisor, R&D Initiative - India, Wellcome Trust, gave a talk on "Intellectual Property Right (IPR) and Technology Transfer issues in Life Science research", 22 February, 2013.

4. **Prof. Subhra Chakraborty, Ph.D.,** from National Institute of Plant Genome Research (NIPGR), gave a talk on "Elucidating disease and nutrient responsive regulatory networks in plants", 1 March, 2013.

5. **Vinay K. Nandicoori, Ph.D.,** from National Institute of Immunology (NII), gave a talk on 'Deciphering the role of serine/threonine protein kinase mediated signaling pathways in Mycobacterium tuberculosis', 5 April, 2013.

6. **Satish Kumar Gupta, Ph. D.,** from the National Institute of Immunology (NII) gave a talk on "Contraceptive vaccines: past, present and future", 26 April, 2013.

7. **Prof. Ramesh Kuhad, Ph. D.** from the Department of Microbiology, Delhi University, gave a talk on "Possible Biotechnologies based on Organic waste Bioconversion Strategies", 30 August, 2013.

8. **Manidipa Banerjee, Ph. D.,** from the School of Biological Sciences, Indian Institute of Technology (IIT) - Delhi, gave a talk on "Exploring non-enveloped virus entry pathways", 13 September, 2013.

9. **Amit Sharma, Ph. D.** from the International Centre for Genetic Engineering and Biotechnology (ICGEB), New Delhi, gave a talk on "Structural biology of protein translation machinery in malaria parasites and implications for inhibitor discovery", 20 September, 2013.

10. **Prof. Kambadur Muralidhar, Ph. D.,** from the Hormone Research Laboratory, Department of Zoology, University of Delhi, gave a talk on -"Biology Education, Research and Career – Conflicts and Resolution", 25 October, 2013.

11. **Debasisa Mohanty, Ph. D.** from the National Institute of Immunology (NII), New Delhi, gave a talk on "Structural bioinformatics approach for deciphering protein interaction networks", 1 November, 2013.

12. **Prof. Birendra Nath Mallick** from the School of Life Sciences, Jawaharlal Nehru University (JNU), New Delhi, gave a talk on "Neural Regulation of REM Sleep", 8 November, 2013.

Visits by Scholars

1. **Prof. Yearul Kabir and Dr. Mahmud Hossain,** together with five MS students from the Department of Biochemistry and Molecular Biology, University of Dhaka, Bangladesh, visited SAU in November, 2013. They looked at the research and educational activities and facilities of Life Sciences and Biotechnology at SAU.

2. **Mr. Suprovath Sarker,** who is Prof. Khan's research associate, spent two weeks in September, 2013, working at the CIF lab, using SAU research infrastructure to complete a part of his work on jute miRNAs in collaboration with Dr. Mrinal.

Following Guest Faculties Participated in Teaching Activities:

1 **Prof. Pandey, R.M,** Ph. D., Head of Department of Biostatics, AIIMS. Course: Biostatistics

2. **Kashyap, V.K,** Ph. D., Former Director, NIB, Noida, Former Director, DFSS, MHA, New Delhi.

   Course: Commercial Biotechnology and Bioethics, bio-safety and scientific writing.

3. **Prof. Gomes,** J., Ph. D. School of Biological Sciences, Indian Institute of Technology,

   Delhi. Course: Biochemical Engineering.

4. **Mukherjee, S.,** Ph. D., Senior Strategic Advisor, R&D Initiative - India, Wellcome Trust. Course: Bioethics, bio-safety and scientific writing.

Accomplishments of the Students:

1. First year M.Sc. Students presented a **Microbiology Poster exhibition** in November, 2013. Theme - Microbial Infectious Diseases. (Hosted by Dr. P. Saxena)

2. Second year M.Sc. Students presented a **Virology Poster exhibition** in October 2013. Theme- Viruses: Present and Future Perspectives. (Hosted by Dr. R. Gaur)

3. Nine M.Sc. students in total were qualified for the CSIR Junior Research Fellowships (JRF) and Lecturerships (LS), as listed below:

   NET-JRF: D. Mishra, M. Mahapatra, M. Jain, P. Gupta

   NET-LS: B. Tripathi, D. Bhardwaj, M. Tripathi, P. Pradhan, S. Chaudhary

4. **Singh Rathore, A. and Parvez, A.,** two first year students in the Biotechnology Ph. D. programme, were qualified for the UGC and CSIR Junior Research Fellowships, respectively.

5. **Bhardwaj, N., Ph. D.,** was selected for the Eurotox (European Society of Toxicology) 2013 Travel support award and CSIR travel grant to attend and present his work at the Eurotox 2013. (Bhardwaj, N. and Saxena R. K. "Mechanism of action of the herbicide paraquat mediated oxidative stress on erythroid differentiation pathway in bone marrow and spleen of mice".)

6. **Pant, K., a** first year student in the Biotechnology Ph.D. programme, whose poster on the "Anti-oxidant and anti-cancer properties of different fractions of Shilajit in hepatic cancer cells" was presented at the 8th Pancreatic Diseases and Cirrhosis (ISALPD/C) in New Delhi, India, 15 – 17 November, 2013.

7. **Kumar, S.,** a project fellow, presented a poster on the "Over-expression of microRNA- 30a inhibits HBx-induced autophagosome formation in hepatic cells" was presented at the 54th Annual All India Conference of Indian Society of Gastroenterology in Ahmedabad, Gujarat, India, 24 November – 1 December, 2013.

8. **Kumar, S.,** a project fellow, presented a poster on the "Role of miRNA-21, miRNA - 22 and miRNA-451 in modulating gluconeogenesis, and the role of high glucose and free fatty acids in regulating the expression of these miRNAs in hepatic cells" was presented at the 54th Annual All India Conference of Indian Society of Gastroenterology in Ahmedabad, Gujarat, India, 24 November – 1 December, 2013.

9. **Nawneet Mishra,** a first year student in the Biotechnology Ph.D. programme, attended the 42nd National Seminar on Crystallography (NSC 42), Indian Crystallographic Association (ICA) and INSA National Committee for the International Union of Crystallography (IUCR), JNU Convention Center, JNU, New Delhi, 21- 23 November, 2013.

10. **Samir Giri,** a Junior Research Fellowship (JRF) in IYBA DBT project of Dr. Priti Saxena, presented a Poster "Molecular Machines In Natural Product Biosynthesis" at International Conference on "Global IPR system and WTO Issues (GIPRS-2013)", Meerut, India, 16-17 November, 2013.

11. **Samir Giri,** participated in "Workshop on Metabolomics Using High Resolution Mass Spectrometer", AB SCIEX Centre of Excellence, 121, Udyog Vihar-4, Gurgaon, India, 25-26 November, 2013.

Any Other Items:

In the last two years, we built a fully functional M.Sc. lab and a Common Instrument Facility (CIF) as a part of our on-going teaching and research activity at FLSB. Currently, we are building a special facility for radioactivity-based research. In addition, a cold room and an animal house will be added to the list of research facilities.

FACULTY OF MATHEMATICS
& COMPUTER SCIENCE

DEPARTMENT OF MATHEMATICS

Dean's Remark

The Department of Mathematics was established in the year 2012 with a vision of being one of the best departments in applied research and teaching that would cater the needs of quality manpower in academics; research and development organizations; and industry in the SAARC region. It offers courses and programmes of study which ensure that students will be able to contribute to the contemporary society and develop abilities to critically assess numerical and graphical information; learn to formulate strategies for solving problems; and acknowledge the importance of being intellectually curious throughout. Keeping in view the application of Mathematics across almost all disciplines, the Department has offered programmes in Applied Mathematics leading to M.Sc. and Ph.D. degrees. In 2012, it started a unique and more focused Master's programme, an updated curriculum with an adequate emphasis on theory, computation and applications. Moreover, the Department is committed to keep the curriculum dynamic so that the latest trends/demands of the society would be taken care of. In 2013, the Department initiated a Ph.D. programme with an objective to generate quality human resource for teaching, R&D organisations and industry. At present, the Department of Mathematics consists of eight regular faculty members. Their broad research areas include Numerical Analysis & Scientific Computing particularly Computational ODEs and PDE; Discrete Mathematics specially Graph Theory, Optimization specially Swarm Intelligence Optimization; Analysis & Functional Analysis especially Function Spaces, Weighted Norm Inequalities, Operator Theory, Statistical Approximations; Mathematical Modelling and Dynamical Systems. The Department organized several academic training programmes such as three 2-day Symposia and a 5-day instructional workshop and invited lectures and seminars by eminent mathematicians in 2013.

Degrees Offered & Student Break-up:

Programme of Study	Male	Female	Total
M.Sc (APM) – Previous	22	7	29
M.Sc (APM) – Final (2012 Batch)	7	5	12
Ph.D.	4	4	8

Country-wise Break-up of Students

Afghanistan	Nil	Maldives	Nil
Bangladesh	3	Nepal	1
Bhutan	4	Pakistan	2
India	39	Sri Lanka	Nil

Courses Offered for M.Sc. (APM)

Semester I

Course Titles	Credits
Abstract Algebra	4
Numerical Analysis & Methods	4
Ordinary Differential Equations and Applications	4
Real and Complex Analysis	4
Discrete Mathematics	4

Semester II

Course Titles	Credits
Linear Algebra	4
Numerics of Ordinary Differential Equations	4
Probability Theory	4
Partial Differential Equations and Their Solutions	4
Optimization	4

Semester III

Course Titles	Credits
Applied Stochastic Processes	3
Mathematical Modeling & Simulations	4
Applied Functional Analysis	3
Numerical Methods for Partial Differential Equations	4
Project	4

Semester IV

Course Titles	Credits
Graph Theory and Network	3
Finite Element Analysis	3
Dynamical Systems	4
Interval Analysis	3
Project	4

Courses Offered for Pre-Ph.D. (APM)

Semester I

Course Titles	Credits
Advanced Analysis	2
Advanced Numerical Optimization Technique	2
Advanced Numerical Techniques for Differential Equation	2
Advanced Mathematical Modelling	2

Semester II

Course Titles	Credits
Parallel Iterative Methods for Partial Differential Equations	2
Operator Theory	2
Parallel Computing	2
Advanced Graph Theory	2

FACULTY MEMBERS:

Ranjan K. Mohanty
Professor & Dean - FMCS
Ph.D. (Indian Institute of Technology, Delhi)

Subject Area & Research Details:
Numerical Methods, Partial Differential Equations, Computational Fluid Dynamics.

Pankaj Jain
Associate Professor & Chairperson (Dept. of Mathematics)
Ph.D. (University of Delhi)

Subject Area & Research Details:
Function Spaces, Weighted Norm Inequalities, Integral Operators, Fourier Analysis, Numerical Methods.

Deepa Sinha
Associate Professor
Ph.D. (University of Delhi)

Subject Area & Research Details: Graph Theory(Discrete Mathematics),Fluid Dynamics

Kapil K. Sharma
Associate Professor
Ph.D. (Indian Institute of Technology, Kanpur)

Subject Area & Research Details:
Numerical Analysis, Delay Differential Equations, Singular Perturbation Theory, Finite Element Methods.

Q.M. Danish Lohani
Assistant Professor
Ph.D. (Aligarh Muslim University)

Subject Area & Research Details:
Fuzzy Logics, Functional Analysis, Measures of Non-compactness and Matrix Transformations, Statistical Approximations, Stochastic Processes

Navnit Jha
Assistant Professor
Ph.D. (University of Delhi)

Subject Area & Research Details:
Parallel Algorithms, Differential Equations, Scientific Computing.

Saroj Kumar Sahani
Assistant Professor
Ph.D. (Indian Institute of Technology, Roorkee)

Subject Area & Research Details:
Mathematical Biology, Non-linear Dynamical System, Bioinformatics

Jagdish Chand Bansal
Assistant Professor
Ph.D. (Indian Institute of Technology, Roorkee)

Subject Area & Research Details:
Optimization Techniques, Swarm Intelligence.

ACCOMPLISHMENTS OF THE FACULTY MEMBERS

Research Papers

1. **Mohanty, R.K**., Jain, M.K. and Dhall, D. (2013) High accuracy cubic spline approximation for two dimensional quasi-linear elliptic boundary value problems. Applied Mathematical Modelling (Vol.) 37: 155-71.

2. **Mohanty, R.K**. Jain, M.K. and Singh, S. (2013) A new three-level implicit cubic spline method for the solution of 1D quasi-linear hyperbolic equations. Computer and Mathematical Modelling (Vol.) 24: 452-470.

3. **Mohanty, R.K**. **And Gopal,V.** (2013) A new off-step high order approximation for the solution of three-space dimensional nonlinear wave equations. Applied Mathematical Modelling (Vol.) 37: 2802-2815.

4. **Mohanty, R.K.** and Gopal, V. (2013) A fourth order finite difference method based on spline in tension approximation for the solution of one-space dimensional second order quasi-linear hyperbolic equations. Advances in Differential Equations (Vol.) 2013: (ID) 70.

5. **Mohanty, R.K.** and Setia, N. (2013) A new high order compact off-step discretization for the system of 3D quasi-linear elliptic partial differential equations. Applied Mathematical Modelling (Vol.) 37: 6870-6883.

6. **Mohanty, R.K.**, **Jha, N.** and Chauhan, V. (2013) Arithmetic average geometric mesh discretizations for fourth and sixth order nonlinear two point boundary value problems. Neural Parallel & Scientific Computations (Vol.) 21: 393-410.

7. **Mohanty, R.K.** and Setia, N. (2013) A new compact high order off-step discretization for the system of 2D quasi-linear elliptic partial differential equations. Advances in Difference Equations (Vol.) 2013: (ID) 223.

8. Talwar, J., and **Mohanty, R.K.** (2013) Spline in compression method for non-linear two point boundary value problems on a geometric mesh. Neural Parallel & Scientific Computations (Vol.) 21: 553-70.

