

BSDU NEWSLETTER

Issue No. 4
July – Dec. 2019



School
of
General
Education

Remembering...

Dr. Rajendra Kumar Joshi

The visionary behind BSDU....

Homage to our beloved Chairperson- “Dr. Rajendra Kumar Joshi”



13 September 1934 - 1 October 2019

We at Bhartiya Skill Development University, Jaipur, bid a tearful adieu to our mentor and Chairman, Dr Rajendra Kumar Joshi. He was a great role model and a legend who worked every single day of his life for the betterment of the country and the youth at large. Passing away of Dr Joshi is a huge loss to our country. He was a tall leader ever willing to help others and will always be remembered for his service to the people. He was no doubt, a source of inspiration to many who came in contact with him. May God give him eternal rest and the family the strength to bear the irreparable loss.

Dr. Joshi was an iconic scientist, exceptionally well known in Western countries, he had deep love towards his motherland which brought him back to Rajasthan where he invested heavily by establishing Bhartiya Skill Development University, Jaipur including various other business concerns.

He was the recipient of many awards and accolades. To name a few, Swiss Friendship Ambassador – (Vocational Education Training) by Swiss Ambassador, Andreas Baum; Federal Councillor, Ignazio Cassis and Mrs Ruchi Ghanshyam, Ministry of External affairs of Swiss Embassy, New Delhi on the 10th of August 2018 and Pravasi Bhartiya Samman Award by the President of India for his “outstanding achievement in the field of science and in recognition of his valuable contribution in promoting the honour and prestige of India”.

We pay homage to our beloved Chairperson by dedicating him this edition of Newsletter of BSDU and vow to strive towards making his dream of Skill India a beautiful reality.

Editor's Desk

We dedicate this issue of the Newsletter to the memory of our beloved Chairperson Dr Rajendra Kumar Joshi who passed away on October 01, 2019. Dr Joshi hailed from the small town of Dundlod (Jhunjhunu) in Rajasthan. He studied pharmacy at BITS, Pilani and completed his Ph.D. degree from the University of Komensky, Bratislava, Slovakia. He gained international fame and recognition with his development of path-breaking drugs for the treatment of disease like multiple sclerosis and psoriasis. He had contributed to make the world a better place through his therapeutics and charitable activities. He was firmly convinced that key to a good life is good education.

He had a great desire to contribute to the development of Indian and that is why he decided to start a Skill Development University. He introduced the Swiss Dual System of Education, which meant learning theory in vocational school, and practical training on-the-job in the industry.

In the past few years, this University i.e. Bhartiya Skill Development University has made immense strides in providing skill based education to the youth of this country. We at B.S.D.U take great pride in being a part of this unique institution. Our thoughts are with the bereaved family and we pray God to give eternal peace to the great soul. Let us all endeavour to fulfil the glorious vision of our founder Dr Rajendra Kumar Joshi.



Dr. Surat Singh
Principal,
School of General Education

My experiences with Dr Rajendra Kumar Joshi

Brig (Dr) Surjit Pabla, Pro-Chancellor BSDU

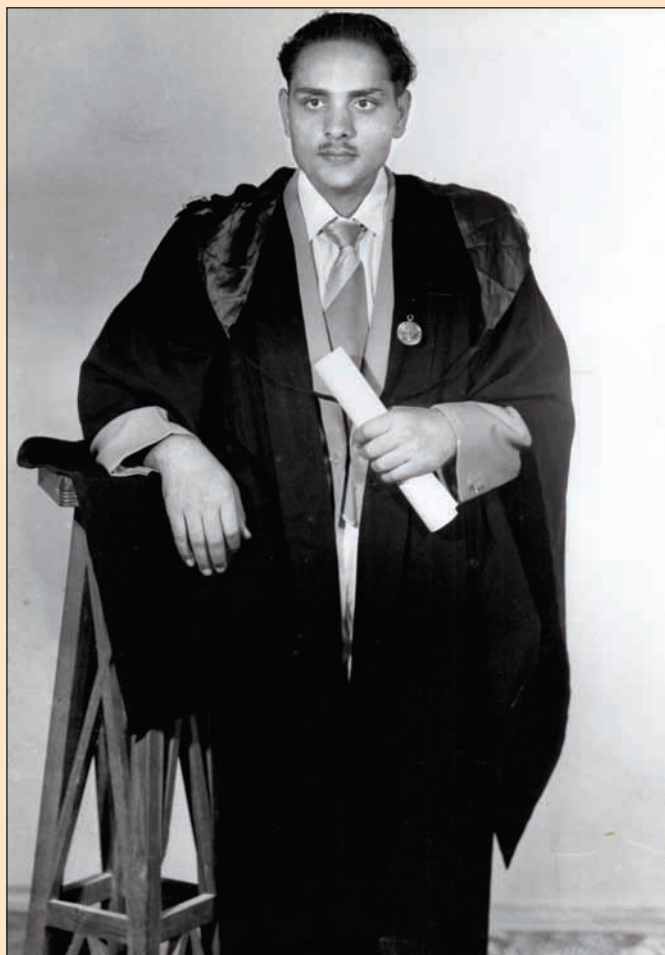


It was in Sept 2014, when I was Vice Chancellor of Mangalayatan University Aligarh, that I got a call from Switzerland. The call was from a person not known to me, Dr Rajendra Kumar Joshi an NRI living in Switzerland. He introduced himself to me, briefed me about the Swiss Dual System of Skills Training and told me that he was keen to bring this system to India to give the Indian youth skills training based on the Swiss Dual System since it is the best skills training system in the World. He said that he had been trying to do this for past ten years and has not been very successful due to the not so positive attitude of the Govt. agencies and the Indian Industry. He finally said, "I have been told that you are one person who can help me in establishing a Skills Training Campus in India. I request you to join us at Jaipur where we are trying to establish a skill training campus called Bhartiya Skill Development Campus".

Since I had joined Mangalayatan University, Aligarh only a few months earlier and was committed for a minimum tenure of two years, I told Dr Joshi that I was keen to get into skill development, but I would be not available before March 2016. He was initially not prepared to wait for such a long time but finally decided to wait, provided I place someone to supervise the construction work on the Campus till I join in March 2016. Col Ravi Gosain joined as Vice President BSDC and looked after the campus construction, installation of machines and recruitment & training of trainers. I joined as President BSDC in March 2016.

About Dr. and Mrs. JOSHI

Since I was keen to know more about this benevolent personality, I went into his life a little more in detail. Rajendra Kumar Joshi was born on 13 September 1934 in Dundlod, Sikar district, Rajasthan and later moved to Sadulpur with his parents Vaidya Mahaveer Prasad Joshi and Mrs. Javitri Devi Joshi where he did his schooling.



Dr. Joshi at his convocation

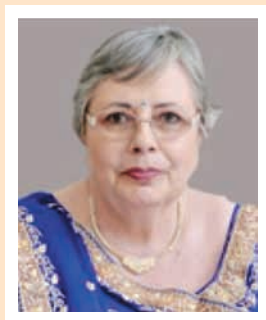
After doing his pharmacy degree at BITS Pilani, India with a gold medal in 1958 and completing his PhD degree in 1968 from University of Komensky Bratislava, Slovakia, he was invited at The Federal Institute of Switzerland as Research Associate and later as Professor (dozent) teaching medicinal chemistry and structure activity relationship to the pharmacy students. He guided a good number of Ph.D students resulting in development of a parameter which could calculate the biological activity with molecular energy of a

chemical structure.

Dr. R.K. Joshi lived in Switzerland, holding a Swiss passport and a PIO card issued by Government of India. He was founder and partner of Fumapharm AG Switzerland, a pharmaceutical company which was sold in 2006 to Biogen Idec. At Fumapharm he developed number of products against several diseases like Fumaderm against psoriasis, being sold in Germany. He is mainly credited for the invention of Tecfidera (BG 12), a medicine against multiple sclerosis (MS), which is a neurological disease that can appear in young people (30-45 years of age) where the ability of parts of nervous system to communicate gets disrupted resulting in overwhelming fatigue, visual disturbances, altered sensation and difficulties with mobility. There are a few treatments for this disease but majority of them are injectable whereas Tecfidera being dosed by oral application has proven to be an extremely effective drug. Tecfidera is sold globally by Biogen Idec and is considered to be a blockbuster product. In 2015 Tecfidera was declared “the most innovative product” and hence awarded the Golden Tablet by Neurologist and Psychiatric Association, announced on 28th September 2015. Tecfidera was also declared a golden standard by FDA in USA. Considering the success of Tecfidera, Dr. Joshi believed it might even lead to a full cure of MS patients. The reason that Tecfidera is so effective is that it has nerve protective effect which is completely different from other medicine's mechanism and time will show that it might even cure the disease according to Dr. Joshi's hypothesis.

