The National Dairy Research Institute, Karnal was originally started as Imperial Institute of Animal Husbandry and Dairying in 1923 at Bangalore. It was expanded and renamed as Imperial Dairy Institute in 1936 and was known as National Dairy Research Institute after independence in 1947. Subsequently, in 1955, NDRI Headquarter was shifted to Karnal. Facilities at Bangalore were retained to function as a Regional Station to serve the Southern States.

In 1964, Eastern Regional Station of the Institute was established at Kalyani in West Bengal. Both these Regional Stations continue to provide region specific R&D support for dairy development in these areas. In 1970, NDRI was brought under the wings of the Indian Council of Agricultural Research to provide greater operational autonomy to the Institute in research management functions. In 1989, status of Deemed University was conferred to the Institute for further strengthening the academic programmes for human resource development.

The National Dairy Research Institute as the premier Dairy Research Institution undertakes research, teaching and extension activities towards dairy development in the country. Being the National Institute, it conducts basic and applied research with the objective to enhance animal productivity and also to develop cost effective technologies for the benefit of the teeming millions. Further, the Institute provides high quality manpower to meet the human resource requirements for the overall dairy development in the country. The Institute also undertakes extension programmes for transferring the know-how from the laboratory to the farmers’ fields.

The National Dairy Research Institute as country’s premier Dairy Research institution has developed considerable expertise over the last five decades in different areas of Dairy Production, Processing, Management and Human Resource Development. Information generated at the Institute and the services offered have contributed to the growth of Dairy Industry as a whole and well-being of millions of milk producers and consumers of milk and milk products. Realizing the challenging need of global Dairy Trade, the Institute is continuously working to develop its R&D and HRD programmes to better serve the nation in terms of food security, employment generation, poverty alleviation and economic prosperity. The National Dairy Research Institute as country’s premier Dairy Research institution has developed considerable expertise over the last five decades in different areas of Dairy Production, Processing, Management and the growth of Dairy Industry as a whole and well-being of millions of milk producers and consumers of milk and milk products. Realizing the challenging need of global Dairy Trade, the Institute is continuously working to develop its R&D and HRD programmes to better serve the nation in terms of food security, employment generation, poverty alleviation and economic prosperity.
It is heartening to learn that the students of NDRI Deemed University are bringing out the annual issue of ‘Endeavour 2019’.

As we have already completed the first quarter of the year 2019 - a year promising new possibilities and opportunities, I am extremely pleased to share the achievements and accolades that our students have brought to this institution. ICAR-NDRI continues to remain as the best destination for dairy science research and education in the entire Asia. To our pride, our students are vigorously pursuing their academic and extra-curricular activities with bubbling enthusiasm and zeal. We have strived hard to win a competitive grant in the form of Institutional Development Project under NAHEP, which is likely to impact positively the entire ecosystem at the institute in favour of learning outcomes, students’ personality and employability, global opportunities for academic & career progression, entrepreneurial competencies and start-ups culture. We, as a family, shall continue to strive for excellence in the years to come. Let’s aspire to become UNBEATABLE and UNCOMPARABLE!

The various highlights in the repertoire of events of this year include the Global Alumni Meet ‘NGASM’, the 17th convocation and week-long colourful VASANTOTSAVA culminating with cultural night, in which our students mesmerized us with their subtle talents in music, dance and theatre.

The journey that is laced beautifully with triumphs would not have been possible without the collective measures of our dear students and vibrant faculty. I speak for the entire NDRI team in saying that it would not have been possible to accomplish all this without your constant support. The personal talents and untiring efforts behind this ENDEAVOUR are highly commendable.

It is rightly said, “A dream becomes a goal when action is taken towards its realisation.” Thus, we are committed in taking positive actions to produce optimistic and independent future leaders for our nation.

R R B Singh
Director
ICAR-NDRI, Karnal
From the Desk of the Editor

‘If winter comes, can spring be far behind’. As our hearts leap up with joy seeing the fresh flowers all around with the onset of spring, so is my state of mind looking at the lovely literary creations in the form of ‘Endeavour-2019’ after a long break. These brilliant creations rendered by our budding writers are mesmerising, fresh and palpable.