9. Gopal, V., **Mohanty, R.K.** and **Jha, N.** (2013) New non-polynomial spline in compression method of $O(k^2+h^4)$ for the solution of 1D wave equation in polar co-ordinates. Advances in Numerical Analysis (Vol.) 2013: (ID) 470-80.

10. **Mohanty, R.K.** and Talwar, J. (2013) SWAGE algorithm for the cubic spline solution of nonlinear viscous Burgers' equation on a geometric mesh. Results in Physics (Vol.) 3: 195-204.

11. **Jha, N., Mohanty, R.K.** and Chauhan, V. (2013) Geometric mesh three point discretization for fourth order nonlinear singular differential equations in polar system. Advances in Numerical Analysis (Vol.) 2013: (ID) 614508.

12. Singh, S., Singh, S., and **Mohanty, R.K.** (2013) A new high accuracy off-step discretization for the solution of 2D non-linear triharmonic equations. East Asian Journal on Applied Mathematics (Vol.) 03: 228-46.

13. Gopal, V., **Mohanty, R.K.** and Saha, L.M. (2013) A new high accuracy non-polynomial tension spline method for the solution of one dimensional wave equation in polar co-ordinates, Journal of Egyptian Mathematical Society (Accepted for publication).

14. Talwar, J. and **Mohanty, R.K.** (2013) A new modified group explicit iterative method for the numerical solution of time dependent viscous burgers' equation. Int. J. Modelling, Simulation and Scientific Computing (Accepted for publication).

15. **Jain, P.** and Jain S., (2013) On young type inequalities for generalized convolution, Proc. A. Razmadze Math. Inst., (Accepted for publication).

16. **Sinha, D.** and Kaur, J. (2013) Full Friendly index set- I. Discrete Appl. Math. Vol. 161, 1262-1274.

17. Acharya, M. and **Sinha, D.** (2013) Characterization of Signed Line Digraphs, Dis. Appl. Math.,Vol. 161, 1170-1172.

18. **Sinha D.,** Upadhayaya S. and Kataria P.(2013).Characterization of Common edge signed graphs, Dis. Appl. Math.,Vol. 161, 1275-1285.

19. **Sinha D.** and Kaur J. (2013) Region indices of friendly labeling of a planar graph, UtilitasMat.**,** (Accepted for publication).

20. Mathur T., Mathur R.and **Sinha D**. (2013) Characterization and Subordination Properties for λ-Spirallike Generalized Sakaguchi Type Functions,Palestine J. Math.,(Accepted for publication).

21. **Sinha D.** and Dhama A. (2013) Sign-compatibility of some derived signed graphs, Indian J. Math., Vol. 55, 23-40.

22. **Sinha D.** and Garg P. (2013) Balance and antibalance of tensor product of two signed graphs, Thai J. Math., (Accepted for publication).

23. **Sinha D.** and Dhama A. (2013) Canonical Sign-compatibility of some signed graphs,J. Comb., Inf. and System Sc., (Accepted for publication).

24. **Sinha D.,** Dhama A. and Acharya B.D. (2013) Unitary Addition Cayley Signed Graphs,Europ. J. Pure Appl. Math., Vol. 6, 189-210.

25. **Sinha D. and Garg P.** (2013) A characterization of canonically consistent total signed graphs, notes on number theory and discrete mathematics, Vol. 19, 70-77.

26. **Sinha D., Garg P. and Saraswat H.** (2013) On the splitting signed graphs. Journal of Combinatorics, Information and System Sciences, 38, 103-111.

27. **Sinha D**. and Dhama A. (2013) Sign-compatibility of common-edge sigraphs and 2-path sigraphs. Graph Theory Notes of New York, Vol. LXV, (Accepted for publication).

28. **Sinha D**. and Kaur J. (2013) Region indices of Edge-friendly labeling of a planar graph. Utilitas Mat.**,**(Accepted for publication).

29. Kharbanda P., Agarwal D. and **Sinha D.** (2013) Second order non-smooth multi-objective fractional programming problem involving support functions. J. Appl. Math. Inf., Vol. 31, 835-852.

30. Kharbanda P., Agarwal D. and **Sinha D.** (2013) Generalized univex functions in non-smoothmultiobjective optimization, J. Math. Modelling and Algorithms, 1-14, doi:10.1007/s10852-013-9218-8.

31. Kharbanda P., Agarwal D. and **Sinha D.** (2013) Non-smooth multi-objective optimization involving generalized univex functions, Opsearch, 1-18, doi:10.1007/s12597-013-0135-4.

32. Kharbanda P., Agarwal D. and **Sinha D.** (2013) Multi-objective programming under(φ, d)-V-type I univexity,Opsearch1-18, doi:10.1007/s 12597-013-0164-z.

33. Kharbanda P., Agarwal D. and **Sinha D.** (2013) Non-smooth multi-objective programming problem involving $(dI - \rho - \sigma)$-V-type I functions.Int. J.Oper. Res., (Accepted for publication).

34. Kharbanda P., Agarwal D. and **Sinha D.** (2013) Non-differentiable multi-objective programming under generalized function. Int. J.Oper.Res., (Accepted for publication).

35. Kumar A., Singh P., Tomer N.S. and **Sinha D.** (2013) Analysis of Porosity Effects on Unsteady Stretching Permeable Sheet,Walailak Journal of Science and Technology (WJST), Thailand, (Accepted for publication).

36. **Mathur, T**., Mathur, R. and **Sinha, D.** (2013) Applications of Feket-Szegoinequalities for generalized Sakaguchi type functions tofractional derivative operator, Mathematika UTM., (Accepted for publication).

37. Sharma N., **Sharma K.K.** (2013) Unconditionally stable numerical method for a nonlinear partialintegro-differential equation, Computers & Mathematics with Applications, doi:10.1016/j.camwa.2013.10.010.

38. **Sharma K.K.**, Rai P., Patidar K.C. (2013) A review on singularly perturbed differential equations with turning points and interior layers, App. Math. Comp., Vol. 219, 10575-10609.

39. Behl R., Kanwar V., **Sharma K.K.** (2013) Optimal equi-scaled families of Jarratt's method, Int.J. Comp. Math.,Vol. 90, 408-422.

40. Behl R., Kanwar V., **Sharma K.K.** (2013) Modified optimal families of fourth-order Jarratt's method, Int. J. Pure and App. Math., Vol. 84, 331-343.

41. Jiwari R., Mittal R.C., **Sharma K.K.** (2013) A numerical scheme based on weighted average differential quadrature method for the numerical solution of Burgers' equation,App. Math. Comp., Vol. 219, 6680-6691.

42. Mursaleen M., Mohiuddine SA., **Lohani D.Q.M.**, Khan MF. (2013) Nonlinear operators on fuzzy 2-normed spaces and Fréchet derivative, J. Intelligent and Fuzzy Systems, Vol. 25, 1043-1051.

43. Nath R., Shukla A.K., Muhuri P.K., **Lohani D.Q.M**, (2013) NSGA-II based energy efficient scheduling in real-time embedded systems for tasks with deadlines and execution times as type-2 fuzzy numbers, FUZZ-IEEE, 1-8.

44. **Jha N.** (2014) High order accurate quinticnonpolynomial spline finite difference approximations for the numerical solution of non-linear two point boundary value problems. International Journal of Modeling, Simulation and Scientific Computing (Vol.) 5: (ID) 1350018.

45. **Jha N.**(2013) Nonpolynomial spline finite difference scheme for nonlinear singular boundary value problems with singular perturbation and its mechanization, Discrete and Continuous Dynamical Systems 355 - 63.

46. **Jha N.**, and **Mohanty R.K.** (2014) Quintic hyperbolic nonpolynomial spline and finite difference method for nonlinear second order differential equations and its application. Journal of Egyptian Mathematical Society (Vol.) 22: 115-22.

47. **Jha N.**(2013) A fifth order accurate geometric mesh finite difference method for general nonlinear two point boundary value problems. Applied Mathematics and Computations (Vol.) 219: 8425-34.

48. **Bansal, J. C.,** Sharma H., Arya K. V. and Nagar A. (2013) Memetic search in artificial bee colony algorithm, Soft Computing, Vol. 17, 1911 – 1928.

49. **Bansal, J. C.,** Sharma H., Nagar A. and Arya K. V. (2013) Balanced artificial bee colony algorithm, Int. J. Artificial Intelligence and Soft Computing, Vol. 3, 322-343.

50. **Bansal, J. C.,** Sharma H. and Jadon S. S. (2013) Artificial bee colony algorithm: a survey, Int. J. Advanced Intelligence Paradigms, Vol. 5, 123-159.

51. **Bansal, J.C.,** Sharma H., Arya K.V., Deep K. and Pant M. (2013) Self Adaptive Artificial Bee Colony, Optimization, (Accepted for publication).

52. Sharma H., **Bansal, J.C.**, Arya K. V. (2013) Power Law based local search in Artificial Bee Colony Algorithm, Int. J. Artificial Intelligence and Soft Computing, (Accepted for publication).

Books Published

1. Jain P.K. and **Jain P.,** General Measure and Integration, New Age International (P) Ltd., 2013, ISBN No. 978-81-224-3567-2.

2. Pant, M.; Deep, K.; Nagar, A.; **Bansal, J.C.** (Eds.), Proceedings of the Third International Conference on Soft Computing for Problem Solving, SocProS 2013, Vol.1 and 2, Series: Advances in Intelligent Systems and Computing, Vol. 258 and 259.

3. **Bansal, J.C.** (Edited Special Issue), on "Bio-Inspired Computing: Theories and Applications" of Journal of Computational Sciences.

4. **Bansal, J.C.** (Edited Special Issue), on "Advances in nature inspired algorithms for complex numerical optimization problems" of Memetic Computing.

Book Chapters by Faculty Members

1. Rai P. and **Sharma K.K.**, The Numerical Study of Singularly Perturbed Differential-Difference Turning Point Problems: Twin Boundary Layers, Numerical Mathematics and Advanced Applications 2011, Springer Berlin Heidelberg, 2013, ISBN No. 978-3-642-33133-6.

2. Dass P., Sharma H., **Bansal, J.C.**, Nygard K. E. (2013) Meta heuristics for prime factorization problem, Nature and Biologically Inspired Computing (NaBIC), 2013 World Congress on, 126-131, 12-14 Aug. 2013.

3. Sharma, H. Jadon, S. **Bansal, J.C**. and Arya, K. V. (2013) Lèvy Flight Based Local Search in Differential Evolution, proceedings of 'Swarm, Evolutionary, and Memetic Computing', 8297, 248-259.

4. Jadon, S. Sharma, H., **Bansal, J.C**. and Tiwari, R. (2013) Self Adaptive Acceleration Factor in Particle Swarm Optimization, proceedings of Seventh International Conference on Bio-Inspired Computing: Theories and Applications (BIC-TA 2012), Springer India, 201, 325-340.

Conferences / Symposia Attended / Papers Presented

1. **Mohanty, R.K.** (Invited Speaker), Delivered a series of 06 Lectures on 'Numerical Solution of Partial Differential Equations' under NPDE-TCA, PG Level Training Programme at IIT Madras, 3-5 June, 2013.

2. **Mohanty, R.K.** (Invited Speaker), Delivered a talk on 'Cubic spline method for the solution of 1D Non-linear wave equations'in The International Conference on Mathematical Modeling and Numerical Simulation-2013, Babasaheb Bhimrao University, Lucknow, 01-03 July, 2013.

3. **Jain, P.** (Invited Speaker) An invited talk on Properties and inequalities in certain generalized Lorentz spaces, in the 78th Annual Conference on Indian Mathematical Society held at Banaras Hindu University, Varanasi, 22-25 January, 2013.

4. **Jain, P.** (Invited Speaker) An invited talk on Newton type methods for non-linear equations, in the 10th National Conference organized by the Indian Society of Mathematics and Mathematical Sciences at Gorakhpur, 23-24 February, 2013.

5. **Jain, P.** Invited to conduct Summer School on Numerical Analysis and Applications, by the Department of Mathematics, Tribhuvan University, Kathmandu, Nepal, 24-29 June, 2013. During the school, Dr. Jain delivered a 25-hour course consisting of series of lectures and computer hands on. The participants of the school were faculty members of various campuses of Tribhuvan University.

6. **Sinha, D.** Participated in the Pre-ICDM-2013 Instructional Workshop on Recent Advances in Spectral Graph Theory, Wrangler Dr. D.C. Pavate Institute of Mathematical Sciences (PIMSci), Karnatak University Campus, Karnataka, 5-9 June, 2013.

7. **Sinha, D.** (Invited Speaker) Negation Switching Invariant t-path Signed Graphs, International Conference on Discrete Mathematics, Wrangler Dr. D.C. Pavate Institute of Mathematical Sciences (PIMSci), Karnatak University Campus, Karnataka, 10-14 June, 2013.

8. **Sharma, K.K.** (Invited Speaker) Delivered two lectures on 'Numerics for Differential Equations' in refresher course in Mathematics, Computer science, Statistics and Operation Research, Centre for Professional Development in Higher Education (UGC-ASC), University of Delhi, Delhi, 14 December-4 January, 2013.

9. **Sharma, K.K.** (Invited Speaker) Delivered a series of 04 lectures on 'Computational Methods for Partial Differential Equation' in The TEQIP-II Short Term Training Programme on Current Trends in Computational Methods for Partial Differential Equations and Fluid Mechanics, Department of Applied Mathematics and Humanities, SVNIT, Surat, 19-23 August, 2013.

10. **Lohani, Q. M. D. (**Speaker/Resource Person)International Workshop on Machine Learning and Text Analytics, Department of Computer Science, South Asian University, New Delhi, 15-23 October, 2013.