Dr. Joshi married Mrs. Ursula Joshi, a pharmacist from ETH, Zurich who was running her own pharmacy, in 1989. She sold this pharmacy in 2006. Throughout their lives they both were always thinking and searching the reasons that why the Swiss, German and Austrian economies were so sound that even a huge crisis like World War II could not unsettle these huge economies. The reason was that the skilled working force of all these countries was over 92% including academicians, which is totally different than other European countries and rest of the world. The system of apprenticeship

education prevailing in these three countries was totally different from the rest of the world and is called the “Swiss Dual System”. The “Dual” here means learning theory in vocational school and practical training on job in industry. Switzerland was the leader in skill education for over 900 years. In 1933, the dual system was recognised by the Swiss government and it passed number of supporting regulations. This vocational system was introduced all over Switzerland teaching 247 professions. In 1960s, the German Government also recognized this dual system of apprenticeship training.



Dr Rajendra K Joshi Mrs Ursula Joshi

**About JCF Founded by
Dr. R K Joshi and Mrs. Ursula Joshi**

With long experience in Education, Research and Industry, Dr RK Joshi and Mrs. Ursula Joshi having studied the Swiss Dual System of Skills Training and Education; and having found it to be the reason why the Swiss, German and Austrian economies were so sound decided to bring this wonderful system of skill development to India, Dr. Joshi and Mrs. Ursula Joshi formed the 'Rajendra and Ursula Joshi Foundation' (JCF) in 2006 in Wilen, Switzerland and started working in this direction. JCF is now the knowledge partner for BSDU.

**BHARTIYA SKILL DEVELOPMENT
CAMPUS (BSDC)**

Since 2006 they had been trying to convince the industry and the government to support this system, but with limited success. Therefore, they decided to themselves set up a state-of-the-art institute in Jaipur to showcase the benefits of the dual system of education.



They established their first project of polymechanic training in their setup called the Bhartiya Skill Development Centre (BSDC) with an investment of over Rs. 150 crores via a collaboration of Rajendra and Ursula Joshi Skill Development Private Limited (RUJ-SDPL) and JCF. The quality and precision of Swiss working is known to all, therefore, training in BSDC was led by a Swiss team and supported by an Indian team of trainers. BSDC was a unique proposition in the skill development story of India. After polymechanic, BSDC was to expand to introduce further professions in skill development like electricians (electrical installations), medical assistants, administration assistants, bricklayer and related professions like carpentry etc. Since dual system of apprenticeship education involves practical training in the industry and to make Jaipur as a model centre of dual system, Dr. Joshi and his wife in addition to this institute also got into manufacturing of precision items, surgical instruments, cutlery etc. These companies will be taking number of apprentices (12th pass) for practical training to fulfil the dual system part of the industry and the theory will be taught to them in BSDC. Apart from that, these manufacturing companies will be absorbing the diploma holders passing out of BSDC. Hence BSDC in Jaipur was established to be a perfect model of the Swiss Dual System to convince other industries and government to adopt this valuable system.

The BSDC was in existence only for a year before it got converted into a university due to the excellent training facilities demonstrated to the then Chief Minister of Rajasthan during the inauguration of the Campus.

BHARTIYA SKILL DEVELOPMENT UNIVERSITY (BSDU)



The BSDC Campus was inaugurated by MsVasundharaRaje, the then Chief Minister of Rajasthan, on 23rd of April 2016 and that was a turning point in the short life of BSDC because we signed a Memorandum of Understanding (MoU) with the Govt. of Rajasthan in the presence of the Honourable Chief Minister the same day for establishment of a Joint Venture Skill Development University at Jaipur. We immediately started working on the establishment of the University (BSDU). I had only Col Ravi Gosain, Vice President BSDC, to help me in the enormous work to be done for incorporation and establishment of a new university of the kind that did not exist in the country.

A 'not-for-profit' charitable trust, the Rajendra and Ursula Joshi Charitable Trust (RUJCT), with Mr Jayant Joshi, MrJalaj Joshi and MrNayan Joshi as Directors, was created and registered at Sub-Registrar Jaipur for sponsoring the University. The University was accordingly established vide BSDU Ordinance No. 4 of 2016 on 29 Dec 2016 which was later passed as an Act

(BSDU Act No.3 of 2017 on 7th March 2017). BSDU was included in the list of Universities maintained by the UGC on its website - www.ugc.ac.in as per letter No. F.8-14/2017(CPP-I/PU) dated 4th August 2017. The University is sponsored by RUJCT and is financially supported by Dr. R.K. Joshi, who told us that we do not have to go to any bank for loans and that he was they only bank for BSDU and will finance all its needs.



BSDU Ladies with Dr. and Mrs. Joshi



Happy Day at BSDU

THE CHRONOLOGY OF ESTABLISHMENT OF BSDU WAS AS FOLLOWS



- ❖ MOU signed between Govt of Rajasthan and BSDC for establishment of BSDU on 23 Apr 2016
- ❖ Additional 30 Acres Land Purchased in Sept 2016
- ❖ RUJCT registered on 11 May 2016
- ❖ Application submitted to GOR for establishment of BSDU on 16 June 2016
- ❖ Ordinance establishing BSDU issued by GOR on 29 Dec 2016
- ❖ Architect Firm Selected and Appointed in Jan 2017
- ❖ BSDU Bill Passed in Rajasthan Assembly on 07 March 2017
- ❖ Bhumi Poojanat New Campus on 01 March 2017
- ❖ Construction of Boundary Wall started on 01 March 2017
- ❖ Meetings of BoS on 23 Jan/4 March 2017
- ❖ BSDU included in the UGC list of universities on 4th Aug 2017
- ❖ Issue of Tenders for University Buildings Phase-I 30 March 2017
- ❖ Contract awarded on 12 Jun 2017 and construction started 17 Aug 2017
- ❖ Four Schools shifted to new Campus in Jan 2020.
- ❖ UGC Team visited and inspected the University on 31 Jan – 1 Feb 2020.



BSDU - Dr Joshi's Dream Project

Today's competitive world demands trained, certified & skilled manpower to address the challenges of growth. India has one of the youngest populations in the world and it has potential to meet the skill needs of other countries in addition to its own demand for skilled manpower. India needs skills universities to train its large manpower resource to exploit its so called Demographic Dividend. BSDU seeks to provide quality skill training and education as a key to socio-economic development in India, especially in the emerging areas of vocational training and bridges the gap between skill training & industry requirements.

BSDU, in Dr Joshi's words, is just the beginning. There will be many more skills universities coming up in India and abroad based on the BSDU Model.

BSDU has been in existence for three years now. Over these three years, Dr and Mrs Joshi have attended most of the Board of Management meetings and a number of Board of Studies meetings.