The mission of NDRI has always been to provide quality education to its students by not only making them excel in academics but also paving the way for their holistic development and inner transformation. With the organisation of Foundation Program in the last two consecutive years, the seeds of which were sown with establishment of Student Empowerment Unit as a very modest attempt, the innate latent talents of our students have got expressed through various music, fine arts, theatre and literary activities, ably mentored by the leading established experts in their respective areas.

Greatest inventors and scientists too have merged scientific knowledge and discovery with artistic creativity. Albert Einstein said that imagination is greater than knowledge. He would strike a few chords on the piano or pick up the violin and play, and that would often provide him a constructive thought or solution to a scientific problem. Steve Jobs would not have made the mark in designing world class Computer, had his imagination not been fuelled by the nuances of the calligraphy. Manjul Bhargav, the great Mathematician would not have got the Field prize in Mathematics, had he not resorted to poetic compositions to seek inspiration to solve intricate mathematics problems. There is no denying of the fact that students learn to reason, analyze and express their creativity better by connecting diverse ideas and themes across academic disciplines.

This student magazine Endeavour-2019 could be seen as a symbol of hope. It again establishes the fact that without arts, science is incomplete. Only fusion of science with arts can make life all the more complete and beautiful. There is always a need to make a perceptible connection with human hearts for making science viable. Let’s forget that science sans arts/literature can bring about the desirable change and impact the society.

Dear students, it is really important for you to visualise what you want to become. Each one of you is unique. There is a powerful saying in Bhagvad Gita, “You are what you believe in. You become that which you believe you can”. Believing in your vision, purpose and goal is that makes your reality. Let life be the highest and the truest expression of your real self. Let’s learn to celebrate life and cherish each of its moments to the fullest extent. When you put your heart and soul in accomplishing any task, you feel and experience pure joy and freedom.

Lastly, I have no words to thank Dr RRB Singh, Director ICAR-NDRI, for his guidance and constant encouragement. Dr Sarin Karthikeyan, Student Editor and his team deserve special thanks for this wonderful job accomplished.

Best Wishes and Happy Reading!

Meena Malik
संपादक की वक्तमा ले

यह आयर हर्ष का विषय है कि राष्ट्रीय डेरी अनुसंधान संस्थान, कर्नाल के विद्यार्थियों के द्वारा रेसी–2019 के उपलक्ष्य में पत्रिका का प्रकाशन किया जा रहा है। इस प्रकार की पत्रिका छात्रों को अपनी साहित्यिक रचनात्मकता को निखारने का मंच एवं मौका प्रदान करती है। संस्थान के अन्य प्रकाशनों के साथ-साथ यह पत्रिका भी अत्यंत महत्वपूर्ण सिद्ध होगी एवं इसमें योगदान देने वाले लेखक अपने ज्ञान-विज्ञान, अनुसंधान एवं अध्ययन-अध्यापन के निर्माण दायित्वों के साथ-साथ अपनी छिपी प्रतिव्यतिमा और लेखनी के हुनर का लोहा मनवायेंगे, ऐसी आशा करते हैं।

आज के विद्यार्थी कल देश का भविष्य बनेगी और विभिन्न क्षेत्रों में राष्ट्र निर्माण में योगदान देगे। उन्हें भारतीय संस्थान के एकता, समानता एवं बिना भेदभाव के अपने दायित्वों का निर्वाह करने के लिए सदैव तत्पर रहना चाहिए। उन्हें अपने व्यक्तिगत एवं व्यापक जीवन में समय की पावनी, अथव परिश्रम, प्रशोक्कारिता और अनुशासन का विशेष रूप से पालन करना चाहिए। किसी भी व्यक्ति के नियंत्रण में यह नहीं होता है कि वह कहाँ और किस परिवेश में जन्म लेगा, किन्तु अपने प्रयासों एवं अध्ययन के बल पर वह सफलता एवं उपलब्धियों की मिलाल काम कर सकता है। इतिहास गाथा है कि हमारे देश के मुद्री के नामों ने अपनी परिश्रम की पराक्रम पर खरा उतरते हुए अपने-अपने में उत्कृष्ट कीर्तिमान स्थापित किये हैं। हमारे संस्थान के विद्यार्थियों और वैज्ञानिकों की मेहनत का ही परिणाम है कि राष्ट्रीय डेरी अनुसंधान संस्थान ने राष्ट्र-स्तर पर अपनी अलग पहचान बनाई है। मुझे आशा ही नहीं, अपितु पूर्ण विश्वास है कि संस्थान के सभी विद्यार्थी अपने ज्ञान और प्रतिभा का सदुपयोग करते हुए अपने सकारात्मक ध्येय को हासिल करने में कामयाब होंगे।