11. **Bansal, J.C.**(Coordinator and Speaker) Department of Science and Technology (DST) sponsored, National Programme for Training of Scientists & Technologists Working in Government Sector on Soft Computing Techniques for Optimization, ABV-Indian Institute of Information Technology and Management Gwalior, 4-8 March, 2013.

12. **Bansal, J.C.** (Invited Talk) Short term course on "Optimization Techniques for Engineering Applications (OTEA 2013), organized by Department of Mechanical Engineering, UCE, Rajasthan Technical University, Kota, 8-12 May, 2013.

13. **Bansal, J.C.** (Invited Talk) STTP on Open Source Technology and Tools under TEQIP-II organized by the Department of CS and IT, Govt. Engineering College Ajmer,30 July – 3 August, 2013.

14. **Bansal, J.C.** (Invited Talk) Advance course on Cryptography and Information Security (ACCIS)-2013, DRDO Delhi, 9-20 Sept, 2013.

15. **Bansal, J.C.** (Expert Lecture) AICTE Sponsored National level seminar on Network & Soft Computing organized by IES College of Technology, Bhopal, 11-13 November, 2013.

16. **Bansal, J.C.** (Invited Talk) STTP on Nature Inspired Optimization Techniques for Engineering Applications under TEQIP-II, organized by the Department of Electrical Engineering, MITS, Gwalior, 2-6 December, 2013.

Awards / Honours

1. **Jain P.,** Associate Editor, Journal of Function Spaces and Applications; Journal of Mathematical Inequalities, Eurasian Mathematical Journal, Journal of Inequalities and Special Functions, Advances in Inequalities and Applications.

2. **Sinha, D.** Assistant Editor**,** Journal of Combinatorics, Information and System Sciences.

3. **Sharma, K.K.** Associate Editor, Applied Mathematics and Computation.

4. **Bansal, J.C.** Appointed as General Secretary, Soft Computing Research Society.

5. **Bansal, J.C.** Editor-in-Chief, International Journal of Swarm Intelligence.

**Visits of Scholars to the Department / Faculty**

1. Invited talk by **Prof. M.K.Kadalbajoo**, IIT Kanpur on 'A Peep into the Numerics of Initial Value ODEs' on 29/01/2013

2. Invited talk by **Prof. M.K.Kadalbajoo**, IIT Kanpur on 'Computational Mathematics – Some Challenges' on 29/01/2013

3. Invited talk by **Prof. Peeyush Chandra**, IIT Kanpur on 'Mathematical Modelling for HIV Infection in Vivo' on 18/02/2013

4. Invited talk by **Prof. B.K. Dass**, University of Delhi on 'Interdisciplinary Nature of Mathematics' on 21/02/2013

5. Invited talk by **Prof. Rajendra Bhatia**, Indian Statistical Institute, Delhi on 'Min Matrix – How much we can learn from one example' on 12/09/2013

6. Invited talk by **Prof. S. Chandra Shekhar Rao**, IIT, Delhi on 'Matrix Eigen Value Problem: Some Application & Computation' on 23/09/2013.

7. Invited talk by **Prof. G.D. Veerappa Gowda**, Tata Institute for Fundamental Research, Mumbai on 'Numerical Methods for Hyperbolic Partial Equations' on 21/10/2013.

8. Invited talk by **Prof. M.K. Kadalbajoo**, IIT Kanpur on 'Finite Element Methods for Unsteady Problems' on 28/11/2013.

Any Other Items

1. A Two day symposium on 'Computational Techniques & Mathematics Modeling' was organized by **Sharma, K.K.**, Associate Professor & **Dr. NavnitJha**, Assistant Professor, Dept. of Mathematics, SAU during 5 - 6 April, 2013.

2. A Five-Day workshop 'Instructional Workshop on Applied Mathematics' was organized by **Jain**, **P.** Associate Professor, Dept. of Mathematics, SAU from 6 - 10 May 2013. Among the participants, there were 20 from outside India apart from SAU own International Students. The workshop was sponsored by DST, CSIR, DRDO and SAU.

3. A Two-Day symposium on 'Discrete Mathematics & Discretization Methods' was organized by **Sinha**, **D.** Associate Professor & **Sharma. K.K.**, Associate Professor, Dept. of Mathematics, SAU during 25 - 26 October, 2013.

4. **J.C. Bansal** (Conference Organizing Secretary): Third International Conference on Soft Computing for Problem Solving, 2013 held at Noida Extension centre of IIT Roorkee and organized by IIT Roorkee from 26 - 28 December, 2013.

Miscellaneous

1. **Jain P.** (Session Chair) Chaired a session in the 79th Annual Conference on Indian Mathematical Society held at Rajagiri School of Engineering and Technology, Rajagiri, Cochin, 28 - 31 December, 2013.

2. **Sharma, K.K.** (Session Chair): Chaired a session in the workshop on "Mathematical Modeling and Computational Techniques" to be held, under the auspices of University Institute of Engineering and Technology, Punjab University, Chandigarh, 27 - 28 September, 2013.
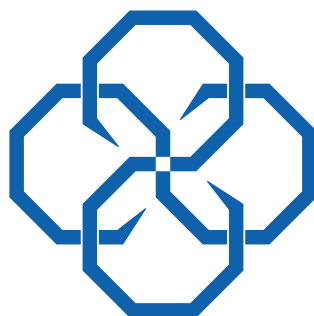
DEPARTMENT OF COMPUTER SCIENCE

Dean's Remark

The Department of Computer Science is one of the first two departments established by the university. The Department initiated its teaching activities through a postgraduate programme in Computer Applications in 2010 with a total intake of 30 students. In 2011, the programme transformed to a more focused, rigorous and intensive programme as the faculty strength of the department increased. At present, there are two batches of Masters' students at different stages of their curriculum. This year, the Department has also started Ph.D. programme as part of the university's vision plan to strengthen research activities. The Department has proposed an intensive and unique research programme with an early exit option of an M.Phil. Degree. To create an experimental setup for the doctoral and masters' research, the Department has instituted a state of the art infrastructure with one general purpose computing laboratory and six specialized laboratories. The Department envisions setting up world class research environment and facilities in the areas of Artificial Intelligence and Machine Learning; Computer Graphics and Image Processing; Computer Networks and Mobile Computing; Data and Text Analytics; Distributed Computing; and Embedded and Real-Time Systems. The Department organized several academic and training activities in the calendar year 2013 such as CSIR sponsored Symposium on Image Processing and Pattern Recognition (S-IPPR 2013), an International Workshop on Machine Learning and Text Analytics, and invited lectures by eminent speakers on topics of contemporary interest, and other training programmes for all round grooming of students.

Degrees Offered & Student Break-up:

Programme of Study	Male	Female	Total
M.Sc. Computer Science	41	8	49
Ph.D. Computer Science	5	1	6

Country-wise Break-up of Students

Afghanistan	06	Maldives	01
Bangladesh	10	Nepal	06
Bhutan	01	Pakistan	04
India	25	Sri Lanka	02

Courses Offered for M.Sc. Computer Science

Semester I

Course Titles	Credits
CS 101: Programming & Data Structure	4
CS 102: Database Management System	4
CS 103: Discrete Mathematics	4
CS 104: Probability & Statistics	4
CS 105: Computer Organization	4

Semester II

Course Titles	Credits
Design and Analysis of Algorithms	4
Operating Systems	4
Computer Networks	4
Elective I	4
Elective II	4

Semester III

Course Titles	Credits
CS 301: Compiler Design	3
CS 30B: Information Retrieval	3
CS 30F: Computer Vision & Image Understanding	3
CS 30H: Real-Time Systems	3
CS 30L: Mobile Computing	3
CS 30-: Applied Stochastic Process	3

Semester IV

Course Titles	Credits
CS 401: Colloquium	2
CS 400: Project	12

Courses Offered for Pre-Ph.D. Computer Science

Semester I

Course Titles	Credits
CS 701: Advanced Data Structures & Algorithms	3
CS 702: Mathematical Topics for Computer Science	3
CS 703: Seminar	1

Semester II

Course Titles	Credits
Elective I	4
Elective II	4
Technical writing & Seminar	1

FACULTY MEMBERS:

Ranjan K. Mohanty
Professor & Dean - FMCS

Ph.D.(Indian Institute of Technology, Delhi)

Ekta Walia
Associate Professor & Chairperson
(Dept. of Computer Science)
Ph.D.

Subject Area & Research Details:
Computer Graphics, Image Processing and Pattern Recognition

Pranab Muhuri
Associate Professor
Ph.D.

Subject Area & Research Details: Real-Time Systems and Soft Computing

Vasudha Bhatnagar
Associate Professor (Visiting)
Ph.D.

Subject Area & Research Details:
Machine Learning, Data Mining; and Distributed Computing and Cloud Computing

Amit Banerjee
Assistant Professor
Ph.D.

Subject Area & Research Details:
Wireless adhoc and sensor networks; Mobile adhoc networks, P2p networks and Mobile computing

Vivek Singh
Assistant Professor
Ph.D.

Subject Area & Research Details:
AI & Machine Learning and Text Analytics

Reshma Khemchandani
Assistant Professor
Ph.D.

Subject Area & Research Details:
Machine Learning; and Optimization and Financial Mathematics

Note: Dr. Divakar S. Yadav, Associate Professor in Computer Science and Chairperson of the Department of Computer Science, left the University in February 2013.

ACCOMPLISHMENTS OF THE FACULTY MEMBERS

Research Papers

1. **Walia E.,** Suneja A. (2013) A Fragile and Blind Watermarking Techniques Based on Weber's Law for Medical Image Authentication, IET Computer Vision. (vol) 7, Issue 1, doi 10.1049/iet-cvi.2012.0109.

2. Singh C., **Walia E.,** Upneja R. (2013) Accurate Calculation of Zernike Moments, Information Sciences.(Vol.) 233, 255–75.

3. **Walia E.,** Suneja A., Singh C. (2013) Computationally Efficient Rotation Invariant Discrete Cosine Transform Based Semi Blind Watermarking Technique, International Journal of Signal and Imaging Systems Engineering. (Vol.) 7 (Accepted for publication).

4. **Walia E.,** Goyal A., Brar Y.S. (2013) Zernike Moments and LDP Weighted Patches for Content Based Image Retrieval. Signal, Image and Video Processing.doi 10.1007/s11760-013-0561-z.

5. Pinto, D., Adorno, H.G., Vilarino, D. and **Singh, V.K.** (2013) A Graph-Based Multi-Level Linguistic Representation for Document Understanding, Pattern Recognition Letters, Vol. 41, 93-102, Elsevier.

Books Published

1. **Bhatnagar V.,** Srinivasa S, Big Data Analysis, Lecture Notes in Computer Science, Vol. 8302, Springer-Verlag, 2013, ISBN 978-3-319-03688-5.

Book Chapters by Faculty Members

1. Kohli K. and **Singh V.K.** (2013) Mapping the Indian Blogosphere: Topical Trends, Entities and Sentiment of Indian Bloggers in 2012. In J. Mathew et al. (Eds.) Advances in Energy Aware Computing and Communication Systems, McGraw-Hill. (ISBN: 9351343324)

2. **Muhuri P.K.,** Shukla K.K. (2013) Task Scheduling under Uncertain Timing Constraints in Real-Time Embedded Systems. Embedded Computing Systems: Applications, Optimization, and Advanced Design, Mohamed Khalgui, Olfa Mosbahi and Antonio Valentini (Eds.), IGI Global, ISBN 978-1-4666-3922-5.

3. Piryani R, Uddin A, Devaraj M. and **Singh V.K.** (2013) A Text Mining-based Approach for Concept and Relation Extraction and RDF Schema Generation for eBooks, Lecture Notes in Artificial Intelligence Vol. 8284, Springer-Verlag Berlin-Heidelberg, 529-540.

4. Relan M., Khurana S. and **Singh V.K.** (2013) Qualitative Evaluation and Improvement Suggestions for eBooks using Text Analytics Algorithms. In J. Mathew et al. (Eds.), Advances in Energy Aware Computing and Communication Systems, McGraw-Hill. (ISBN: 9351343324)

5. Singh S., **Singh V.K.** and Siddiqui T.J. (2013) Hindi Word Sense Disambiguation using Semantic Relatedness Measure. Lecture Notes in Computer Science Vol. 8271, Springer-Verlag Berlin-Heidelberg.

6. **Singh V.K.,** Piryani R, Uddin A. and Pinto D. (2013) A Content-based eResource Recommender System to augment eBook-based Learning. Lecture Notes in Computer Science Vol. 8271, Springer-Verlag Berlin-Heidelberg, 257-268.

7. Uddin A, Piryani R. and **Singh V.K.** (2013) Information and Relation Extraction for Semantic Annotation of eBook Texts, Advances in Intelligent Systems and Computing Vol. 235, Springer, 215-226.

Research Grants Obtained by Faculty Members

1. **Singh, V.K.** "UGC Major Project on Machine Learning Techniques for Classification, Clustering and Sentiment Labeling of Web Documents", (2013-2016), INR 10.94 Lakhs.

2. **Singh, V.K.** "Indo-Mexican joint research project on Machine Learning Techniques for Context Aware Recommender Systems", (2013-2016), INR 13.72 Lakhs (Indian Side).

Conferences/Symposia Attended/Papers Presented

1. Brar Y.S, **Walia E.,** Goyal A., gabor Wavelet enabled Zernike Moments for Effective Content Based Image Retrieval. International Conference on Image Analysis and Recognition (ICIAR 2013), 26-28 June, 2013, Portugal.

2. Saigal P, Pandey B, **Walia E.,** Design of Frame Buffer for 1THz Energy Efficient Digital Image Processor Based on HSLVDCI IO Standard on FPGA. International Conference on Signal Processing and Communication,12 - 19 December, 2013, Noida, India.

3. Nath R., Shukla A.K, **Muhuri P.K., Lohani Q.M.D.,** NSGA-II based Energy Efficient Scheduling in Real-Time Embedded Systems for Tasks with Deadlines and Processing Times as Type-II Fuzzy Numbers. IEEE International Conference on Fuzzy Systems, 7 - 10 July, 2013, Hyderabad, India.