Their clear vision about the University has helped us steer the University in the right direction. As a result, the University is making a rapid march towards excellence. This is reflected in BSDU being conferred the following awards:

- ❑ **Best Emerging Skill Development University Award** by Employers' Association of Rajasthan on 24th November 2017
- ❑ **Best Industry-Academia Interface Award 2017** by EdTech Review on 15th February 2018
- ❑ **Global Intellect Award – 2018 for Best Research and Innovation University of Southern Asia 2018** by Asian Society for Scientific Research (ASSR) on 7th April 2018
- ❑ **Internationalisation India's Education 2018 Award** by ReTHINK INDIA Foundation on 11th May 2018
- ❑ **Best University for Skill Development for Excellence in Education Award** by Indian



Best Emerging Skill Development Award by Employers Association of Rajasthan on 24th Nov 2017



Most Promising Global University By Global India Education Forum Awards for Excellence in Education on 13th Sept 2018



Best University for Skill Development by ASSOCHAM INDIA on 1st Nov 2018

- ❑ **Education Network in 6th Skill Development Summit** on 18th July 2018

- ❑ **Preferred University for Skill Development** by ELETS Technomedia 12th World Education Summit on 10th August 2018
- ❑ **Awarded GEM certificate and Award by ASSOCHAM under GEM Sustainability Certificate Program with PRE-CERTIFICATION GEM 4 level** of Pre-certification on 29th August 2018
- ❑ **India Leadership Award 2018 for being India's Best Vocational Training University** by Blindwink Solutions Private Limited is a leading global, insight-driven market research company on 7th October 2018 at Hotel Taj, Bengaluru
- ❑ **Most Promising Global University** by Global India Education Forum Awards for Excellence in Education in the Awards Ceremony was held on 13 September 2018 at Geneva, Switzerland.
- ❑ **Best University for Skill Development** by ASSOCHAM India on 01 November 2018.
- ❑ **Outstanding University in Skill Development** by ELETS and DL during 13th World Education Summit at Bombay on 8th Dec 2018.
- ❑ **India's 10th Ranked Private University** by DL Magazine – 2019
- ❑ **Best Skill University in India 2019** by Career Magazine “Dialogue India” at Taj Dubai, UAE on 2 May 2019.
- ❑ **Excellence in Teaching Methodology in Skill based University** by My FM Education Icon Award Show on 10 July 2019.
- ❑ **Asia's Best University for promoting Skill Development and Entrepreneurship** by Rajasthan Skill & Livelihoods Development Corporation (RSLDC), Government of Rajasthan and Business Rankers on 19 September 2019.

Dr. JOSHI HIMSELF HAS BEEN APTLY RECOGNIZED THROUGH THE FOLLOWING AWARDS OVER THE LAST THREE YEARS

- ❖ **Social Entrepreneur of the Year Award** by Entrepreneur Awards 2018 at New Delhi on 16th September 2018



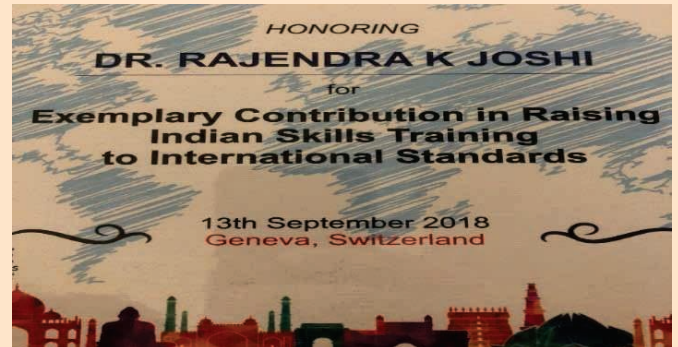
- ❖ **Corporate Citizen Award** - in recognition of his contribution to the industrial development in the Rajasthan region by Federation of Rajasthan Trade & Industry (FORTI) in association with SAP at Jaipur on 3rd August 2018



- ❖ **Swiss Friendship Ambassador** - (Vocational Education Training) by Swiss Ambassador, Andreas Baum; Federal Councillor, Ignazio Cassis; and Mrs. Ruchi Ghanshyam, Ministry of External Affairs at Swiss Embassy, New Delhi on 10th August 2018



- ❖ **Exemplary Contribution in Raising Indian Skills training to International Standards** by Global India Education Forum Awards for Excellence in Education at Geneva, Switzerland on 13th September 2018



- ❖ **Editor's Choice Education Excellence Award** "Global Inspirational Icon in Skill Education" by Career Magazine Dialogue India at Taj Dubai on 2nd May 2019



- ❑ **Pravasi Bharatiya Samman Award** by the President of India for his "outstanding achievement in the field of Science and in recognition of his valuable contribution in promoting the honour and prestige of India". The award was presented to by the Indian Ambassador in Switzerland on 28th March, 2019 in the presence of Mrs Ursula Joshi



- ❖ **GEM OF INDIA Award** in All India Achievers' Conference New Delhi on 17th August 2019



- ❖ Dr Joshi was honored with this award by **Global India Education Forum Awards** for Excellence in Education at Helsinki, Finland on 26th September 2019.



Dr. R.K. Joshi has nine nephews whom he treated as his sons and all of them are helping in fulfilling Dr. Joshi's vision. In addition to his contribution in development of skilled workforce in India, Dr. Joshi took keen interest in philanthropic activities especially in the field of education. He contributed Rs. 6 crores to the Nalanda University for funding a Chair in the School of Historical Studies which was widely covered by the national media. Dr Joshi also established Rajendra and Ursula Joshi Educational Society (JES) with an FCRA certificate, with the aim of helping needy students in their education and for helping other people for medical purposes.

I have had some wonderful interactions with Dr Joshi both personally and during many meetings of the Board of Management and Board of Studies. He had a great vision and was very quick to understand the proposals made to him. His decision making was very prompt and accurate.

I had many differences of opinion with him regarding the direction BSDU should move forward in. He had many wonderful ideas, some of which were not ideally suited for the Indian higher education environment. Once the differences were explained to him, he had no qualms about changing his mind. This resulted in the University making a fast progress in the right direction. He was a great visionary, mentor, a friend and above all a fatherly figure for me. I enjoyed every day of the nearly four years that I spent working with him.

Dr Joshi left us for his heavenly abode on 1 Oct 2019 leaving all of us in a state of shock and feeling bereaved. We are determined to carry on with the work assigned by him to us in order to fulfil his dream of making BSDU a world class university of the future.



Assured that he is watching us and blessing us from above, I alongwith the whole BSDU Family, pray for peace to this great soul.

Glimpses of Dr. Joshi with Family

Early Childhood

The famous English adage *coming event cast their shadows before* symbolizes closely the childhood life of Raja (nick name of Dr Rajendra Joshi) as he was very much keen, determined, caring, daring and protective in his family members.



It was his firmness which led him to fetch a good repute in education, pharmacy and philanthropy at global level. He had always been quite protective and caring for all his siblings. They themselves accepted that Bhai Saab used to be a linking knot for them to convince their parents for any need whenever they required.

Career Interest

His father, Mahaveer Prasad Joshi was a famous Vaidya at Sadulpur, Churu and somehow he was inspired by him to do noteworthy in the same arena at international level in his own career. He himself says:

My dream was to read international literature, outside literature and to go outside, specially to Switzerland. I always prayed for it and I achieved it.