विद्यार्थियों के सदस्यों से संस्थान एवं विद्यार्थियों की रचनात्मक गतिविधियाँ एवं उपलब्धियों को अभिव्यक्ति प्रदान करने के लिए प्रकाशित की जाने वाली इस पत्रिका के संस्करण, मार्गदर्शक, संपादन मंडली, शिक्षकों, विद्यार्थियों एवं पत्रिका में प्रत्यक्ष व अप्रत्यक्ष रूप से योगदान देने वाले सभी पदाधिकारियों को हार्दिक बधाई एवं शुभकामनाएं।

जय–हिन्द।

राकेश कुमार कुशवाहा
MAGAZINE, a simple distraction from the noise of everyday life! However, the subtle fact remains that they have a far reaching impact on society, for better purpose, for sure. The sole purpose of publishing our annual magazine is to allow readers get a glance on the eloquent views and opinions put forward by our own students, their art of spinning their thoughts into poems, stories etc. Reading their articles may help readers change their dogmatic approach towards certain issues of everyday life. The pages of the magazine serve as the voice of the students, novice writers and poets. Thus, our annual publication acts as a gateway to our student’s style of expression.

Our magazine also gives a quick peek on the yearly events hosted by the institute, laurels brought by the students in various activities and entrepreneurs and other worthy information. In short, flipping through the pages of the magazine gives us a sense of pleasure and satisfaction that the aim with which we started our voyage continues to prosper forever and long i.e to create an environment of scholarly and intellectual individuals.
<table>
<thead>
<tr>
<th></th>
<th>Name</th>
<th>Position</th>
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</thead>
<tbody>
<tr>
<td>1</td>
<td>Sanjay Howal</td>
<td>President</td>
</tr>
<tr>
<td>2</td>
<td>Pradeep R</td>
<td>Vice President</td>
</tr>
<tr>
<td>3</td>
<td>Sakshi</td>
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<tr>
<td>4</td>
<td>Praveen Kumar</td>
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</tr>
<tr>
<td>5</td>
<td>Shinde Nitin Madhav</td>
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</tr>
<tr>
<td>6</td>
<td>Jitendra Kumar</td>
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<td>7</td>
<td>Shambhvi</td>
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<td>8</td>
<td>Shivam Bhardwaj</td>
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<td>9</td>
<td>Anuj Kumar</td>
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# Committees

## Cultural Committee

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<thead>
<tr>
<th></th>
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<tbody>
<tr>
<td>1.</td>
<td>Shashank. C. G.</td>
<td>Secretary</td>
</tr>
<tr>
<td>2.</td>
<td>Manisha Verma</td>
<td>Assoc. Secretary</td>
</tr>
<tr>
<td>3.</td>
<td>Kashvee Kalita</td>
<td>Asst. Secretary</td>
</tr>
<tr>
<td>4.</td>
<td>Nitish Kalyanpur</td>
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<tr>
<td>5.</td>
<td>Rishab Chug</td>
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</tr>
<tr>
<td>6.</td>
<td>Nikhil</td>
<td>Member</td>
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<td>7.</td>
<td>Praveen Kumar</td>
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<td>8.</td>
<td>Suman Reddy</td>
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<tr>
<td>9.</td>
<td>Rinku Mann</td>
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<td>10.</td>
<td>Namita Narwal</td>
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## Fine Arts Committee