4. Waila P., **Singh V.K.** and Singh M.K. Blog Text Analytics using Topic Modeling, Named Entity Recognition and Sentiment Classifier Combine. International Conference on Advances in Computing. Communication and Informatics, 22 - 25 August, 2013, Mysore, India. Proceedings in IEEE Xplore.

5. Khurana S., Relan M and **Singh V.K.** A Text Analytics-based Approach to Compute Coverage, Readability and Comprehensibility of eBooks. 6th International Conference on Contemporary Computing, 8 - 10 August, 2013 Noida, India. Proceedings in IEEE Xplore.

6. **Singh V.K.,** Waila P., Sadat R., Piryani R., Uddin A. Computational Analysis of Thematic Blog Data for Sociological Inference Mapping. IEEE 8th International Symposium on Applied Computational Intelligence and Informatics, May, 2013, Timisoara, Romania.

7. **Singh V.K.,** Waila P., Piryani R. and Uddin A. Computational Exploration of Theme-based Blog Data using Topic Modeling, NERC and Sentiment Classifier Combine. AASRI Conference on Intelligent Systems and Control, 17 - 18 April, 2013, Vancouver, Canada. Proceedings in Elsevier Procedia.

8. **Singh V.K.,** Singh G. and Pande S. Emergence, Self-organization and Collective Intelligence: Modeling the Dynamics of Complex Collectives in Social and Organizational Settings. UKSIM2013.10 - 12 April, 2013, Cambridge, UK. Proceedings in IEEE Xplore.

9. **Singh V.K.,** Piryani R., Uddin A. and Waila P. Sentiment Analysis of Movie Reviews: A new feature-based Heuristic for Aspect-level Sentiment Classification. International Multi-Conference on Automation, Communication, Computing, Control and Compressed Sensing, 22 - 23 March, 2013, Kerala, India. Proceedings in IEEE Xplore.

10. **Singh V.K.,** Piryani R., Uddin A. and Waila P. Sentiment Analysis of Movie Reviews and Blog Posts: Evaluating SentiWordNet with Different Linguistic Features and Scoring Schemes. IEEE International Advanced Computing Conference, February, 2013, Ghaziabad, India. Proceedings in IEEE Xplore.

11. **Singh V.K.,** Waila P., Marisha, Piryani R. and Uddin A. Sentiment Analysis of Textual Reviews: Evaluating Machine Learning, Unsupervised and SentiWordNet Approaches. 5th International Conference of Knowledge and Smart Technologies, 31 January - 1 February, 2013, Thailand. Proceedings in IEEE Xplore.

Other Faculty Participations

1. **Walia E.,** Invited speaker, Face Recognition with Global and Local Features. Technical seminar series IEEE Winnipeg Section-Communication Chapter, University of Manitoba, Canada, 6 March, 2013.

2. **Walia E.,** Invited speaker, Two-Stage Face Recognition using Global and Local Features. Department of Applied Computer Science. University of Winnipeg, Canada, 24 January, 2013.

3. **Walia E.,** Invited speaker, Face Recognition and Digital Image Watermarking. Refresher Course, Academic Staff College, Jawaharlal Nehru University, New Delhi, 30 July, 2013.

4. **Walia E.,** Invited speaker, Automated Face Recognition. Guru Gobind Singh College of Commerce, Delhi University, New Delhi, 1 October, 2013.

5. **Walia E.,** Invited speaker, Medical Image Watermarking. Advances in Software Engineering and Knowledge Based Systems. NIT, Jalandhar under TEQIP-II, 16 December, 2013.

6. **Muhuri P.K.,** Invited speaker, Fuzzy Scheduling in Real-Time Systems. Models of Decision and Optimization (MODO) Research Group. Department of Computer Science and Artificial Intelligence. University of Granada, Spain, 12 November, 2013.

7. **Bhatnagar V.,** Invited speaker, Data Understanding using Semi-Supervised Clustering. Refresher Course, Academic Staff College, Jawaharlal Nehru University, New Delhi, July 2013.

8. **Singh, V.K.,** Invited speaker on Document Clustering using Traditional and Metaheuristic Techniques. In DST, GOI sponsored National Programme for Training of Scientists and Technologists Working in Government Sector, IIITM, Gwalior, India, 4 - 9 March, 2013.

9. **Singh, V.K.,** Invited speaker on Document Clustering using EAs and Metaheuristics. In TEQIP Workshop on Optimization Techniques for Engineering Applications, at Rajasthan Technical University, Kota, India, 9 May, 2013.

10. **Singh, V.K.,** Invited speaker on Evolutionary Algorithms and Metaheuristics. In TEQIP Workshop on Optimization Techniques for Engineering Applications, at Rajasthan Technical University, Kota, India, 9 May, 2013.

11. **Singh, V.K.** Invited speaker on Applying GA and PSO for Text Clustering Problem. In TEQIP sponsored One Week Short term Course in Soft Computing, Deen Bandhu Chhotu Ram University of Science & Technology, Murthal, Sonepat, Haryana, 9 October, 2013.

12. **Singh, V.K.,** Invited speaker, Crowd sourcing and Elections. Electoral Officers of Commonwealth Countries, International Institute of Democracy and Election Management, Election Commission of India, New Delhi, 25 October, 2013.

13. **Singh, V.K.,** Invited speaker on Sentiment Analysis. In International Workshop on Machine Learning and Text Analytics (www.sau.ac.in/~mlta/) at SAU, New Delhi, 15 - 23, December 2013.

Awards / Honours

1. **Walia E.,** Visiting Professor (research assignment), Department of Electrical and Computer Engineering at University of Manitoba, Canada, 9 January - 9 March, 2013.

2. **Walia E.,** Co-Chair, Methods of Moments in the Analysis of Images and Objects, International Conference on Image Analysis

and Recognition (ICIAR 2013), Portugal, 26 -28 June, 2013.

3. **Muhuri P.K.,** Visiting Researcher, Models of Decision and Optimization (MODO) Research Group, Department of Computer Science and Artificial Intelligence, University of Granada, Spain, 1-15 November, 2013.

4. **Bhatnagar V.,** Invitee for discussion Big Data and E-infrastructure, Research Council UK (RCUK), British High Commission, New Delhi, India, November, 2013.

5. **Bhatnagar V.,** Programme Co-Chair, Second International Conference on Big Data Analysis, Mysore, India. 16 - 18 December, 2013.

6. **Bhatnagar V.,** Chair, Distinguished Speaker Programme, ACM-Delhi NCR Chapter.

7. **Singh, V.K.:** Chair, Session on Data Mining, Clustering and Intelligent Information Systems, 2nd International Conference on Advances Computing, Communications and Informatics, Mysore, India, 22-25 August, 2013.

Membership of Professional Bodies/Organizing Committee (2013)

1. **Bhatnagar V.:** Member, Research Council, DESCIDOC, DRDO, Metcalfe House, Delhi.

2. **Bhatnagar V.:** Member, organizing committee, I-CARE2013, DMSI2013, DaWaK 2013, BDA2013, MIKE2013.

3. **Bhatnagar V.:** Associate, Inter-University Centre for Astronomy and Astrophysics, Pune.

4. **Singh, V.K.:** Elected Executive Committee Member of ACM Delhi NCR Chapter for the year 2013.

5. **Singh, V.K.:** Elevated to Senior Member Grade of Institution of Electrical and Electronic Engineers (IEEE), USA.

6. **Singh, V.K.:** Organizing Chair of 10-day long International Workshop on Machine Learning and Text Analytics at SAU, New Delhi, 15 - 23 December, 2013.

Visits of Scholars to the Department / Faculty

1. **Dr. M. Moni**, National Informatics Center, Delhi, gave a talk on "Agri Informatics", 7 January, 2013.

2. **Dr. Pramod Singh**, Business and Application Services (BAS), Fujitsu Australia, gave a talk on "Big Data: Challenges & opportunities", 7 February, 2013.

3. **Prof. Ajay Gupta**, University of Delhi, gave a talk on "Network Administration & Securities", 17 April, 2013.

4. **Prof. Sanjay K. Madria**, Missori University, USA, gave a talk on "A Secure Data Sharing and Query Processing Framework via Federation of Cloud Computing", 6 August, 2013.

5. **Prof. P.K. Attrey**, University of Winnipeg, Canada, gave a talk on "Adaptive Workload Equalization in Multi-Camera Surveillance Systems", 21 August, 2013.

6. **Prof. Ramesh Kumar Agarwal**, Jawaharlal Nehru University, New Delhi, gave a talk on "Medical Imaging - Feature Extraction for Classification of Alzheimer's From MRI Brain Images", 16 September, 2013.

7. **Prof. Subhash Bhalla**, University of Aizu, Japan, gave a talk on "Model Driven Information Querying", 24 September, 2013.

8. **Prof. R.K. Shyamsundar**, TIFR, Bombay, gave a talk on "Parallel Programming & Multi-Core Architectures', 18 October, 2013.

9. **Prof. M.K. Kadalbajoo**, IIT, Kanpur, gave a talk on "Basics of Parallel Computing & Applications", 24 October, 2013.

10. **Mr. Shazedur Rahim Joardar**, Gen. Secy., FOSS Bangladesh, gave a talk on "Free Software for your Freedom", 30 October, 2013.

11. **Prof. David Eduardo Pinto Avendano**, Research Professor, University of Puebla, Mexico visited the University during 15 - 30 June, 2013 as part of a Indo-Mexican Joint Research Project being run at the University.

Accomplishments of the Students

1. **Mr. Urminder Singh**, MCA 2013, qualified UGC-NET 2013 exam for Junior Research Fellowship.

2. Mr. Rahul Nath, M.Sc. Computer Science 2013, qualified UGC-NET 2013 exam for National Eligibility Test of Lectureship.

Any Other Items

1. A two day training programme in 'R' (free software environment for statistical computing and graphics), was conducted twice in the year 2013 (February and April) for the M.Sc. Computer Science students.

2. A two day symposium on 'Image Processing & Pattern Recognition' was organized by **Dr. Ekta Walia** and **Dr. Navneet Jha**, during 31 Oct – 1 November, 2013. Ten eminent speakers from all over India delivered research talks in this field. It was attended by academicians, industry professionals, research scholars and students from SAARC nations. It was partially funded by CSIR, India.

3. An International Workshop on Machine Learning and Text Analytics was organized by **Dr. Vivek Kumar Singh**, during 15 - 23 December, 2013. A total of 110 participants from SAARC and other countries attended the workshop. Eighteen resource persons from academia and industry delivered keynotes and/or tutorials in the workshop, including noted figures in Computer Science like **Dr. Rakesh Agrawal** (Microsoft Technical Fellow), **Prof. Bing Liu** (Illinois, USA), **Prof. David Barber** (Oxford, U.K.), **Prof. Alexandar Gelbukh** (IPN. Mexico) etc. The event was perhaps one of the first of its kind in SAARC region and was financially supported by DST, Gov. of India and INSA along with several IT sector organizations such as Dell, Bosch etc. The workshop's website (with study material and videos) is available at: www.sau.ac.in/~mlta/

4. A special session on 'Machine learning and Test Analytics' was organized by **Dr. Vivek Kumar Singh** at 7th Multi-disciplinary workshop on Artificial Intelligence held on 9 - 11 December, 2013 at Krabi, Thailand.

5. The faculty members of the department served as reviewers to many reputed journals: IET Image processing, Applied Mathematics and Computation (Elsevier), Digital Signal Processing (Elsevier), Real Time Image Processing (Springer), Fuzzy Sets and Systems (Elsevier Science), Neurocomputing (Elsevier), Computer Methods and Programs in Biomedicine (Elsevier), Pattern Recognition Letters (Elsevier), Knowledge and Information Systems (Springer), International Journal of Systems Science (Taylor and Francis); and Data Mining and Knowledge Discovery (Springer).

6. In the last two years, we built five research labs focusing on major research areas of the department i.e. "Image Processing and Pattern Recognition", "Real Time Systems", "Hardware Modeling and Simulation", "Wireless Networks" and "Text Analytics and Intelligent Systems". These labs facilitate research work of M.Sc. and Ph.D. students of the department.

FACULTY OF SOCIAL SCIENCES

DEPARTMENT OF SOCIOLOGY

Dean's Remark

The Department of Sociology in the Faculty of Social Sciences is one of the two constituent departments in FSS. It started operations in 2011 and now has the services of nine faculty members from four countries in the South Asia region. After successfully handling its M.A. program since 2011, it initiated its M.Phil./Ph.D. program in 2013. In March 2013, the Department of Sociology organized a conference on the theme, Mapping Changes and Transformations in Educational Systems and Discourses: Issues, Possibilities and Strategies making it the first conference organized by the Faculty of Social Sciences as well as the university. The Department of Sociology has identified a number of courses among its M.A. and Ph.D. courses that can be offered as interdisciplinary courses to all SAU students with an interest from January 2014 onwards. The Department has also co-organised an on-going series of internal workshops and discussions with the Department of International Relations titled Conditions of Knowing in order to broadly debate the ideas of interdisciplinary among faculty members and Ph.D. students in the Faculty of Social Sciences. The Department of Sociology played the pioneering role in designing and implementing the 'Writing Clinic' for all students in SAU who need help in language matters. In 2013, as part of the outreach work of the FSS, the Department of Sociology invited Prof. Gananath Obeyesekere from Sri Lanka to deliver the first 'Contributions to Contemporary Knowledge' lecture and Prof. Romila Thapar to discuss issuing in dealing with the past as part of the 'Exploring South Asia Lecture Series.'