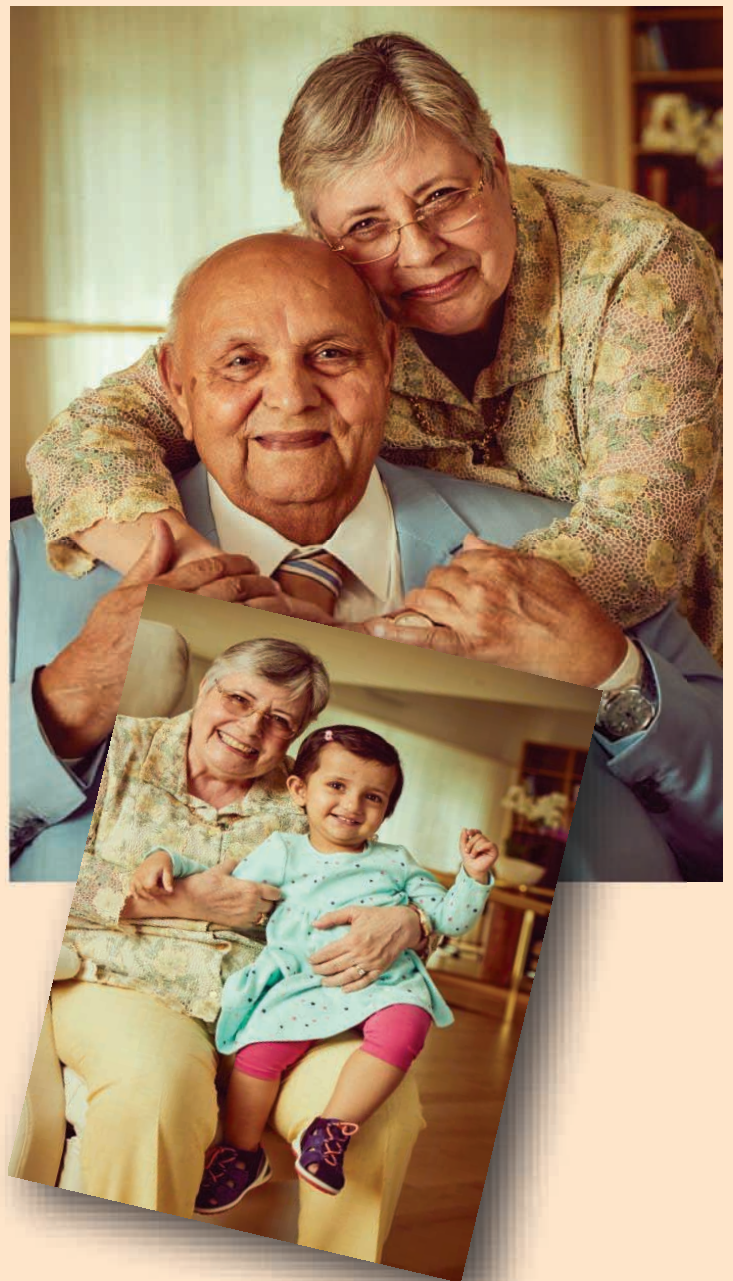


During his pharmacy degree at BITS, Pilani, he had been acute learner in medicines and Sciences. He further states:

In BITS, my main interest was in medicine and chemistry. That's why Pharmacy was the best probation I could find and that was the turning point of my life.

First Medical Product

He further narrated his voyage of career when he received a call letter from Bombay and how he developed and invented few medical products at that time. He made a medical product which was interaction between the components. He explains:



I decided to put three layers in the tablet. At that time there was no machine available in India. I requested Japan whether they could make something. Finally, we made the first three-layer tablet that was for Jukaam (cold)

A Philanthropist

As a human being he had always been available to offer helping hands to the deprived ones. His brother says:

Bhai Saab had always been ready to do something good for the society and to assist those who are in the need of medical, educational and any financial help at any extent. He was very kind-heart person.

Icon for the Family

One of his nephews quotes:

'Bade Papa' had always been a father like figure for me. He was a role model and source of inspiration for all of us. He taught and guided me in professional, academic and personal life. He had been Guru and mentor of all my family members.

Marriage of Love and Knowledge

One of his brothers says:

Bhaiya and Bhabhi are quite dedicated to each other. Though they loved very much each other in personal life yet they had never been ready to admit any point of discussion on research issues on medicines and sciences. Both of them used to be quite rigid in accepting the facts until they got any proof.



BSDU UPDATES

ACADEMIC ACTIVITIES @ BSDU

National Seminar with IoE

The School of Manufacturing Skills and the School of Entrepreneurship Skills organized a two-day national seminar from 13 to 14 July 2019 in the campus. The seminar was organized in association with the Institution of Engineers (IoE), India on Advances in Manufacturing System and Composite Fabrication. The faculty and the research scholars of different institutions presented research papers on the theme in the seminar.

Seminar on Advances in Manufacturing Systems and Composites Fabrication

The School of Entrepreneurship Skills organized National Seminar on Advances in Manufacturing Systems and Composites Fabrication sponsored by Institution of Engineers, Rajasthan Chapter in association with Bikaner Technical University, Bikaner and Employers Association of Rajasthan at Bhartiya Skill Development University, Jaipur from 13-14 July 2019.

A two-week training program on Automotive Wheel Care

The School of Automotive Skills conducted a two-week training program for the students who were selected by Fleeca India Pvt. Ltd. in the month of July 2019. Eight students were trained on Automotive Wheel Care and they were certified and assessed separately by Fleeca and BSDU.

A Two-Week training on Automotive Spray Painting

The Regional Training Centre of Axalta Coating Systems organized a two-week training program at Manesar, Gurugram on Automotive Spray Painting in July 2019. Two trainers and three students of the school enrolled in the training and upgraded their skills in the quoted theme.

Independence Day Celebration

On 15 August 2019, the 73rd Independence

Day of the nation was celebrated with a great zeal and enthusiasm by all the students and faculty members in the institute. All the members of management along with the staff and the students extended salute to the martyrs of the nation. The program was ended with sweets distribution.

Teacher's Day Celebration

To commemorate the birthday of visionary Dr. S. Radhakrishnan, Teacher's day was celebrated in the institute on 5 September 2019. Students of the university organized functions in their respective departments to celebrate the day. Teachers and other speakers highlighted the significance of the noteworthy role of a teacher that he can play in shaping the life of an individual as well as the future of a nation.

In-Service Training Program for IAS and CSS Officers

BSDU hosted a one-week In-Service Training Program on Skill Development, Employability and Entrepreneurship for IAS and CSS Officers from 21-25 October 2019. The Program was sponsored by the Department of Personnel & Training (DoPT), Govt. of India and conducted by the Ministry of Skill Development & Entrepreneurship (MSDE). It was organized under the workmanship of Dr. Jyotsna Sitling, Joint Secretary and coordinated by Prof. Kumkum Garg, Dean, Academics of BSDU.



Delegate with Dignitaries

All the participants availed themselves of various training sessions delivered by eminent delegates from different states on Industry 4.0, Role of NSDC in the Skills Ecosystem, National Apprenticeship Programme Scheme (NAPS), Role of Regulatory Bodies (NCVET, NQAF and NSQF) Schemes like DDUGKY (Deen Dayal Upadhyay Gramin Kaushal Yojana) and NULM (National Urban Livelihood Mission).

Blood Donation Camp



It goes without saying that blood donation is noble cause and saves human life. The University organized a Blood Donation Camp in collaboration with SantokbaDurlabhji Hospital, Jaipur. The camp was organized in the campus of BSDU on 15 November 2019 and 135 Unit of blood was donated as a helping hand to the society.

Cake Mixing Ceremony @ BSDU



Cake ceremony during Christmas

International Cake Day was celebrated at BSDU on 26 November 2019 by organizing a Cake Mixing Ceremony. The ritual, also known as the cake stirring ceremony, is the part of an age-old Christmas tradition of cake mixing which is the symbol of the arrival of the harvest season in Europe, when lots of fresh fruits, nuts, spices and candied fruits were harvested and used in the making of the traditional plum cake. The ingredients of the festive fruit cake are mixed in advance or for up to one month so that they can develop aroma and taste and be ready for baking Christmas cakes. The Pro-Chancellor and many Heads of Schools and Sections of BSDU graced the ceremony by their presence.

Mahindra Skills Competition

To hone the dexterity of the aspirants in manufacturing skills, the school of SMS organized a Mahindra Skills Competition from 2- 6 December 2019. Twelve students of SMS showcased their skills by participating in the contest and winners were awarded.

Training on Blum Fitting Products

A two - days' workshop was conducted by the representatives of M/s BLUM Fittings in the School of Wood Working at BSDU from 3- 4 December 2019. The workshop proved to be a great asset for the participants as it trained the trainers of the school by dividing the training hours in theory and practical sessions equally. Further, the firm sponsored some advanced fittings of the school and extended promising assurance for more sponsorship in future. The school proposed the representatives of the firm for creating a space in BSDU Porta Cabin to display their products for the trainers and trainees.

A one-month training for Dependents of Ex-Servicemen

A one-month training program, sponsored by REXCO (Rajasthan Ex-Serviceman Corporation Ltd), was conducted by the School of Wood Working in the University from 6 Nov.- 6 Dec. 2019. The objective of the program was to train the dependents of ex-servicemen in Basic Course in Woodworking. The training sessions were conducted on various sub themes such as basic hand skills, use of hand tools,

woodworking materials, power tools, basic hand drawing, introduction to stationary machines and furniture cost estimation subjects. The program was conducted under the vigilance of the assessors of FFSC (Furniture and Fittings Skill Sector Council) and Bhartiya Skill Development University. The FFSC organized this program under the schemes of PMKVY (Pradhan MantriKaushalVikasYojna) and MSDE (Ministry of Skill Development and Entrepreneurship). Mr. Brigadier Raja Balwada,, the Managing Director of REXCO, graced the valedictory function and awarded the participants with certificates of Level-3 certified by National Skill Qualification Framework and BSDU on 6 December 2019.