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<tbody>
<tr>
<td>1.</td>
<td>Rashi Vashisth</td>
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<tr>
<td>2.</td>
<td>Bhaswati Chaudhary</td>
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</tr>
<tr>
<td>3.</td>
<td>Sapna Tomar</td>
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<tr>
<td>4.</td>
<td>Vartika</td>
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<tr>
<td>5.</td>
<td>Anjali Verma</td>
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<td>6.</td>
<td>Poonam</td>
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<td>7.</td>
<td>Radheshyam Kumawat</td>
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<td>8.</td>
<td>Shivanjali</td>
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<td>9.</td>
<td>Sourashree</td>
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<tr>
<td>10.</td>
<td>Pramod Kumar</td>
<td>Member</td>
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## Sports Committee

**General Secretary:** Sachin Wangdare

<table>
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<td>1.</td>
<td>Secretary Hardeep</td>
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<td>Outdoor Sports</td>
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<tr>
<td>2.</td>
<td>Asst. Secretary Rakesh</td>
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<td>3.</td>
<td>Secretary Mayank</td>
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<td>4.</td>
<td>Member Aditya</td>
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<td>Member Rakesh</td>
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<td>Member Manok</td>
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<td>Member Sonu Nain</td>
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<td>Member Anupreet Singh</td>
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<td>10.</td>
<td>Member Satya</td>
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## Literary Committee

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<tr>
<td>1.</td>
<td>Shrey Agrawal</td>
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<tr>
<td>2.</td>
<td>Sachin Patidar</td>
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</tr>
<tr>
<td>3.</td>
<td>Niharika</td>
<td>Assoc. Secretary</td>
</tr>
<tr>
<td>4.</td>
<td>Shreya Panwar</td>
<td>Asst. Secretary</td>
</tr>
<tr>
<td>5.</td>
<td>Sulabh Singh</td>
<td>Asst. Secretary</td>
</tr>
<tr>
<td>6.</td>
<td>Sweta Deb</td>
<td>Asst. Secretary</td>
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<tr>
<td>7.</td>
<td>Gayathri GN</td>
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<tr>
<td>8.</td>
<td>Lal Chand Sharma</td>
<td>Member</td>
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<td>9.</td>
<td>Priya Ashok</td>
<td>Member</td>
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<tr>
<td>10.</td>
<td>Mansi Joshi</td>
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<tr>
<td>11.</td>
<td>Himani Joshi</td>
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<td>12.</td>
<td>Yankam Shiv Kumar</td>
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<td>13.</td>
<td>Anuradha</td>
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<td>14.</td>
<td>Rahul Kumar</td>
<td>Member</td>
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<tr>
<td>15.</td>
<td>Nakisa Passah</td>
<td>Member</td>
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<tr>
<td>16.</td>
<td>Ramngah mawii Pachuau</td>
<td>Member</td>
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Recollecting the Student Days of My Long Journey through NDRI

I joined NDRI Karnal as a teenager (a graduate student) in 1962, and left the institute only on the day of my retirement in 2006. Thus, I played the longest innings of my student cum professional career and life as such, while going through this great institution. Ours formed the 6th batch of Graduate student in Dairying. I was from the Production stream, which was later discontinued in late 90s. For the admission, there was no written test, but an interview conducted by the board, which comprised of Director NDRI (Dr. K. K. Iya) as the Chairman, Dr. N.N. Dastur (The Principal), Dr. T.M. Paul (Head Dairy Chemistry), Dr. A.T. Dudani (Head, Dairy Mircobiology), Dr. S. N. Ray (Head Dairy Husbandry), Dr. I.S. Verma (Head, Dairy Technology), Dr. B. C. Bagchi (Head, Dairy Engineering) Dr. Satish Verma (Head, Dairy Extension). Most of them had received their Ph D. degrees from either UK or USA. In the interview, all those eminent scientists had fired volleys of questions to me, which I somehow managed to field well.