Degrees Offered & Student Break-up

Programme of Study	Male	Female	Total
M.A. Sociology (2012-14)	10	06	16
M.A. Sociology (2013-15)	12	14	26
M.Phil./Ph.D.(2013-2016)	01	01	02

Country-wise Break-up of Students: M.A. (2012-14)

Afghanistan	01	Maldives	Nil
Bangladesh	02	Nepal	03
Bhutan	01	Pakistan	Nil
India	08	Sri Lanka	01

Country-wise Break-up of Students: M.A. (2013-15)

Afghanistan	03	Maldives	Nil
Bangladesh	04	Nepal	01
Bhutan	01	Pakistan	02
India	14	Sri Lanka	01

Country-wise Break-up of Students: M.Phil./Ph.D (2013-16)

Afghanistan	Nil	Maldives	Nil
Bangladesh	Nil	Nepal	01
Bhutan	Nil	Pakistan	Nil
India	01	Sri Lanka	Nil

Courses Offered for M.A. Sociology

Semester I

Course Titles	Credits
Sociology of South Asia-I (Compulsory)	4
Social Stratification (Compulsory)	4
Anthropological Theories & Ethnographic Approaches (Compulsory)	4
Sociology Theory-I (Compulsory)	4

Semester II

Course Titles	Credits
Sociology of South Asia – II (Compulsory)	4
Anthropology: Theory and Ethnographic Approaches	4
Research Methodology-I	4
Sociological Theory-II	4

Semester III

Course Titles	Credits
Dissertation 1 (Compulsory)	4
Research Methodology-II (Compulsory)	4
Visual Arts and the Politics Social Transformation in South Asia (Optional)	4
Ethnicity and Nationalism (Optional)	4
Social Movements and Transformative Politics	4
Sound and Sight in South Asia (Optional)	4

Semester IV

Course Titles	Credits
Dissertation 2 (Compulsory)	4
Anthropology of Development in South Asia (Optional)	4
Intellectual regionalism in South Asia and Beyond (Optional)	4
Violence and Suffering (Optional)	4
Urban Anthropology (Optional)	4

Courses Offered for M.Phil./Ph.D.

Semester I

Course Titles	Credits
Advanced Social Theory (Compulsory)	4
Advanced Research Methods (Compulsory)	4

Semester II

Course Titles	Credits
Ideology, Social Science and the Theoretical Domain (Optional)	4
Photography and Method in Sociology and Social Anthropology (Optional)	4
Industry and Work (Optional)	4

FACULTY MEMBERS

Sasanka Perera
Professor & Chair and Dean - FSS
Ph.D.

Subject Area & Research Details:
Politics of Civil Society Organizations in Governance and Democratization; Issues and Problems of Urbanization; Dynamics of Education; Political Violence and Nationalism; Migration and Diaspora and Visual Arts

Ravi Kumar
Associate Professor
Ph.D.

Subject Area & Research Details: Political Economy of Identity Politics; Sociology of Sociology; Social Theory; Sociology of Knowledge; Social Movements

Farid Udin Ahamed
Associate Professor
Ph.D.

Subject Area & Research Details:
Community Dynamics and Livelihood, Ethnicity and Ethnic Mobilisation, Indigenous Land Rights and Resource Use, Globalization-driven Adaptation, Anthropology of Public Action and Non-governmentality, Material Culture and Waste Economy, Diaspora and Migration, Child Labour and Issues of Adolescents

Dev Nath Pathak
Assistant Professor
Ph.D.

Subject Area & Research Details: Folklore Studies and Oral and other forms of Popular Media; Methodology of Social Sciences for Qualitative Research; Sociology of Teachers' Education; Sociology of Gender; Disability Studies

Chudamani Basnet
Assistant Professor
Ph.D.

Subject Area & Research Details:
Historical Sociology, Political Sociology, Inequality and Culture

Diya Mehra
Assistant Professor
Ph.D.

Subject Area & Research Details:
Urban Anthropology; Anthropology and History; Politics, Governance and Development; the Anthropology of everyday life

Ankur Datta
Assistant Professor
Ph.D.

Subject Area & Research Details: Kashmir Studies; History and Memory; Forced Migration; Violence and Conflict; Social Anthropology and Ethnography

Mallika Shakya
Assistant Professor
Ph.D.

Subject Area & Research Details:
Anthropology of Work - Labour, Trader Groups and Industrial Clusters; Ethnicity and Social Movements; Borderlands; Regionalism and the Global South; Nepal, India, South Africa

Anuj Bhuwania
Assistant Professor
Ph.D.

Subject Area & Research Details: Legal Anthropology; Athropology of Media; Public Law; Post-colonial Indian Politics; Anthropology of Human Rights; Criminal Justice and Policing

ACCOMPLISHMENTS OF THE FACULTY MEMBERS

Research Papers

1. **Mehra, D.** (2013) Planning Delhi ca 1936-1959, special issue of South Asia Beyond the Colonial City. The Urban History of South Asia, 1920-1970, guest editors Nikhil Rao and Douglas Haynes, Vol. 36, No. 3, 354-374.

2. **Pathak, Dev N.** (2013) Cinematic Imagination of 'Multiple Gandhi, Gandhi Marg, Vol. 35, No. 2, 231-244.

3. **Pathak, Dev N.** (2013) 'Marxiological Notes on the Perforated Sheet of Marxism', The Book Review, Vol. XXXVII, No. 9, September 2013, 8-11.

Book Reviews

1. **Shakya, M.** (2013) Between Donors and Recipients: Looking at Development Donors in Nepal.'Economic and Political Weekly. Vol. XLVIII. No 2, 30-31.

Books Published

1. **Perera, S.** Ohe Liyu Kavi (Collection of Poetry in Sinhala). Yellow House Publications, Colombo, 2013, ISBN 978-955-1157-01-2.

Book Chapters by Faculty Members

1. **Shakya, M.** Nepali Economic History through the Ethnic Lens: Changing State Alliances with Business Elites,' Nationalism and Ethnic Conflict in Nepal: Identities and Mobilization after 1990, M. Lawoti and S. Hangen (Eds.), Routledge UK/US/Canada, 2013, ISBN 978-0-415-78097-1.

2. **Mehra, D.** Shelter, Enumeration and Homelessness: Historical and Contemporary Contexts for Delhi; In the Wake of Aadhaar: The Digital Ecosystem of Governance in India, Ashish Rajadhyaksha (Ed.) Bangalore: CSCS, 2013.

3. **Mehra, D.** Participatory Politics: Bhagidari, Resident Welfare Associations and the Political Process in Delhi, Participolis: Consent and Contestation in Urban Governance, Kamath, L, Coelho, K and Bhaskar, V (Eds.) Delhi: Routledge, City and the Urban Imperative Series, 2013, ISBN number 978-0-415-88193-4.

4. **Kumar, R.** 'El Capital a la Ofensiva' De la Nueva Miseria: La Universidad en Crisis y la Nueva Rebelion Estudiantil, Gonzalez, Joseba Fernandez, Crespo, Miguel Urban and Alonso Carlos Sevilla (Eds.), Madrid: AkaL, 2013, ISBN No. 978-84-460-3739-2.

5. **Pathak, Dev N.** Singing in the Veil: Redefinition and Reconciliation in the songs of Mithila', Colonial and Contemporary Bihar and Jharkhand, Bismoy Pati and Lata Singh (Eds.), Delhi: Primus Books, 2013, ISBN: 978-93-80607-92-4.

Conferences / Symposia Attended/ Papers Presented

1. **Shakya, M.** 'Representations of South Asia.'HIMAL Film South Asia Ninth Biennale. 3 - 6 October, 2013. Kathmandu, Nepal.

2. **Shakya, M.** 'Indians and South Asians in South Africa' (Panel - Globalization, Emerging Markets and Social Changes in the BRICS Countries).17th World Congress of the International Union of Anthropological and Ethnological Studies (IUAES): Evolving Humanity, Emerging Worlds. 5-10 August, 2013. Manchester, UK.

3. **Shakya, M.** Trade Unions in Nepal and South Africa: The Global Contexts of National Movements Resisting Nationalism (Panel - Capitalism and Global Anthropology: Marxism Resurgent). 17th World Congress of the International Union of Anthropological and Ethnological Studies (IUAES): Evolving Humanity, Emerging Worlds. 5 - 10 August, 2013. Manchester, UK.

4. **Shakya, M.** Informality in the Handling of Readymade Garment Cluster by Customs in Nepal, World Customs Organization / World Bank Conference on Informal Trade and Borders. 3 - 4 June, 2013. Brussels, Belgium.

5. **Shakya, M.** Development, Ethnopolitics and Trade Union Politics in Nepal: The Rise and Fall of Readymade Garment Industry as a Case Study. Martin Chautari, Tribhuvan University and Kyoto University Conference on Ruptures and Repairs in Nepal. 6-7 January, 2013. Kathmandu, Nepal.

6. **Perera, S.** Tales of Darker Places in Paradise: Towards Understanding and Theorizing Warzone Tourism in Sri Lanka,' Department of Sociology Seminar Series, Delhi School of Economics, University of Delhi, 1 November, 2013, Delhi.

7. **Perera, S.** Artists Remember, Artists Narrate, conference on War and Peace: Visual Narratives from Contemporary Sri Lanka, Lionel Wendt Gallery, co-sponsored by Nanyang Technological University and the American Institute of Sri Lankan Studies, 18, July, 2013, Colombo.

8. **Perera, S.** To Click or Not to Click: Preliminary Thoughts on Photography's Methodological Absence in Social Anthropology in South Asia, seminar on Knowing the Social World: Challenges and Responses, Indian Institute of Advanced Study 13 -15 March, 2013, Shimla.

9. **Perera, S.** Media in Sri Lanka:Research, Curriculum and the State Colonization of the Media Landscape, International conference on Contours of Media Governance: Teaching, Disciplinarity, Methodology, Centre for Culture, Media and Governance, Jamia Milia Islamia, 26 February, 2013, New Delhi.

10. **Datta, A.** Seeking 'normalcy' in Neo-Liberal times: notes from two Kashmiri Communities,' conference on Ethical Futures: Dialogues on State, Society and Ethical Existence, 15-17 May, 2013, ICES, Colombo, Sri Lanka.

11. **Datta, A.** Note on Theory, Conditions of Knowing, Interdisciplinary Workshop on Theory and Methodology, Faculty of Social Sciences, SA, 24, 28, 31 October, 2013. SAU, New Delhi.

12. **Basnet, C.** Ethnicity, Politics and Everyday Life in an Eastern Tarai Town, Sociology/Anthropology Society of Nepal Conference, 16 December, 2013, Kathmandu.

13. **Mehra, D.** What kind of Urban? A Case Study of Kullu, UIRF, TISS Mumbai and the French Institutes in India Workshop on Provincial Urbanization: Examining the Role OF Small and Medium Towns and Cities in India, 23-24 April, 2013, New Delhi.

14. **Kumar, R.** Class Struggle, Politics of Defiance and Transcending the Neoliberal Outrage, seminar on Neoliberal Policy Regime and the Common Man, A N Sinha Institute of Social Sciences and All Indian Progressive Forum, 20 January, 2013, Patna, Bihar.

15. **Kumar, R.** Keynote address titled Transforming Education, Transforming India But for whom is the Question: Tyranny of Capital and Higher Education in India, seminar on Emerging Policy Regime in Indian Higher Education, Department of Education, Panjabi University Regional Centre, 18 February, 2013, Bhatinda, Punjab.

16. **Kumar, R.** Lectures in the Interdisciplinary Refresher Course at the Centre for Professional Development in Higher Education, Delhi University on the theme (1) Private capital and education policy: Conjuncturality and debates; and (2) What do they teach under regime of private capital: issues of Democracy and authoritarianism, 4 March, 2013, Delhi.

17. **Kumar, R.** Neoliberal Predicaments in Indian Higher Education, seminar on Higher Education in the 21st Century: Challenges and Opportunities, National Institute of Advanced Studies, 4- 5 April, 2013, Bangalore.

18. **Kumar, R.** Education as a site of Labour-Capital Conflict: Reproducing Conditions of Production and the Possibilities of Subversion, seminar on Education for what and for whom? OKD Institute of Social Change and Development, 11 - 12, April, 2013, Guwahati.

19. **Kumar, R.** Lecture on Education for Transformation: Issues and challenges under Neoliberal Capitalism at the Refresher Course in Education on Emerging Dynamics in Teacher Education, Academic Staff College, Jamia Millia Islamia, 25 April, 2013, New Delhi.

20. **Kumar, R.** Keynote address on Perils of Neoliberalism in Education: Diminishing Democracy and Possibilities of Resistance at 3rd International Conference on Critical Education, 15 May, 2013, Ankara, Turkey.

21. **Kumar, R.** Lectures on Re-imagining the Educational Research: Asserting Centrality of Masses and Classes and Critical Pedagogy as a Methodological Possibilities at a Capacity Building Programme, Giri Institute of Development Studies for young faculty of college and universities, 24 October, 2013, Lucknow.

22. **Kumar, R.** Democracy as an End and Process: Looking at Struggles for Transformation in India, international conference on Democracies in South Asia and the Role of the Left organized by Institute of Development Studies, Kolkata and Rosa Luxemburg Stiftung, Germany, 20 November, 2013, Kolkata.

23. **Pathak, D.** Possibilities with Ethnography and Hermeneutics in contemporary Social Researches, A special lecture on Qualitative Research Methodology in Contemporary Times, Department of Anthropology, IGNOU, 21 March, 2013, Delhi.

24. **Pathak, D.** Theater and Civil Society in South Asia: Regional variations of micro-cultural politics, Brown International Advance Research Institutes (BIARI), Watson Institute of International Studies, Brown University, 7 June 2013, Providence, USA.

25. **Pathak, D.** Art of Dying: Folk Imagination in Maithili Folksongs, South Asia Forum, Program in Women's and Gender Studies, 22 June, 2013, MIT, Cambridge, USA.