School of Woodworking Skills as an Academic Partner of FFSC

The FFSC (Furniture and Fittings Skill Sector Council) has nominated SWS/BSDU as its academic partner. This nomination is the new feather in the cap of the school as it paves the way for the SWS to become authorized and a certified centre for offering training in furniture and fitting skills after getting due accreditation.

A seven-day Training Program of Assessors (ToA)

Under the aegis of Power Sector Skill Council, a seven-day Training of Assessors Program (TOA) on Power Distribution Job Roles was organized by the School of Electrical Skills from 16 to 22 December 2019. 42 engineering graduates and experienced diploma holders from different industries and companies of various states of the country participated ToA.



Participants of TOA with faculty of the School of Electrical Skills

The inaugural function of the training program was graced by Prof. Achintya Choudhary, the Vice Chancellor of BSDU, Dr. Somnath Mishra, the Registrar, Prof. (Dr.) S. K. Jhaharia, the Principal, School of Electrical Skills, distinguished resource persons, invited guests and participants. All the dais bearers of the program in their address emphasized the importance of training program and various aspects of skills in Power Distribution Job Roles. The participants were trained in the Objectives of PSSC, Need of Certified Assessors, QP/NOS based Training Delivery and Skill Ecosystem in India, Roles and responsibilities of MSDE, NSDC, PSSC, NSDA, TPs, Abs, Power Sector Scenario, power generation – centers/state/private sector, function performed by Generating companies of state level, Electricity Regulations relevant to Power Generation: Central Electricity Authority, Electricity Act 2003, Erection and Maintenance of Power Distribution Lines, Erection of Pole Mounting Distribution Substation and Components etc.

A two-day International Conference

A two-day international conference was organized on Skill & Employability in the Field of Engineering & Management. It was sponsored by LIET, Alwar in association with Institution of Engineers, Rajasthan Chapter and Bhartiya Skill Development University, Jaipur at LIET, Alwar from 27-28 December 2019.

A three-day Entrepreneurship Awareness Camp

NSTEDB and Department of Science & Technology (DST), Govt. of India sponsored a 3-day Entrepreneurship Awareness Camp which was held in the BSDU on 26-28 December 2019.

A one-day training on Power Train Systems of BMW

Under the scheme of Skill India Initiative of BMW, a one-day training program was organized on Powertrain Systems of BMW at Jaipur. One of the trainers of the School of Automotive was trained in this program in the innovative skills of power train systems.

Hero Centre of Excellence for Training

The School of Automotive Skills has accepted

the proposal of Hero Motocorp for establishing Hero Centre of Excellence for Training in Two Wheeler in the campus of BSDU. The company has provided equipment of Rs. 25 Lakhs for quick functioning of the laboratory to facilitate the smooth conduct of training in the campus.

Innovative Activities of Entrepreneurship

The School of Entrepreneurship Skills organized activities to enhance skills for the students so that they could generate and create innovation in the field of entrepreneurship skills, as mentioned below.



Students with Governor of Rajasthan Kalraj Mishra

- ❖ Celebration on Innovation Day
- ❖ Ideation Workshop (Logo Designing)
- ❖ A workshop on Entrepreneurship and Innovation as Career Opportunity
- ❖ A visit to Incubation Centre, Bhamashah Techno Hub
- ❖ A workshop on Idea for Prospective Entrepreneurs by Dr. AzharKazmi, Management Guru
- ❖ A workshop on Skilling for Entrepreneurs by Dr. Mukta Arora, DGM, RSLDC
- ❖ A workshop on Live with Spark Ride (Fight against depression)
- ❖ A workshop on Beauty, Wellness and Make-up
- ❖ An interactive session on Skill Aspiring Entrepreneurs Needs to Develop by Mr. Uday

Singh, a motivational speaker.

- ❖ Entrepreneurship Awareness Camp for students
- ❖ Participation of SES students in Techzooka 2019, an event organised by Infosys, Ltd.
- ❖ A visit to the Governor's House, Rajsathan
- ❖ A visit to Hotel Zone by the palace
- ❖ A Visit to MNIT Jaipur for Rajasthan Innovation & Start-up Expo, 2019.

Yoga Activities

To create conducive environment for study with soothing harmony in the campus, Yoga activities are organized in the university. Special sessions are organized in the early morning for the students and the faculty members for highlighting the significance of Yoga in life. Later students and teachers perform different Asanas under the guidance of the Yoga instructor



Stepping towards health

TRAINING AND PLACEMENT ACTIVITIES

In the last six months, Training and Placement Cell has been instrumental in signing 18 MoUs with the various industries and institutions to further enhance cooperation in the field of skill education, research, training, internships and placements. As on 31 Dec 2019, BSDU has signed a total of 79 MoUs. In addition, 5 additional MoUs are in the advance stages of signing. The MoUs with the industrial

MoUs

partners greatly help in internships and placement of students in the relevant skill areas. This is of immense help in producing graduates, who are professionally competent and industry ready immediately on graduating from BSDU.

The training and placement cell has also been laying a lot of emphasis on the aspects of soft skills to enable our students improve their communication skills, grooming, personal etiquettes, social grace and leadership qualities. These attributes would not only be useful to the students in their day today lives but would also be of immense help in climbing the corporate ladder with ease in the years to come. The soft skill programmes are conducted both by the in house and external faculties



This semester we have a total of 399 students who are due to proceed to the industry with effect from 03 February 2020 as part of their internships in the II, IV and VI semesters. As on 31

December 2019, approximately 90% of our students have already been placed and the balance are in the advance stages of placement.

In this semester, we have also made a new beginning by opening the doors of foreign countries for our students for their internships. Accordingly, five students of Entrepreneurship Skills are going to Romania and Moldova in this semester for their internships. Further, the stipend amount being received by our B. Voc students during internships has also touched a figure of Rs 24,000/- per month and majority of our students proceeding for their VI semester internships have been assured for permanent jobs on successful completion of their internships.

Providing maximum opportunities to the students by making them familiar with corporate culture has always been the prior objective of the university. The Schools of the university have signed MoUs with reputed organizations.

- ❖ **Rama Aircon, Global Aircon and Metal Joints Manufacturing Pvt. Limited, Jaipur:** The School of RAC Skills signed MOUs with Rama Aircon, Jaipur, Global Aircon, Jaipur and Metal Joints Manufacturing Pvt. Limited, Jaipur.
- ❖ **Sector Skill Council:** The School of Entrepreneurship Skills signed an MoU with Management and Entrepreneurship and Professional Skill Council (MEPSC), New Delhi, to focus on establishing an effective and efficient eco-system for imparting skill development training programs.
- ❖ **ORANE International:** An MoU with ORANE International, Chandigarh, has been signed by the School of Entrepreneurship Skills to provide best in class vocational training and to offer industry-oriented training linked to jobs and employability in the beauty and wellness sector.
- ❖ **BUASVM, Romania:** The School of Entrepreneurship Skills signed an MoU with Banat's University of Agricultural Sciences and Veterinary Medicine "King Michael I of Romania" from Timisoara for the student-faculty exchange programs.
- ❖ **Bikaner Technical University, Bikaner:** The School of Entrepreneurship Skills signed an MoU with Bikaner Technical University, Bikaner, for exchange programs, internships, for research, development and innovation programs for students and staff of both universities.
- ❖ **Universidad Católica Del Maule (UCM), Chile:** The School of Entrepreneurship Skills signed an MoU with UCM, Chile for student and faculty exchange.

- ❖ **Universitatea Agrară de Stat din, Moldova:** The School of Entrepreneurship Skills signed an MoU with Universitatea Agrară de Stat din, Moldova for student and Faculty exchange programs.

GUEST LECTURES

- ❖ Principal, School of RAC delivered an expert lecture on REFCOLD at Hyderabad from 21-23 November 2019 organized by ISHRAE (Indian Society of Heating, Refrigerating and Air-Conditioning Engineers) Jaipur Chapter.
- ❖ Under the aegis of academic activities of ISHRAE Chapter, the Principal, School of RAC delivered expert lectures on Principles of Psychrometric at M.N.I.T, Jaipur and Cold Storage: A Necessity of Cold Chain at Bhamashah Innovation and Incubation Center, Jaipur.