When I went back to Srinagar, I received a telegram, informing me to join the institute at the earliest. I reached Karnal a couple of days late. By that time the dust of ragging had settled down, because our Principal, Dr. Dastur (of Dastur Era fame), who was very strict, had already fined a few students, who had crossed the limits during ragging. Lucky me, I got a slip from the ragging. In our class of 40 students, 30 students were from Dairy Technology stream and 10 from Dairy Production stream. Interestingly, our class represented all the major states of India, almost like a mini India. So was also the profile of our teachers, as mentioned above. I considered this total ethnic diversity of India in my class as the most thrilling and attractive aspect of joining this Institute. College admitted only boys. Obviously no girls were seen in the campus, except for the family members of our teachers. Surely, you all shall pity those poor boys of 60s who joined the institute as graduates and post graduates, devoid of any girl students around. However, later when Dr. D. Sunderesan took over as the new Director in 1970, the institute opened the doors for girl students as well. Till then, there was just one Hostel (later named Bramhaputra). In each of the single rooms three undergraduate students were compressed, however, the post graduates stayed in cubicles. My two roommates were Keralite Christians, David and Thomas, who did not speak a word of Hindi.

Our Principal, Dr Noshir Naroman Dastur, a Parsi, was an eminent Dairy Chemist having got his Ph D. degree from UK. While his wife lived in Bangalore, he lived alone in the campus. He had taken upon himself to mould the graduate students of this Institute through enforcing strict discipline and thinking big, so that they could form the foundation and subsequently take the leadership of dairy Industry in the country. Today, we must salute late Dr. Dastur that his dream has truly been realized, as we later saw that the Alumni of this institute forming the creamy layer in private and public dairy sector in India and overseas. So is the case with the research scholars that this institution has been bringing out. A simple man, Dr. Dastur invariably wore spotless white shirt and white pant like a true dairyman, with short cropped hair, called “Dastur cut.”
He used to come to the hostel on his bicycle after 10.00 am, pay a surprise visit to rooms and catch those students red handed who wanted to take a furlough from classes. He would politely ask them to deposit fine in the college office. The moment student would try to defend, the fine amount would be doubled. He would also surprise us with his night visits to hostel and see that the students were properly dressed up, wearing shoes and studying properly, using table and chair. Those found wanting, had to deposit the fine the following morning, with no arguments. To inculcate good habits and discipline in us, he would often address us in the common room of hostel (Bramhaputra), especially during meetings of Alumni Association. Our Principal did not believe in having a canteen in the hostel. He was even very particular that we used knife and fork during our breakfast, lunch and dinner in the hostel dining hall. So, during night time, we wanted to have a break from our studies, we had little option, but to play Table Tennis or Carom in the common Room. The saving grace was that we had a Radiogram in the common Room, where we used to play LPs of some choicest Hindi songs and more of western numbers. By that time Beatles had become rage the world over, and our students had developed craze for western music. Frank Sinatra and his daughter Nancy, Rolling Stones, ABBA, Carpenters, Rosemary Baby, Cliff Richard, Simon and Garfunkel, Tom Jones and Beatles were the favorites. Our favourite numbers were Summer Wine, Takeela and Lara’s Theme. The best part of our hostel life was, that every week either some old Hindi Movie or Hollywood movie was screened in the lawns of Hostel (Bramhaputra). Having a very limited staff, our teachers along with their families would join us to watch the movies. We were able to watch most of the Hollywood movies of that era and past, like Ben Hur, Cleopatra, War and Peace, Lawrence of Arabia, Dr. Zivago, Guns of Naveron, Far from the maddening crowd, Bridge on River Kawai, Come September, The Young Ones, The Giant, Lust for life, Sound of Music, for a Few Dollars more, just to name a few, along with a scores of Westerners, dominated by John Wayne, Dean Martin including the brilliant movie, “How the West was won”. A Film Society comprising of students along with a staff advisor would do the selection and procurement of the films. Our Reading Room used to procure good magazines, including Time and Life magazine, which were rather our life lines to get connected to the world outside India. An International Training Programme, under the auspices of New Zealand Govt. (Under Colombo plan), had been offered by our Institute for the developing countries. On the last day of the training programme, the institute celebrated an “International Night”, followed by a grand gala dinner in the lawns of the hostel (Bramhaputra). Each Table had one student from each class from 1st year up to M.Sc. level, along with a senior staff member and a trainee. Well, I must say it was a small family of teachers and students, which is hardly possible now, with the institute having an acquired the size of a university. Similarly, groups of students from Ist year to M.Sc final year were clubbed together and attached to any particular teacher/ tutor, who would invite the group at his house for tea and snacks discussing some general problems faced by students. These were called Group Tutorial Meetings.