Awards / Honours

1. **Shakya, M.**
Wolfson Research Fellowship
University of Oxford, UK (During 2010-2013)

Visits of Scholars to the Department of Sociology

1. The following scholars visited the department as part of the regular Sociology Seminar Series which is currently coordinated by Dr. Ankur Datta and Dr. Diya Mehra and Exploring South Asia Lecture Series coordinated by Dr. Dev Pathak and Contributions to Contemporary Knowledge Lecture Series co-organised by the Faculty of Social Sciences and the Department of Sociology.

2. Video records of most of these lectures and discussions are available via the Sociology Department's portal in YouTube: http://www.youtube.com/channel/UCg8l5ysLDYCWJuewod4gfdw?feature=watch

Date	Subject	Speaker's Name
23/01/2013	Panel Discussion: Rediscovering the Teacher: Unravelling Debates in Higher Education:	Prof. Avijit Pathak, CSSS, JNU; Dr. Santosh Kumar, Department of Sociology, Ambedkar University Delhi; Dr. Nabneepa Bhattacharjee, Venkateswara College, University of Delhi
24/01/2013	Universities in Crises: Reflections in Debates on Higher Education	Prof. Michael Burawoy, University of California, Berkeley
31/01/2013	Contributions to Contemporary Knowledge Lecture Series: The Coming of Brahmin Migrants: The Sudra Fate of an Indian Elite in Sri Lanka. Organised in association with FSS at Teen Murti	Prof. Gananath Obeyesekere from Sri Lanka, Professor of Anthropology Emeritus, Princeton University
31/01/2013	Doing Ethnography Today: An Interactive Workshop at SAU	Prof. Gananath Obeyesekere from Sri Lanka, Professor of Anthropology Emeritus, Princeton University
06/02/2013	British Imperialism, 1930-1989: Empire and its Aftermath	Prof. Susan Pennybacher, University of North Carolina
20/02/2013	Panel Discussion: Mass Media in South Asia: Flagging Questions, Mooting Answers	Prof. Steve McDowell, Communication Studies Program, Florida State University, Florida; Prof. Biswajit Das, Center for Culture, Media and Governance, JMI, Delhi; Dr. Babli Moitra Saraf, Indraprastha College, DU
06/03/2013	Reading Bourdieu Today: Understanding and Questions	Prof. Sheena Jain, Department of Sociology, Jamia Millia Islamia, Delhi
20/03/2013	Global Events and Local Narratives: 9/11 and Folk Artists of Bengal	Prof. Roma Chatterjee, Department of Sociology, Delhi School of Economics, University of Delhi
25/03/2013	Letters on Love: A Narrative of Colombo University Student's Love and Life	Dr. Mihirini Sirisena, National University of Ireland
03/04/2014	Panel Discussion: Feminist Explorations of Knowledge: Present and Future of Engendered Anthropology	Prof. Ravinder Kaur, IIT, Delhi; Prof. Rajni Palriwala, Department of Sociology, University of Delhi; Dr. Gitika Bapna, Research Scholar, University of Delhi; Dr. Mary E John, Centre for Women's Development Study, Delhi
08/04/2013	Drawinian Evolution and the Fate of Humanity	Prof. Rajiv Saxena, Department of Biotechnology, SAU
15/04/2013	Conversation between Science and Social Science	Prof. Shiv Visvanathan, Jindal Global University

Date	Subject	Speaker's Name
07/08/2013	Choreographic Occultation and Petrification of Meaning: Post-Colonial Law and Alternative Subject	Prof. Neshat Quaiser, Jamia Milia Islamia, New Delhi
14/08/2013	Is Caste Ethnicity and Why Does It Matter? On Heterophobic and Heterophilic Casteism and Anti-Casteism	Prof. Balmurli Natrajan, Associate Professor, William Paterson University of New Jersey, USA
22/08/2013	Exploring South Asia Series: Debating the Ancient and Present-An Interactive Workshop with Prof. Romila Thapar	Prof. Romila Thapar, Professor Emeritus of History, JNU in conversation with Prof. Rustom Bharucha Professor in Performance Studies, School of Arts and Aesthetics, JNU
26/08/2013	Exploring South Asia Series: Art and the Visual Public Sphere in Pakistan	Prof . Ifthikar Dadi, Dept. of Art, Cornell University, Ithaca, New York
02/09/2013	Exploring South Asia Series: The Maoist Crossroads: Postponing New Democracy or Sensing the Limits of Agency?	Prof. Chaitanya Mishra, Department of Sociology, Tribhuvan University, Kathmandu
11/09/2013	The Shimmering Landscape: Mobility and Rootedness in Adivasi India	Prof. Kaushik Ghosh, Assistant Professor of Anthropology, University of Texas at Austin
29/10/2013	NGOs in Academic Research: Towards an Adequate Description	Dr. Pratyoush Onta, Martin Chautari, Kathmandu
30/10/2013	What's love got to do with it? Filmic desire and call center stories	Dr. Mathangi Krishnamurthy Deptt: of Humanities and Social Sciences, IIT, Chennai
06/11/2013	Economic Transformation in Contemporary India: From Unemployed Youth to Broker to Legal Entrepreneur	Dr. Satendra Kumar, Assistant Professor, G.B. Pant Social Science Institute, University of Allahabad
13/11/2013	Bodies of Partition: On Widows, Residue and Other Historical Waste	Dr. Ravinder Kaur, University of Copenhagen

Fundings

Programme/ Research Project	Funding Agency	Amount	Faculty Incharge
Mapping Changes and Transformations in Educational Systems and Discourses: Issues, Possibilities and Strategies	Rosa Luxemburg Stiftung, Berlin	14,786 Euro	Ravi Kumar

Any Other Items

The Department of Sociology, SAU successfully organised the following extra-curricular activities during the year 2013:

1) Cinema and Society Series – 2013

Faculty Coordinator: Mallika Shakya

Cinema and Society is a young sociologists' discursive forum, under the aegis of the Department of Sociology, South Asian University initiated in 2011.The threefold objective and significance of this forum is to engage with popular cinematic texts and forms, provide students with an opportunity to discuss them as young social scientists, and interact with invited scholars on the matics of the selected film. In addition to the joy of engaging with the cultural manifestations of social, economic and political realities, this forum aims at cultivating intellectual faculty in students. The forum conducts weekly screening and discussion. A discussant for each screening is invited to watch and discuss the films.

Film and Theme	Date	Discussant	Student Coordinators
Film: The Gangs of Wasseypur – II; Theme: Economy and Society	13-08- 2013	Dr. Satendra Kumar, Department of Sociology, Delhi University	Umesh Joshi and Parveen Hussain
Film: The Godfather I; Theme: Economy and Society	10-09-2013	Dr. Mallika Shakya, Department of Sociology, SAU	Umesh Joshi, Parveen Hussain and Mondip Barua
The Corporation (documentary); Theme: Economy and Society	24 -09-2013	Kumud Bhanshali, Ph.D. student, Department of Sociology, SAU	Umesh Joshi, Parveen Hussain, Mondip Barua
The Other Boleyn Girl; Theme: Nationalism and Regionalism	15-10-2013	Dr. Mallika Shakya, Department of Sociology, SAU	Mondip Barua, Aatina Malik, Aditi Johri
Film: Elizabeth; Theme: Nationalism and Regionalism	30-10-2013	Dr. Dev Pathak, Department of Sociology, SAU	Mondip Barua, Aatina Malik, Saumya Saloni
My Mother's Village; Theme: South Asians Home and Abroad	01-11-2013	Aaron Burton, Director	
Ghare Baire; Theme: Nationalism and Regionalism	12-11-2013	Dr. Siddharth Mallavarapu, SAU	Mondip Barua, Aatina Malik, Aditi Johri

2) Rickshaw: The Students' Blog

Faculty Coordinator: Ankur Datta

In 2011, the Department of Sociology initiated a student-run blog as a creative space to express their personal troubles , fantasies and to engage in critical reflection on South Asian society and culture. The blog, named *Rickshaw*, express symbolic proximity with the idioms of South Asian thinking, with regional as well as inter-regional appeals. Though essentially a space for students, from the beginning it was also open to faculty members to express their opinions as well as to students from other faculties and departments. At present, the blog consists of numerous poems written in English, Hindi and Bengali as well as essays and opinions in English. It has a space for photography, departmental announcements, links to other sources of knowledge such as lectures by well-known sociologists and contemporary music from countries such as Pakistan. It also has links to interesting reports from South Asian mass media or reports from other parts of the world on issues of relevance to the region. The blog can be accessed via the following link: https://sausociology.wordpress.com/about-2/It is also linked to the website of SAU through the webpage of the Department of Sociology. The blog in association with the Department of Sociology also conducted a photography competition, which was open to all SAU students, and the prize distribution for the winner of the photography competition was conducted in November 2013.

3) Journal: Society and Culture in South Asia

Editor in Chief: Sasanka Perera

In 2012, the Department of Sociology initiated discussions with Sage India to publish its own journal, *Society and Culture in South Asia*. Edited by an editorial board consisting of members of the Department of Sociology and an international editorial advisory board, the journal is open to social sciences and humanities with a focus on South Asia. It is based on the model developed by the journal, *South Asia Journal for Culture* published in Colombo from 2009 to 2012. Having commenced planning and editing in latter part of 2013, the first issues are scheduled to be published in 2014.

4) Thinking Through Theory: Photography Exhibition by First year MA Students

Faculty Advisor: Dev Pathak

As an annual event and part of the course, Sociology Theory 2, first year MA students put together a photography exhibition in the university lobby incorporating selected written text to bring into focus pictorially the understandings of social theory they had mastered in the classroom.

5) Mapping Changes and Transformations in Educational Systems and Discourses: Issues, Possibilities and Strategies

Faculty coordinator: Ravi Kumar

A two day seminar was organised by Dr. Ravi Kumar from 21-22 March 2013, on behalf of the Department of Sociology at South Asian University, supported by Rosa Luxemburg Stiftung, Berlin. The seminar focussed on the challenges thrown up by the impact of neoliberalism in the arena of education. Ten papers on different issues such as the language question, education policy, ethnographies of neoliberal impact as well as the possibilities of using ideas of Mahatma Gandhi, Jyotiba Phule and B.R. Ambedkar as sources to resist neoliberalisation of education were presented. The seminar ended with a panel discussion where academics and activists debated the nature of crisis that education is faced with.

DEPARTMENT OF INTERNATIONAL RELATIONS

Dean's Remark

•The Department of International Relations in the Faculty of Social Sciences is one of the two constituent departments in FSS. It started operations in 2011, and now has the services of nine faculty members. After successfully handling its M.A. program since 2011, it initiated its M.Phil./Ph.D. program in 2013. On 23rd October 2013, the Department of International Relations successfully organised an international seminar on the Changing Scenario in Afghanistan: Implications for South Asia. The university-wide mandatory course, 'Introduction to South Asia' was designed and hosted by the Department of International Relations in its first phase of implementation in 2013. The Department also identified a number of courses among M.A. and Ph.D. courses with a view to offer them as interdisciplinary courses to all SAU students with an interest from January 2014 onwards. In collaboration with the Department of Sociology, the Department of International Relations co-organised an on-going series of internal workshops and discussions titled Conditions of Knowing in order to more broadly debate the ideas of interdisciplinary among faculty members and Ph.D. students in the Faculty of Social Sciences. Some of the Department highlights are:

•   International seminar on Changing Scenario in Afghanistan: Implications for South Asia, Department of International Relations, South Asian University, October 23, 2013, New Delhi.
•   Successful initiation of the Ph.D. Programme.
•   First university-wide course titled 'Introduction to South Asia' hosted by the Department of International Relations, SAU.

Degrees Offered & Student Break-up

Programme of Study	Male	Female	Total
M.A. International Relations (2012-14)	14	09	23
M.A. International Relations (2013-15)	16	7	23
Ph.D. International Relations	01	02	03

Country-wise Break-up of Students: M.A. International Relations (2013-15)

Afghanistan	01	Maldives	Nil
Bangladesh	03	Nepal	02
Bhutan	01	Pakistan	Nil
India	16	Sri Lanka	Nil

Country-wise Break-up of Students: M.A. International Relations (2012-14)

Afghanistan	02	Maldives	Nil
Bangladesh	05	Nepal	03
Bhutan	01	Pakistan	Nil
India	10	Sri Lanka	02

Country-wise Break-up of Students: Ph.D. International Relations

Afghanistan	01	Maldives	Nil
Bangladesh	Nil	Nepal	Nil
Bhutan	Nil	Pakistan	Nil
India	02	Sri Lanka	Nil

Courses Offered for M.A. International Relations

Semester I

Course Titles	Credits
Comparative Politics	4
History of International Relations	4
International Relations Theory	4
Political Theory	4

Semester II

Course Titles	Credits
Conflict Transformation and Peace building	4
International Relations of South Asia	4
Security Studies	4
The Global Economy	4

Semester III

Course Titles	Credits
International Organisations	4
Research Methods	4
Culture and World Politics (Optional)	4
Intellectual Traditions of the Arab World (Optional)	4
Regional Integration Process (Optional)	4

Semester IV

Course Titles	Credits
Cognition and World Politics	4
International Law	4
Islam in International Relations	4
The Politics of Knowing Your World	4
War in International Relations	4
Dissertation	8

Courses Offered for Ph.D. International Relations

Semester I

Course Titles	Credits
Advanced International Relations Theory	4
Great Powers in the International System (Optional)	4
International Politics of Non-State Actors (Optional)	4
Peace and Conflict Studies (Optional)	4

Semester II

Course Titles	Credits
Advanced Research Methods	4
Feminist International Relations (Optional)	4
Identity Politics (Optional)	4
The Politics of Culture (Optional)	4

FACULTY MEMBERS

Siddharth Mallavarapu
Associate Professor and Chairperson
Ph.D.