PAPERS PUBLISHED

- ❖ **Authors :** Ms Shekhawat, HS Mali and APS Rathore
Title : Macro & Micro-feature fabrication on external cylindrical surface using permetric electrical discharge texturing
Journal : J.Phys.: Conf. Ser. 1240012051
- ❖ **Author :** VipinPahuja
Title : Influence of process parameters on surface roughness, hole diameter and burr height in drilling of 304L duplex stainless steel
Journal : Manufacturing Engineering, Lecture notes on multidisciplinary industrial engineering, Springer, Singapore (ISBN: 978-981-13-6287-3).
- ❖ **Author :** VipinPahuja
Title : Application of Artificial Neural Network for Modelling Surface Roughness in Machining
Journal : Manufacturing Engineering, Optimization methods in Engineering, Springer, Singapore

- ❖ **Author :** Kodihal, K. and Sagar, A.
Title : A Study and Mathematical Analysis of Thermionic Energy Conversion Materials Based on their Solid State Emission Properties
Journal : SAE Technical Paper 2019-28-0084, 2019
- ❖ **Authors :** Kodihal, K. and Sagar, A.
Title : Prototype Design of a Small Scale Thermionic Energy Generator for Waste Heat Recovery in Hybrid Electric Vehicle
Journal : SAE Technical Paper 2019-28-0027, 2019
- ❖ **Authors :** Singh Pahwa, D. M., & Mredu Goyal
Title : Sustainable Business Model for Cab Aggregators: A Confirmatory Analysis
Journal : Humanities & Social Sciences Reviews (Scopus indexed), 7(1), 376-384
- ❖ **Author :** Ms. Priya Agarwal & Dr. Mredu Goyal
Title : Swiss- Dual System: Career Management Through Skill Development
Journal : Inspira Journal of Modern Management and Entrepreneurship (JMME) Volume 09 Issue 4 ISSN: 2231-167X
- ❖ **Author :** Komani, K.
Title : Dementia, Living Will and Autonomy
Journal : National Institute for Engineering and Research - International Conference on Nursing Ethics and Medical Ethics, 46-50
- ❖ **Author :** Dr. Sangeetha Noval.
Title : From Lexis to Discourse: A 5 Stage Pedagogy for ESL Learners.
Book : Novel Trends and Techniques in Literature and Language Research. ISBN: 978-93-86890-37-5, Vol-I Aug, 2019
- ❖ **Author :** Dr. Perna Srivastava
Title : Snippets of Post-Modernism in Dattani's Tara: A Critical Exploration of Gender Discrimination Book: Novel Trends

- ❖ and Techniques in Literature and Language Research. ISBN: 978-93-86890-37-5, Vol-I Aug, 2019
- ❖ **Author :** Dr Ajay Sharma
- ❖ **Title :** An Analysis of Marginalized Women Characters in the Works of Doris Lessing & Alice Munro
- ❖ **Journal :** Gujrat Research Society Volume-21, Issue-1 2019. ISSN: 0374-8588

PAPERS/POSTERS PRESENTED IN CONFERENCES

- ❖ **Dr Ankur Sagar and K. Kodihal**
 - **Title of Paper :** A Study and Mathematical Analysis of Thermionic Energy Conversion Materials Based on Their Solid State Emission Properties
Venue & Date : International conference, 3rd Edition Advances in Design, Materials, Manufacturing and Surface Engineering for Mobility- ADMMS 2019 on 11-12 October 2019 in Chennai
 - **Title of Paper :** Prototype Design of a Small Scale Thermionic Energy Generator for Waste Heat Recovery in Hybrid Electric Vehicle (Best Paper Award)
Venue & Date : International conference, 3rd Edition Advances in Design, Materials, Manufacturing and Surface Engineering for Mobility- ADMMS 2019 on 11-12 October 2019 in Chennai
 - **Title of Poster :** Automotive Thermionic Regeneration System (Bagged 2nd Prize)
Venue & Date : NuGen Mobility Summit 2019 held at ICAT Centre, Manesar Gurugram on 27 -29 November 2019
- ❖ **Dr. Mredu Goyal and Dr. Ravi Goyal**
 - **Title of Paper :** Exploring the Antecedents of Green Purchase Decisions: A Sustainable Model for Food Aggregators
Venue & Date : International symposium on

Young People and Agricultural Research 15th edition, held on 28-29 November 2019 at TIMISOARA, ROMANIA

- **Title of Paper :** Green-Cab Pooling: A Confirmatory Factor Analysis Model
Venue & Date : 3rd international conference on Innovations & Emerging Trends in Global Economy: Opportunities & Challenges and Advanced Research & Technological Issues in Management, Commerce, Economics, Education, Gender Studies & Information Technology held on 16 and 17 August 2019 at Kanoria PG Mahila Mahavidyalaya, Jaipur. (Best paper Award)
- **Title of Paper :** Modeling the Relationship of Antecedents to Sustainable Green Decisions
Venue & Date : 3rd annual seminar on Rajasthan 2030, Redesigning Human Presence on Earth: Let's Begin with Rajasthan (A community approach to SDGs) held on 7-8 December, 2019
Dr. Shekhar Kapoor
- **Title of Paper :** Management Imperatives for Sustainable Growth: Transformation through Technology
Venue & Date : International conference on Management Imperatives for Sustainable Growth-Transformation Through Technology held on August 24, 2019 at ICFAI Business School, Gurgaon (Best Paper Award)
- ❖ **Dr. Ravi Kr. Goyal and Dr. Shekhar Kapoor**
 - **Title of Paper :** Business Transformation through Sustainability, Entrepreneurship and Digitalisation
Venue & Date : International conference on Business Transformation through Sustainability, Entrepreneurship and Digitalization (ICSED-2k19) held on November 9, 2019 at IMS Ghaziabad University.
- ❖ **Dr. Sangeetha Noval**
 - **Title of Paper :** Identity Crisis and Moral

Dilemma Leading to Psychic Disintegration of Eugene O Neil's Yank of The Hairy Ape: A Humanistic Study

Venue & Date : Amity University, Jaipur, 15-16 Oct 2019

❖ **Dr. Prerna Srivastava**

- **Title of Paper :** The Treatment of Gender and Sexuality in Dattani's On a Muggy Night in Mumbai, Do the Needful and Seven Steps Around the Fire.

Venue & Date : Amity University, Jaipur, 15-16 Oct 2019

❖ **Dr. Kiran Shekhawat**

- **Title of Paper :** Struggle for Identity and Self Realization of the Female protagonist Nora in Henrik Ib-sen's A Doll's House

Venue & Date : Amity University, Jaipur, 15-16 Oct 2019

Dr. Rakesh Choudhary

- **Title of Paper :** Impact of Temperature and Concentration Slip on Inclined MHD Bioconvection Past a Vertical Porous Plate in the Existence of Nanoparticles and Cryotactic Microorganisms

Venue & Date : SSN College of Engineering, Chennai, Tamilnadu, 23-24 December, 2019

FACULTY AWARDED WITH Ph. D. DEGREE

- Ms. Mredu Goyal was awarded with Ph.D. degree in Commerce from Department of Business Administration, University of Rajasthan, Jaipur. The title of her dissertation is A Study of Effectiveness of Social Media Marketing Strategies in Rajasthan.
- Mr Satyendra Singh was awarded with Ph. D. degree in Electrical Engineering from MNIT, Jaipur on 16 December 2019. The title of his dissertation is Bidding Strategies in an Emerging Electricity Market.

STUDENTS' ACHIEVEMENTS

- Five students (B.Voc, 1st Sem.) of the School of Entrepreneurship Skills have been shortlisted for internship in Banat's University, Timisoara, Romania from 15 February 2020 to 31 May 2020. The names of the students are as follows:
Rishab Thakran, Krishna Purohit, Ravindra Pyrohit, Mohit Vyas and Tanisha Khandelwal
- The business idea of Umesh Khatkar, the student of B.Voc, Sem. -I, School of Entrepreneurship Skills, was selected for final round of presentation at Nec Startup Entrepreneurship Summit 2019, 20-21.
- Devendra Bhatt, School of Entrepreneurship Skills was shortlisted for TEQIP sponsored one-week STC on Effective Research Proposal and Paper Writing at NIT Jalandhar.

BSDU ADMINISTRATION

BSDU family has always benefited from the exceptional organizational skills, commitment, vitality and expertise of their stakeholders. Our hearty congratulation and best wishes to the following team in their new endeavor to steer BSDU to greater pinnacles:



Brig. (Dr) Surjit S Pabla with his exemplary academic record and extraordinary administrative skills has been elevated to ornate the position of Pro Chancellor of the University.