When I Joined NDRI, it was in the larger state of Punjab, with its boarders extending from J&K in North to Rajasthan in South and Uttar Predesh in East, and comprising of what now happen to be the three separate states of Punjab, Haryana and Himachal Predesh There was just one university, i.e. Punjab University. In 1965, NDRI Students participated in Punjab University Youth Festival, held at Ropar near Chadigharh. My classmate cum roommate, Sunil Nandi was a top class singer cum actor. In fact, he got a first prize in solo singing, for his song, “Pyaar ki aag main tanbadan jalgaya”, it was literary a “Kurta Phaad” performance, as he virtually tore his kurta at the end of his performance. Our college also bagged second
prize in group song, of which I was a team member. It was really great experience for me personally to attend and participate in such a huge Youth Festival.

The same year Pakistan also attacked India. The aggressor country declared that NDRI and Northern India's biggest medical store, both located in Karnal were bombed, which was indeed a fake news. But we did have to observe black outs during nights in the whole town, including our hostel. Whenever Siren was on, we had to rush down stairs and enter into trenches in pitch dark. Any boy trying to light a cigarette was hooted out in chorus. India won the war, but then came the shocking news about the death of our Prime Minister, Lal Bahadur Shastri, in 1966, immediately following the signing of Tashkant Declaration between India and Pakistan.

The craze for Law Tennis became more intense in the hostel after our Davis Cup Trio, Ramanathan Krishnan, Paramjit Lall and Jaideep Mukherjee reached the Challenge round in 1966 to play against Australia in Australia. That was when India's Tennis reached its zenith and created history, playing its Davis Cup Final against the world champions, Australia, captained by the one of the greatest Tennis player, Rod Lever. India went down 3 -2, winning one Singles and the double match. All the students were sitting in the hostel lawns and listening to the Tennis commentary with the rapt attention, from the Radiogramme put on full volume. Later that year, Punjab was trifurcated into 3 states and Karnal was bracketed within Haryana.

Much later during my journey through NDRI, I became either staff Advisor for Literary activities or Fine Art's Activities. After a gap of 4 years, the Student's Cultural Activities were resumed in the campus in 1994, which had been suspended following Mandal Agitation. I had the privilege of coining the title “REVERIE” for our All India Inter college/University Youth Festival. Since I was the literary Advisor, I restarted the College Magazine, also coining its new name “ENDEVOUR”. These Annual cultural cum Fine Arts cum literary Fests at NDRI have become very popular at National level, and institutions as far as down South are participating in these fests. Under the guidance of Prof., M. L. Madan, when he was Joint Director (Res) at NDRI, Karnal, our institute became “Karnal Chapter” for SPICMACAY, with Dr. M.L.Madan as its Patron, and I myself as its Secretary. Under this collaborative cultural programme, we had the previlded of bringing top most classical singers and classical dancers to perform at our institute. It also gives me a great feeling that I had been member of the committee which suggested that the various Hostels of the institute be named after National Rivers. All through my association with the students of Dairy Science College, both, as a Teacher and as Staff Advisor, I immensely enjoyed interacting with them. Some of my students in fact, nicknamed me as “Guru Kool”, while I feel proud to be associated with this temple of knowledge called NDRI, my own “Guru Kul”.