Subject Area & Research Details:
Disciplinary Histories and Pedagogies of IR in the Global South, Theories of International Relations, Comparative Politics, Global Governance, Cognition and Politics

Rajen G. Harshe
Visiting Professor
Ph.D.

Subject Area & Research Details:
Theories of International Relations, Globalisation and Development, Comparative and Area Studies with reference to Afro-Asian Countries and India's Foreign Policy

Jayashree Vivekanandan
Assistant Professor
Ph.D.

Subject Area & Research Details:
Critical Approaches to IR Theory; Indian Strategic Thought and Practice, Trans-boundary Resource Governance; Culture and World Politics

Dhananjay Tripathi
Assistant Professor
Ph.D.

Subject Area & Research Details:
European Union (EU Foreign Policy, EU South Asia Relations), Regional Integration Process, Political Economy, Security and Strategic Affairs (Focus on South Asia), Indian Foreign Policy

Soumita Basu
Assistant Professor
Ph.D.

Subject Area & Research Details:
Critical Security Studies, Feminist International Relations, The United Nations, Global Governance, UN Security Council Resolution 1325, Food Politics

Sanjeev Kumar H. M.
Assistant Professor
Ph.D.

Subject Area & Research Details:
Democratisation in South Asia, India Pakistan Relations, Identity of Muslims, Islamic Studies, Cinema Studies

Medha Bisht
Assistant Professor
Ph.D.

Subject Area & Research Details:
South Asian Politics, International Negotiations, Political and Strategic Thought, Society-State Interface, Strategic Dimensions of Non Traditional Security Issues (Water and Energy)

Nabarun Roy
Ph.D.
Assistant Professor

Subject Area & Research Details:
Theories of International Relations, War, Great Powers, Order, Indian Foreign Policy, Geopolitics of South Asia

Shweta Singh
Assistant Professor
Ph.D.

Subject Area & Research Details:
Conflict Transformation and Peace building: Theory and Praxis in South Asia, International Mediation and Mediation Success (Area Studies Focus: Northern Ireland, Sri Lanka and Kashmir) Armed Conflicts in South Asia, Peace Education

ACCOMPLISHMENTS OF THE FACULTY MEMBERS

Research Papers

1. **Basu, S**. (2013) Forum Essay 6: Emancipatory Potential in Feminist Security Studies. International Studies Perspectives. *doi:* 10.1111/insp.12043.

2. **Basu, S.** (2013) The United Nations, Women, and Gender in The International Studies Encyclopedia, Robert A. Denemark (Ed) Blackwell Publishing, Blackwell Reference Online.

3. **Bisht, M.** (2013) Bhutan and Climate Change: Identifying Strategic Implications, Contemporary South Asia, Vol 21, 398-412.

4. **Bisht, M.** and Rahut, D.B. (2013) Assessing Bhutan Elections: Some Facts, Some Assumptions, Economic and Political Weekly, XLVIII No. 39, 15-17.

5. **Kumar H.M., S**. (2013) Constructing the Nation's Enemy: Hindutva, Popular Culture and the Muslim 'other' in Bollywood Cinema. Third World Quarterly. 34 (3): 458-469.

6. **Kumar H.M., S.** (2013) Globalisation and the Predicaments of Shared Cultural Spaces: Neo-liberal Reforms and the status of Indian Muslims. The International Journal of Interdisciplinary Global Studies.7 (2): 1-12.

7. **Mallavarapu, S.** (2013) 'Hoffnung auf eine gerechtere Weltordnung' *Aus Politik und Zeitgeschichte*, 63. Jahrgang - 50-51/2013 - 2, 9-13.

8. **Roy, N.** (2013) Review of George J. Gilboy and Eric Heginbotham, Chinese and Indian Strategic Behavior: Growing Power and Alarm, International Affairs, (Vol.) 89:2.

9. **Tripathi, D.** (2013) EU-India Relations: Time to Develop a True Strategic Partnership. FPRC Journal, (Vol.) 13:1: 266-273.

10. **Tripathi, D.** (2013) Is Economic Growth the Required 'Catalyst' for South Asian Integration? United Nations University – Comparative Regional Integration Studies (UNU-CRIS), Working Papers, W-2013/12.

Books Published

1. **Bisht, M.** Water Sector in Pakistan: Policy, Politics, Management, IDSA Monograph Series No. 18, 2013, ISBN: 978-93-82169-17-8.

Book Chapters by Faculty Members

1. **Harshe, R.** 'Foreword' in Postcolonial Theory in the Global Age: Interdisciplinary Essays, Martin Kich and Om Prakash Dwivedi (Eds.), Macfarland and Company, 2013.ISBN: 978-0786475520.

2. Schmidt Brian C., **Roy N.** Rising Powers: A Realist Analysis in After Liberalism? The Future of Liberalism in International Relations, Rebekka Friedman, Kevork Oskanian and Ramon P. Pardo (Eds.), Palgrave Macmillan, 2013, ISBN:9781137303752.

Research Grants Obtained by Faculty Members

1. **Tripathi, D.** Changing Scenario in Afghanistan: Implications for South Asia, International Seminar supported by Konrad-Adenauer-Stiftung, 23 October, 2013.

2. **Vivekanandan, J**. Co-director of project on 'India's Regional Relations in a Transitioning World: Policies, Priorities and Practices' awarded by Indian Council of Social Sciences Research (2013-2015).

3. **Mallavarapu, S.** Peace Research Institute Frankfurt (PRIF), postdoctoral associate in an international research project titled 'The Post-Transatlantic Age: A Twenty-First Century Concert of Powers?' (2011-14).

Conferences / Symposia Attended/ Papers Presented

1. **Basu, S.** Role of Civil Society Actors in the Implementation of Resolution 1325 in India, Annual International Studies Convention on Re-imagining Global Orders: Perspectives from the South, 10 - 12 December, 2013, New Delhi.

2. **Basu, S.** Origins of SCR 1325, workshop on Gendered Impact of Security Policies and Legislations in India and Women's Response organized by Sanskriti and International Development Research Centre, 19 - 20 April, 2013, Bhubaneshwar.

3. **Basu, S.** Civil Society Participation in the Implementation of UNSCR 1325, round table discussion on Breaking the Silence on Violence Against Women: From Margins to the Centre – North East India to Delhi organized by Women in Governance (WinG), 30 August, 2013, New Delhi.

4. **Basu, S.** Women in Peacekeeping: South Asian Perspectives, panel on Powers, Struggles and Peace Politics in South Asia, ISA Annual Convention on The Politics of International Diffusion: Regional and Global Dimensions, 3 - 6 April, 2013, San Francisco (with Sonalini Sapra).

5. **Basu, S.** Emancipatory Potential in Feminist Security Studies, round table discussion on Decolonizing FTGS: Camps, Tokenism, Citing and Sighting in Feminist Security Studies, ISA Annual Convention on The Politics of International Diffusion: Regional and Global Dimensions, 3 - 6 April, 2013, San Francisco.

6. **Basu, S.** Round table in honour of 2013 FTGS Eminent Scholar: Marysia Zalewski, ISA Annual Convention on The Politics of International Diffusion: Regional and Global Dimensions, 3 - 6 April, 2013, San Francisco.

7. **Basu, S.** Emancipation, roundtable discussion on Keywords, Politics of Representation, and the Feminist Subject, ISA Annual Convention on The Politics of International Diffusion: Regional and Global Dimensions, 3 - 6 April, 2013, San Francisco.

8. **Bisht, M.** Revisiting Arthashastra, Back to Understanding IR, National Seminar on Developing Indigenous Concepts and Vocabulary: Kautilya's Arthashastra, Institute for Defense Studies and Analyses, New Delhi, 8 October, 2013.

9. **Bisht, M.** Bhutan's Evolving Geo-politics, Political Section, United States Embassy, 23 September, 2013, New Delhi.

10. **Bisht, M.** Interpretation of Concepts in Kautilya's Arthasastra, Paper Discussant, Institute for Defence Studies and Analyses, 8 October, 2013, New Delhi.

11. **Bisht, M.** Bhutan Elections 2013, Institute for Peace and Conflict Studies, 30 August, 2013, New Delhi.

12. **Bisht, M.** The concept of 'order' in Arthashastra, Annual International Studies Convention on Re-imagining Global Orders: Perspectives from the South, School of International Studies, Jawaharlal Nehru University, 10 - 12 December, 2013, New Delhi.

13. **Bisht, M.** Engaging civil society in South Asia, International Workshop, South Asia Water Governance Programme, 27 - 28 November, 2013, Kathmandu.

14. **Bisht, M.** Sharing Experiences: Regional Initiatives in GBM Region, International Workshop, International Union for Conservation of Nature (IUCN), 13 December, 2013, Thailand, Bangkok.

15. **Harshe, R.** Chaired a session on 'Role of Indian Universities and Academia in Capacity Building in Asia and Africa', 14 December, 2013 in an International seminar on India and Development Partnerships in Asia and Africa: Towards a New Paradigm organized by Symbiosis International University, Pune.

16. **Harshe, R.** Chaired a session on New Directions in Theorising International Relations in Annual International Studies Convention 2013 on Re-imagining Global Orders: Perspectives from the South, Organized by Jawaharlal Nehru University, New Delhi, 11 December, 2013

17. **Harshe, R.** Chaired a session on 'What is International Relations?' in Annual International Studies Convention 2013 on Re-imagining Global Orders: Perspectives from the South, organized by Jawaharlal Nehru University New Delhi , 11 December, 2013.

18. **Harshe, R.** Imagining India and Indian Universities, Presentation made at IGNOU, 3 September, 2013, New Delhi.

19. **Harshe, R.** Prospects of South Asian Regional Cooperation, Key Note Address at NALSAR, 5 April, 2013, Hyderabad.

20. **Harshe, R.** India's Foreign Policy After Reforms, Key Note Address at the Department of Political Science, 23 March, 2013,

21. **Harshe, R.** Railways of South and South East Asia, Transnational Cooperation and Trans-Asian Railway Network Conference organized by the Indian Railways, 18 March, 2013.

22. **Harshe, R.** Revisiting Indo-African Ties in the Twenty First Century, India and the Broader World Conference organized by Nehru Memorial Museum and Library, 6 February, 2013, New Delhi.

23. **Harshe, R.** Chaired a session in an international seminar on Indo-African Security Dialogue organized by the Institute for Defence Studies and Analyses (IDSA), 18 November, 2013, New Delhi.

24. **Harshe, R.** Academic Leadership, Key Note Speech, Transformation for Excellence Conference organized by Sakal Educon of Vice Chancellors and Directors of IITs and IIMs, 28 - 29 September, 2013, Istanbul.

25. **Harshe, R.** The Limits of Globalisation: The Primacy of the Nation State in World Politics, Special Lecture delivered at the at the Malviya Centre for Peace Studies, Banares Hindu University (BHU), as a part of the capacity building programme of the Indian Council of Social Science Research (ICSSR) for faculty, 25 October, 2013, Varanasi.

26. **Harshe, R.** Globalization and the Resilience of the Nation-States, Guest Lecture delivered on 18 September, 2013 at Amity Law School, Noida.

27. **Harshe, R.** Invited by National Chambers of Entrepreneurs, Kazakhstan to participate in a conference on The Place of Eurasian Economic Union in the context of World Integration Processes. Participated in discussions and presented a paper on "South Asian Regional Cooperation: Delineating Problems and Exploring Possibilities" in Astana, 22-23 November, 2013.

28. **Harshe, R.** Served in a committee constituted by the University Grants Commission (UGC) to examine joint research proposals submitted by scholars/scientists from institutions of higher education of India and U.K. Under Indo-U.K collaborative research programmes, November 2013.

29. **Kumar H.M., S.** Can Deterrence Theory Explain Conflicts in South Asia?, National Seminar on India's Foreign Policy in South Asia in the 21st Century, P. K. Roy Memorial College, Dhanbad, 4 - 5 March, 2013.

30. **Kumar H.M., S.** Cultural Homogeneity and the Intellectual Traditions of South Asia. National Seminar on Challenges to South Asian Region, Motilal Nehru College, Delhi University, New Delhi 19 - 20 March, 2013.

31. **Kumar H.M., S.** India's Perspective on Security in South Asia. Second Symposium on International Relations India's Foreign Policy in South Asia, Symbiosis Law School, Noida & Public Diplomacy Division, Ministry of External Affairs, Government of India, Noida, 23 March, 2013.

32. **Kumar H.M., S.** Islamists, the Muslim World and the Western Understanding of Terrorism: Has the Need for Hermeneutics in the Religion of Islam Become an Exigency?, Annual International Studies Convention 2013 on Re-imagining Global Orders: Perspectives from the Global South, Convention Centre, Jawaharlal Nehru University, New Delhi, 10 -12 December, 2013.

33. **Mallavarapu, S.** Convened a workshop on 'The Many Lives of Edward Said,' at the Annual International Studies Convention 2013 on Reimagining Global Orders: Perspectives from the Global South, Convention Centre, Jawaharlal Nehru University, 10 December, 2013.

34. **Mallavarapu, S.** Theorizing Marginality and the Case of IRT from the Global South, at the Annual International Studies Convention 2013 on Reimagining Global Orders: Perspectives from the Global South, Convention Centre, Jawaharlal Nehru University, 11 December, 2013.

35. **Mallavarapu, S.** Chaired a panel on 'Revisiting Core Concepts in International Relations' at the Annual International Studies Convention 2013 on Re-imagining Global Orders: Perspectives from the Global South, Convention Centre, Jawaharlal Nehru University, 12 December, 2013.

36. **Mallavarapu, S.** Speaker in Plenary Session 1 at the CNDP (Coalition for Nuclear Disarmament and Peace) conference on Abolishing Nuclear Weapons: Relevance for South Asia and the World held at the India International Centre, 8 November, 2013.

37. **Mallavarapu, S.** Invited panel participant together with Professor Gareth Evans, former Australian Foreign Minister and the President Emeritus of the International Crisis Group, for an event at St. Stephens College, 22 October, 2013.