Prof. Achintya Chaudhury, having efficiently served the University as Registrar has now been appointed as the Vice Chancellor of BSDU



Brig. (Dr) Somnath Mishra, has an experience of 43 years with 25 years in Administrative / Technical / Industrial arena and 18 years in Academics had been the former Vice Chancellor of Sikkim Manipal University. We are honoured to have him as the Registrar of BSDU

UPGRADATIONS/ PROMOTIONS

Prof. Kumkum Garg, Dean, Faculty of Informatics & Robotics has taken over as Dean, Academics

Prof. Shishir Ch Bhaduri, Principal, School of HVAC, has been assigned the position of Dean, Faculty of Automotive, Electrical & RAC Skills, BSDU

Prof. Anurag, Principal, School of Computing Skills, has been appointed as Dean, Faculty of Informatics & Automation, BSDU

Cdr. Dr Anil Rana, Principal, School of Carpentry, is now the Dean, Faculty of Manufacturing Skills, BSDU

Cmdr. (Dr) Jawahar M Jangir who joined BSDU as Professor, Electrical Engineering is now the Director, Industrial Relations, BSDU

NEW JOINING @ BSDU

Mr Kumar Shanu Sharma - Junior Trainer, School of Wood Working Skills on 1 July 2019.

Dr. Satyendra Singh - AP - I, School of Electrical Skills on 2 July 2019.

Col. Sanjay Gangwar - Assistant VP-Training/ Officiating Principal, School of Automotive Skills on 25 July 2019

Mr Ashish Kumar Sharma - Trainer-II, School of Computing Skills on 1 August 2019.

Mr Arun Kumar Singh - Chief Trainer School of Construction Skills on 22 August 2019.

Mr Umesh Narula - Jr Engineer, School of Construction Skills on 3 September 2019.

Mr Lalan Kumar - Jr Trainer, School of Construction Skills on 25 September 2019.

Dr Ajay Sharma - Asst. Professor-I, School of General Education Skills on 25 September 2019.

Mr Gori Shankar Soni - Jr Trainer in the School of Construction Skills on 26 September 2019.

Ms. Falti Teotia - AP - II in the School of Electrical Skills on 21 October, 2019

Mr. Alfred Blatter - Project Manager, School of Electrical Skills on 5 November 2019.

ARTICLES

Importance of Building in HVAC Aspects

Mr. Shyam Anand Chaturvedi (Trainer- School of HVAC)

Sustainability and green building design have become powerful household concepts in the past few years. Almost everyone has his or her own ideas about global warming, renewable energy, and high-performance buildings. A few decades ago, the main

target of the traditional building designers in general was to design a building that is beautiful, comfortable, cost effective, and capable of satisfying the building applicable functions. The focus of the modern era building designers in response to the world energy uncertainty and its increasing cost and adverse effects on the environment has changed to not only satisfying these traditional design targets, but also minimizing consumption of energy in the buildings. This has imposed a big burden on the architects and engineers to change the way they have pursued building design. Now, not only do they have to comply with common standards and codes such as building code and mechanical code, but also have to comply with the new regulations based on requirements that are set by organizations such as ASHRAE (American Society of Heating, Refrigerating and Air-Conditioning Engineers), ECBC (Energy Conservation Building Code), NBC (National Building Code), ISHRAE (Indian Society of Heating, Refrigerating and Air Conditioning Engineers). Evaluation of a building's performance is an innovative approach to the planning, design, construction and occupancy of buildings. It is based on feedback and evaluation at every phase of building delivery, ranging from strategic planning to occupancy, throughout the building's life cycle.

Since, HVAC systems contribute significantly to high energy consumption in any residential and commercial building it is essential to monitor and evaluate the performance of them to avoid unnecessary energy wastage. A good performance of a building comes with a good integrated design. For example, if a building's envelope is designed in such a way which allows maximum use of day-lighting in the building, by specifying high-quality glazing system. This technique will help the electrical engineer to reduce the use of artificial lighting during the hours of the day that it is possible to replace design lighting with natural light in the building. At the same time the HVAC engineer gets the benefit of lower artificial lighting load and higher quality glazing system in the form of smaller HVAC equipment size requirement. As the result of smaller HVAC equipment the architect gets the benefit of

additional usable spaces and higher ceilings heights in the building that obviously adds to the beauty of the architectural design.

Electrical engineer also gets the benefit of smaller generators due to smaller size HVAC systems and of course lighting system that would collectively help to bring the project cost and its environmental negative effects lower. Energy conservation, indoor air quality, and comfort are among the core building performance issues and all of these are encompassed by good HVAC design. Therefore, for a good building performance a good HVAC design is absolutely necessary.

Following good design at every fundamental building steps can collectively reduce the size of the heating and cooling systems by 30-50% which in turn will help in conserving the energy thus

Making the building more efficient and green.Recent Changes in Income Tax

Ms. Kritika Tekwani, Research Scholar

Income tax is a direct and progressive tax which is paid by individual or corporate who earns a taxable income and the liability of tax cannot be shifted to others. The interim budget for Financial Year 2019-20 has introduced full tax rebate under the section 87A of Income Tax Act, 1961 for individuals earning a net taxable income up to Rs. 5 lakhs. This tax rebate has been increased from Rs. 2500 to Rs. 12,500 and the limit of Rs. 3.5 lakhs have also been increased to Rs. 5 lakhs. The standard deduction under the section 16(ia) for the salaried person has also been increased from Rs. 40,000 to Rs. 50,000. These changes will be applicable from the assessment year 2020-21.

A new section 194N has been added in the Income Tax Act, which defines that TDS is applicable @ 2% on cash withdrawal exceeding Rs. 1 Cr. from bank account. TDS is also applicable @ 5% if payment made to professionals or contractors exceeding Rs. 50 lakhs. These additions in the Income Tax Act, have been applicable by 1 Sep. 2019.

The Union Budget highlights that increase in

surcharge on super-rich which is 3% surcharge for Rs. 2 Cr. Income and 7% surcharge is on Rs. 5 Cr. and above. This budget also highlights the interchangeability of PAN and Aadhaar for ITR who don't have PAN cards. There is no change in tax slabs or rates for individual taxpayers for AY 2020-21.

The Budget also proposes faceless tax assessments. From this annual year, 2019-20 pre-filled tax return (ITR-1) are available to taxpayers. The present system of assessments in the Income-tax Department involves a high level of personal interaction between the taxpayer and the department.

Panacea Approach for Glocal Issues of English

Dr Ajay Sharma, (School of General Education)

Language is typically a human attribute. Its complete acquisition by the learner is not possible without his readiness to make it a part of his fiber. However, communication is a social attribute. Proficiency over communication skills adds value to one's survival chances in society. If Charles Darwin was right in his idea of survival of the fittest, the survival needs in today's world of cultural symbiosis and corporate demands would strongly stand for communication skills. It enhances every aspect of one's life and paves the way to triumph in both professional and personal life. Communicative competence is the buzz word in today's educational arena and professional spheres. It has become a watch word for budding aspirants especially from vernacular background in India who struggle to communicate in English. This inability has become a great obstacle in their career advancement. It is a broad fact that English has become an essential instrument to disseminate ideas, knowledge and thoughts in this glocalized world effectively. This glocalization has been propagated by English language. In this technical era, students need to have command over communication skills in addition to their technical knowledge to remain employable. It entails that a technocrat must be dexterous in various skills like interpersonal, intrapersonal, decision making, presentation and other communication activities required at their work place and beyond.

It is time to ponder over the challenges that the

students face at the time of language learning and building communicative competence. We must think differently about the teaching and learning process. These approaches give a platform to the learners where they may learn by participating as active learners and this is a grand asset for them in the process of language acquisition. It has been observed that students in Universities and Engineering colleges reveals the fact that students are proficient at their technical subjects lack in the expression and comprehension in English Language. The passive role of learners in language learning and the traditional language teaching methodologies produce a generation of incompetent technocrats. In India, industries are also voicing their concern about the need for better communication skills among students of engineering. According to Karnik, former president of NASSCOM (National Association of Software and Services Company), only 25 percent of technical graduates are suitable for employment in the outsourcing industry because of their lack of abilities to speak or write well in English. (Karnik, 2007 as cited in P'Rayan 2008:1). Most students are not 'industry-ready' because they lack communication skills. (Infosys, 2008).