38. **Mallavarapu, S.** Discussant on the occasion of Jan Aart Scholte's Managing Global Governance Public Lecture on 'Transcultural Constructions of Global Legitimacy' at the German Development Institute, 25 July, 2013, Bonn.

39. **Mallavarapu, S.** Perspectives on Global Governance from the South, Lecture at the Global Governance School, German Development Institute, Bonn, 29 July, 2013.

40. **Mallavarapu, S.** Colonialism and the Responsibility to Protect, Research Colloquium at the Kate Hamburger Kolleg/Centre for Global Cooperation, Duisburg, 9 July, 2013.

41. **Mallavarapu, S.** Academic Writings & Movements, as part of the Pandit Hriday Nath Kunzru Memorial Lectures 2013 organized by the School of International Studies, Jawaharlal Nehru University, 12 April, 2013.

42. **Mallavarapu, S.** Critical Pedagogies in World Politics: Structures, Spaces and Contexts for Learning, International Studies Association Annual Convention on The Politics of International Diffusion: Regional and Global Dimensions, San Francisco, 3-6 April, 2013.

43. **Mallavarapu, S.** Theorizing Democratization: Insights from Comparative Politics, in an international conference on The Arab World: March Towards Democracy and Its Implications organized by the School of International Relations and Politics, Mahatma Gandhi University in cooperation with the Ministry of External Affairs, Government of India, Indian Council of World Affairs and the Kerala State Higher Education Council, Kottayam, 4-5 February, 2013.

44. **Mallavarapu, S.** Disciplinary Histories of International Relations: Interpreting Indian IR Conversations, talk at the Nehru Memorial Museum & Library, New Delhi, 15 January, 2013.

45. **Singh, S.** Post-War Sri Lanka and UN Resolution 1325: A Gendered Enquiry on Reconstruction, Reconciliation and Democratization in Northern Province, Annual International Studies Convention on Re-imagining Global Orders: Perspectives from the South, 10-12 December, 2013, New Delhi.

46. **Singh, S.** Sri Lanka's Northern Provincial Council election" Channel News Asia, 21 September 2013, Singapore.

47. **Singh, S.** Inter-religious understanding and Peace building: Dialogical Spaces for Research, at the workshop on Inter-religious Understanding and Peace building, Universitas Kristen Duta Wacana (UKDW), 1-5 July, 2013, Yogyakarta.

48. **Singh, S.** Peace Education: Critical Challenges at the Regional Steering Group Meeting of GPPAC South Asia organized by Regional Centre for Strategic Studies (RCSS) in collaboration with Global Partnership for the Prevention of Armed Conflict (GPPAC), 20-22 May, 2013, Trincomalee.

49. **Singh, S.** You Propose, We Decide: Role of Contextual Facilitators vs. Inhibitors as Determinants of Mediation Success and Negotiated Peace", ISA Annual Convention on The Politics of International Diffusion: Regional and Global Dimensions, 3-6 April, 2013, San Francisco.

50. **Singh, S.** Response to Insurgency in the North East" organized by Rajiv Gandhi Institute for Contemporary Studies (RGICS), 1 March, 2013, New Delhi.

51. **Singh, S.** Pedagogy for Peace: The Flight of the Dove- Building Culture of Peace in the Classroom, Interdisciplinary Research Project Seminar Series, University of Delhi, Lady Shri Ram College, 5 January, 2013, New Delhi.

52. **Roy, N.** Nehru's Foreign Policy: The Need to Move beyond a Balance of Power-Centric Lens. Annual International Studies Convention on Re-imagining Global Orders: Perspectives from the South, New Delhi, 10-12 December, 2013.

53. **Roy, N.** Schmidt, Brian C. Strategic Adjustment and the 21st Century US-India Relationship, ISA Annual Convention on The Politics of International Diffusion: Regional and Global Dimensions, San Francisco , 3-6 April, 2013

54. **Roy, N.** Assessing the Role of Power in Jawaharlal Nehru's Foreign Policy. Guest lecture delivered at Amity Law School, Amity University, Noida, 23 October, 2013.

55. **Tripathi, D.** Different Region; Different Meanings: Examining Social Construct of Borders and its Influence on Border Studies. Border Code organised by University of Eastern Finland, Joensuu, 6-8 November, 2013.

56. **Tripathi, D.** International Military Interventions in Regions: Case Study of Kosovo and Afghanistan. International seminar on Changing Scenario in Afghanistan: Implications for South Asia, Organised by Department of International Relations of South Asian University and Konrad-Adenauer-Stiftung, New Delhi, 23 October, 2013.

57. **Tripathi, D.** The Mismatch Between Economic Growth and Development: Can Regional Integration is a Solution for South Asia?, Cooperation, Integration and Alliances: Regional and Global Perspective, Challenges and Solution, jointly organised by ISA- CISS & UNU- CRIS, Bruges- Belgium, 19-21 June, 2013.

58. **Tripathi, D.** Emerging Opportunities and Impending Issues: Discussing Dichotomies of South Asian Integration. Conference on Changing Scenario in South Asia: Leveraging Economic Growth for Collective Prosperity, organised by Centre for Research in Rural and Industrial Development, Chandigarh, 30-31 March, 2013.

59. **Tripathi, D.** Prevailing Discrepancies between Economic Growth and Development: Big Challenge for Indian Democracy. Democracy in India: Strengthens and Weaknesses organised by Centre for Culture and Development, Vadodara, 15-16 March, 2013.

60. **Vivekanandan, J.** The Text as Tradition: Interpreting India's Strategic History, National Seminar on Developing Indigenous Concepts and Vocabulary: Kautilya's Arthashastra, organised by Institute for Defence Studies and Analyses and supported by the Indian Council of Social Science Research, 8 October, 2013, New Delhi.

61. **Vivekanandan, J.** Civilisation Drove Forward in a Mortuary Cart: Reading Colonial Constructions of Indian Culture', Annual International Studies Convention on Re-imagining Global Orders: Perspectives from the South, 10-12 December, 2013, New Delhi.

62. **Vivekanandan, J.** Panelist, Workshop on What is International Relations?, Annual International Studies Convention on Re-imagining Global Orders: Perspectives from the South, 10-12 December, 2013, New Delhi.

63. **Vivekanandan, J.** Panelist, Workshop on Teaching of Global History from Southern Perspectives, Annual International Studies Convention on Re-imagining Global Orders: Perspectives from the South, 10-12 December, 2013, New Delhi.

Awards / Honours

1. **Singh S.,** The Mahbub-ul-Haq Award 2013, Regional Centre for Strategic Studies, Colombo, Sri Lanka.

2. **Mallavarapu, S.** Senior Fellowship at the Kate Hamburger Kolleg, Centre for Global Cooperation in Germany for the period June- August 2013.

Accomplishments of the Students

1. **Vaishali Raghuvanshi**, doctoral candidate, presented a paper on 'The Reconfiguration of the Algebra of Global Order-Factoring in the Non-State Actors in Water Security in South Asia' at the Annual International Studies Convention on Re-imagining Global Orders: Perspectives from the South, December 10-12, 2013, New Delhi.

2. **Omar Sadr**, doctoral candidate, presented a paper on 'The US Presence in Afghanistan and Regional Stability' at the International seminar on Changing Scenario in Afghanistan: Implications for South Asia, South Asian University, 23 October, 2013, New Delhi.

3. Some of our students are regular contributors to newspapers, a case in point being **Md. Shariful Islam** of the 3rd semester of the M.A. program in the Department.

4. Some of our students have been selected for internships and have gained exposure to relevant organizations during the course of their study at SAU. **Chaiyanika Saxena** interned at the UN Women Multi-Country Office in New Delhi (responsible for overseeing the conduct of tasks that are a part of the UN WOMEN mandate in India, Bhutan, Sri Lanka and Maldives) from May to July 2013 while **Shivani Vaishnava** was selected for an internship at the SAARC Cultural Centre in Colombo and was attached to its Research Unit from June to July 2013.

Any Other Items

1. **Basu, S.** Elected Vice-Chair/Programme Chair (2013-2014) and Section Chair (2014-2015) of the Women's Caucus of the International Studies Association.

2. **Harshe**, **R.** Chairman, Standing Advisory Committee, Area Studies Programme, University Grants Commission, December 5, 2013.

3. **Harshe**, **R.** Nominee of the Government of India in the search committee to choose Vice Chairman of the UGC, 2013.

4. **Harshe**, **R.** Nominee of the UGC Chairman in search committee to select panel to choose Vice Chancellor in Ambedkar University, Srikakulam, 2013.

5. **Harshe**, **R.** Nominee of the Chairman UGC on search committee to choose Vice Chancellor for Bastar University, Bastar, 2013.

6. **Harshe**, **R.** Member of the University Grants Commission(UGC) Standing Committee on formulating rules and guidelines to run Academic Staff Colleges, March, 2013.

7. **Harshe**, **R.** Member of the committee constituted by the UGC to look after Indo-U.S. India Connect programme, 2013.

8. **Harshe**, **R.** Nominated by the Governor of Uttar Pradesh as a member of the Executive Council of Chaudhury Charan Singh University, Meerut, Uttar Pradesh, 2013.

9. **Harshe**, **R.** Member of a Committee to examine proposals on India and South East Asia as a part of East Asian Cooperation Initiative promoted by the Govt. of India through the University Grants Commission, 2013.

10. **Harshe**, **R.** Nominee of the Vice Chancellor of Jawaharlal Nehru University on the Academic Council of the Indian Military Academy, Dehradun, 2013.

11. **Harshe**, **R.** Participated as a member of the panel on International Relations (IR) to assess critically the survey conducted by the Indian Council of Social Science Research on the scholarly writings in IR from 2003-2009, 2013.

12. **Kumar H.M., S.** Completed the third spell of UGC IUC Research Associateship at the Indian Institute of Advanced Study, Rashtrapati Niwas, Shimla, 2013.

13. **Kumar H.M., S.** Co-Coordinator of the University Flagship course on 'Introduction to South Asia', 2013.

14. **Roy**, **N.** Co-Coordinator of the University Flagship course on 'Introduction to South Asia, 2013.

15. **Mallavarapu, S.** Participant in a development and disarmament round table on 'Nuclear Detonations: Contemplating Catastrophe' published online by The Bulletin of Atomic Scientists, Chicago. Accessible at http://thebulletin.org/bio/siddharth-mallavarapu

16. **Mallavarapu, S.** Contribution on BRICS and the Gobal South to APuZ. 'Hoffnung auf eine gerechtere Weltordnung' Aus Politik und Zeitgeschichte, 63. Jahrgang, 50–51/2013, 2. December 2013.

Visits of Scholars to the Department / Faculty

Date	Subject	Speaker's Name
September 4, 2013	Women and Politics in South Asia	Dr. Kamla Bhasin, Advisor, Sangat, New Delhi
September 11, 2013	Regions and Regionalism in International Relations	Professor Varun Sahni, Chairperson, Centre for International Politics, Organization and Disarmament, School of International Studies, Jawaharlal Nehru University, New Delhi
September 25, 2013	International Relations of the Indian Ocean Region	Dr. Vijay Sakhuja, Director – Research, Indian Council of World Affairs, New Delhi
October 17, 2013	Doing Political Philosophy in South Asia	Professor Valerian Rodrigues, Professor, Centre for Political Studies, School of Social Sciences, Jawaharlal Nehru University, New Delhi
October 30, 2013	Democracy in Muslim Society	Professor Zoya Hassan, Department of Political Sciences, Jawaharlal Nehru University, New Delhi
November 7, 2013	Tales of Darker Places in Paradise: Towards Understanding and Theorizing Warzone Tourism in Sri Lanka	Professor Sasanka Perera, Dean – Faculty of Social Sciences, South Asian University, New Delhi
November 13, 2013	Islam in South Asia	Professor S Inayet Ali Zaidi, Department of History and Culture, Jamia Milia Islamia University, New Delhi
November 20, 2013	Empire, Hegemony and Leadeship: Developing a Research Framework for the Study of Regional Powers	Dr. Sandra Destardi, Research Fellow, German Institute of Global Affairs, Hamburg, and Visiting Fellow, Institute for Defence Studies and Analyses, New Delhi

3D Projection of the proposed campus in Maidan Garhi

Construction of SAU Campus at Maidan Garhi

The SAU has been physically handed over 93.68 acres land at Maidan Garhi for construction of the University's campus. Out of this land 10.58 acres are under the High Court Stay Order due to some litigation cases.

The Master Layout Plan of the campus has been prepared and almost all statutory approvals/ clearances have been obtained except the final approval by the municipality.

The Architects and the Project Management consultants of the project duly appointed by the University are on the job of preparing detailed planning, designing, detailing and other measures to obtain the approvals of the statutory authorities like Delhi Urban Arts Commission (DUAC), Delhi Fire service, South Delhi Municipal corporation for individual buildings/services.

The Building & Works Committee (BWC) of the University which is a high powered body of technical professionals and administrators meets periodically to lay down policies, review the project activities and monitor progress. Frequent periodical meetings are held between the SAU, Architects & PMC with the association of nominated members of the BWC to take decisions on day to day issues.

The BWC has since finalised the Strategy for execution of the total project activities divided into three packages. The Tender for invitation of bids for the 1st package, namely for boundary wall, gates, security hut, internal roads & civil works for external services termed as "Mandatory Package" is being issued shortly. The estimated cost of this package is Rs 27.69 crores. The preparation of designs, drawings & details of other two package works are under process. The tenders for these packages will be issued after the revised/ project cost is approved by the Govt, which is under process. The estimated project cost is approximately Rs 2100 crores. The expected time of completion of the campus in all respects is 48 months from the date of start of the second package works for construction of various buildings.

The University campus will be environment friendly and adopt energy conservation measures to achieve Green Building Certification of GRIHA-LD Rating 5 star.

South Asian University