Language anxiety and deficiencies

Many a research studies have found some challenges that the upcoming technocrats face at the time of attempting to communicate the language. The following findings i.e. language deficiencies and challenges were churned out:

- ❖ Most of the students accomplish their school education in their mother tongue. Though they have attained admirable marks in core subjects, yet they remain very poor in English. The students have indefinable fear and fever of English.
- ❖ Socio-cultural and financial background of the family. As most of the parents are illiterate or just literate they cannot be a facilitator in the academic processes of their children though they are always concerned for their bright prospects.
- ❖ Another major problem is curricula and its targeted objectives. These students generally pursue

their studies in Govt. schools in which the medium of instruction is mother tongue. Though this method offers them sound knowledge in the content, it prevents them in acquiring communication abilities in English.

❖ Lack of trained teachers and moreover they are unaware of the current trends and techniques of ELT. Refresher courses have become a ritual exercise not a learning obligation to upscale skills.

❖ Evaluation system in school in rural areas is found to be syllabus oriented and not learner friendly. The desired outcome of the whole teaching learning process in an academic session is not even the production of the average speakers of English language but the completion of syllabus through teaching the prescribed content only. Model of the final English examination paper is such that answer writing in the annual examinations forces students to rote grammatical rules and not to express their ideas freely. Listening and speaking skills are not at all examined in the classroom and thus are not taught at all.

❖ Intimidation brought about by the Cultural Constraints.

All the above mentioned factors result in the deficiency of proper motivation, as well as enhancing boredom among students, student's lack of zeal and enthusiasm to communicate in English, unreasonable fear of English and inclination towards bilingual methods of communication. To cope with such impediments, language teaching in India has changed its face by adopting various methodologies and approaches of teaching according to the necessity of learners.

This search gave birth to Communicative Language Teaching approach. Communicative Language Teaching came into prominence as it is based on the functional view of language. The theory emphasizes the semantic and communicative dimension rather than grammatical or structural elements. So far as the theory of language learning is concerned, this method involves both cognitive and behavioral aspects in the acquisition of communicative competence in a language that

presupposes skill development.

Under the aegis of CLT a number of modern approaches like Task-based Approach (TBA), Task-based Language Teaching (TBLT), Task-based Language Learning (TBLL) came in to fashion that gave a much more varied exposure to the learners to a whole range of lexical phrases, collocations and structures as well as language forms. In TBLT, syllabus content and instructional processes are selected with reference to the communicative tasks which learners will (either actually or potentially) need to engage in outside the classroom and also with reference to theoretical and empirical insights into those social and psycholinguistic processes which facilitate language acquisition. These innovative language teaching approaches have been playing significant role to generate competency in communication among the new technocrats. Tasks encourage fluency development; motivation and a sense of achievement by enabling the learner to discuss topics of his/her own interest.

Besides them, Computer Assisted Language Learning (CALL) has been quite popular in language teaching. Android has opened news interface for language learners. A horde of apps is available today to learn English. Let's ask our budding engineers to use their android mobiles to check language learning assistance. Let's push forward a uniform content over the uniform platform. Before it becomes an approach, let's make it "Panacea Approach". If our budding engineers' language skills need a remedy, let's have a "Panacea Approach". I invoke every custodian of national pride to come and help India have a syllabus for budding engineers to emancipate them from their restricted ability to communicate in English language.

Art of Living

Comde(Dr) Jawahar M Jangir (Principal, School of EE Skills)

A very large number of people have been living their lives with full of worries. Surprising fact is that they do not ask themselves the reasons of their unhappiness. Some don't even seem to know that

they are unhappy but continue to live life grudgingly considering it as a burden.

However, some of the fundamental reasons of being unhappy are quite simple but majority of us don't pay the requisite attention to them. The first is deeply ingrained habit that majority of time, people live either in the past or in the future. If you live in the past, you generally live with the feelings of regret and guilt. If you live thinking about future, it brings fear. So you are living with the feelings of either regret and guilt or fear. These negative emotions severely sap your energy, leaving you tired, frustrated and gloomy. As a result, you will be nothing but unhappy. In this process, one forgets to live in the 'present' moment, which indeed is a gift. So, what is the remedy? The solution is learning to live in the present. If you are focused in the present moment, your present will be good and enjoyable. If present is good, past is definitely going to be good. If both your past and present are good, your future would be nothing but great. One very simple technique, which works all the time, to keep your attention in the present moment is by paying attention on your breathing. That is focusing on the breath going in and out through your nostrils. So next time, whenever you find yourself struggling with your past or future, bring your attention to your breathing. This will surely help to immediately pull you out of the negative spiral and you will be in a position to make effective use of your time.

The second aspect, one needs to be consciously aware of is that the mind has great affinity towards being attracted to the negative thoughts and loves to take you down till you feel miserable. A simple example of the interactions between you and your Boss. During the day to day interactions, you will find many of your ideas, the quality of your work, your punctuality and many other aspects of your aspects will get appreciated by your boss and you will go home feeling good about yourself. But one Friday afternoon, your Boss gets angry with you because you missed some key points in the presentation for one of your clients. Now when you go back home, everyone in your joint family will see you visibly disturbed and in next few days, or

perhaps longer, you will continue to think only about the anger of your Boss and the things s/he said and continue to imagine every possible thing going wrong in your relationship with your Boss. You will even find difficult to look directly in the eyes of your Boss for a long time. But now let us just look back and re-examine this episode. In the last one year, whenever your Boss said something good about you, your happiness or feeling good about yourself really didn't last long, even when your Boss gave compliments to you every day of the year. But one negative statement of your Boss will continue to linger on in your mind for years to come, keeping you unhappy. But for your Boss, you continue to remain as one of the most trusted, reliable and professionally competent subordinate. This aspect of love and attraction of the mind for things negative needs to be consciously understood to come out of the downward or negative spiral and to quickly regain your sense of balance and happiness. This example can be further extended to your interactions with your family, friends, colleagues and acquaintances.

The third aspect is that living a life of integrity and honesty. Let us understand this with an example of 'a thief'. We all understand well who a thief is. But to define it differently, a thief is someone who acquires wealth/money without working for it with honest means. If I happen to be an employee of an organization, and take my salary every month without honestly discharging my responsibilities, then I fully qualify to be termed as 'a thief'. People who fall in this category are some of the most insecure, negative and unworthy of being colleagues. Interactions with such people needs to be minimized to the extent feasible as they spread negativities in the environment, which causes distractions in your mind and takes away lot of your productive time and also leads you towards feelings of unhappiness.

The fourth aspect being living a life with gratitude. Every living human being has a lot to be grateful for irrespective of his caste, creed, financial status, health conditions, educational qualifications etc. If your day begins and ends with the prayers of

gratefulness, you can be rest assured that it would make a significant impact towards your happiness quotient.

Important Success Formulas

Dr. Shekhar Kapoor (School of Entrepreneurship Skills)

To achieve success in life, it is very important to define what success means to us. Different people have different perspectives of success. All of us want to be successful in our lives. Some of us see success as owning a big house, while others see it as owning a big car; some of us want a loving family, while others want just a loving spouse. Whatever be the parameters of success, we must write our goals clearly and paste the written page at places which are frequently visited by us, then that would do wonders.

A. Prioritize your life :

For a balanced life, we must understand that we can't accomplish multiple tasks at the same time. We should develop a habit of saying 'No' to things that would deviate us from achieving your goal. We should maintain a sequence of priority in our life.

B. Think Win-Win :

Many of us evaluate our success by comparing or competing with others' success or failures. We must try and develop a win-win attitude for ourselves without comparing with others.

C. Responsibility :

If something happens wrong in our life, we try and find a person on whom we may try to shift the blame- be it our parents, our spouse, our siblings, friends or some employee. In a way, we try and play a blame- game with ourselves and with others. We should accept responsibilities and try to correct our mistakes. Only then we can climb the ladders of success.

“Everyone should learn from their mistakes and failures. They are the stepping stones for their success. Accept the responsibilities and correct the mistakes.