"Going through an Institution is not as important, as the Institution going through us is". Of course, I leave it to others to judge me, whether this great Institution has really gone through me.

T. K. Walli
Former Head, Dairy Nutrition Division
Avery moment that i spend with you
Every step that i take with you
Hang in time.
The moment divine
Make me oblivious to the world around.
Your warm breath on my lips is the only sound
That i hare.
But I fear.
What would happen if moment passes?
Would I be left with just a figure of gases?
But then you hold me,
And in your eyes I see
A passion so intense, so consummate
that it makes me want to take leap of faith.
So, for you I fall,
Knowing nothing at all
That love is not the remedy, it's the curse
For I love you, I miss you in my every verse.
For you I yearn,
With the passion I burn,
To hold you in my arms forever,
And take you with me on time less travel.

Yogesh

Time Less Travel

Endeavour 2019
Essence of Love for Nature

Himani Joshi

Endeavour 2019
Beyond the Walls of Classroom...
I believe in your soul and not in your face.
I look for your shadow, I strive for your trace.
The number of times I was being criticised,
I looked at you and always smiled.
You were the victim of my vulnerable talks,
Of all my dance moves, out of the box.
I have seen you making your hair,
Putting that bindi on social affairs.

But now the things have totally changed.
Now u always scare me, how strange!
You make me question my existence.
You make me remember my past experience.
All i can see now are the scars you have got.
Your beauty is lost in those acid bloats.
You horrify me all the time I see u in your face.
You have become a monster with no previous grace.

But still,
You! the person in my mirror,
You know what!
I still believe in your soul,
And not in your face.
I look for your shadow,
I strive for your trace.
You are still the most gorgeous I know
You have to nurture yourself, you have to grow.
You, the person in my mirror,
You are not made for tears.
You have to rise above every fear.
Because I believe in your soul,
Much more than those scars.
You have to rule the world,
Breaking all the social bars.

Niharika
Broadening Horizons beyond the curriculum...
NDRI organizes orientation programme for fresh intake of students every year, as part of student empowerment initiative. The goal is to have a holistic approach towards encouraging students in identifying their weaknesses as well as strengths as individuals, encouraging them to identify their interests in extra-curricular activities and promoting wellness through yoga. The programme is scheduled for a period of 30 days. Students admitted in to B.Tech, Master’s and Ph.D are mandated to attend these sessions. These sessions for students starts with tour of NDRI, to get a first hand knowledge of different facilities, research stations and other infrastructure established at the Institute. Speakers, excelling in different walks of life are invited to conduct workshops and share their ideas and views on varying aspects of life ranging from personality development entrepreneurship, women empowerment and soft skills. Students are encouraged to choose one among the clubs/groups like Literary, Arts & Crafts Theatre and Dramatics, Songs and Music, Dance (Classical or Western) and are mentored through experts in each of the groups. The daily scheduled activity under the orientation programme starts with mandatory yoga for all in the morning and ends with practice session as per different clubs, the students wishes to choose.

Mentors

| Theatre and Dramatics | Dr. Latha Sabikhi (Head, Dairy Technology Division) & Dr. Neelam Upadhyay (Scientist, DT Division) |
| Dance (Classical or Western) | Dr. Smita Sirohi (Head, DESM Division) & Dr. Richa Singh (Scientist, DC Division) |
| Songs & Music | Dr. Gautam Kaul (Scientist, DT Division) |
| Literary | Dr. P.N. Raju (Scientist, DT Division) & Dr. Udita Chaudhary (Scientist, DESM Division) |
| Art & Craft (Sculpture, Rangoli, Painting etc.) | Dr. Manoj Kumar Singh (Scientist, ABTC) |
| Soft Skills (Verbal and Written) | Dr. Meena Malik (Professor, English) |
| Sports | Dr. G. S. Meena (Scientist, Dairy Technology Division) |
| Swachhta Bharat Abhiyan | Dr. A. K. Singh (Principal Scientist, Dairy Technology Division) |
| Mass Ralley | Mr. Sanket Borad (Scientist, Dairy Technology Division) |
And,
Let's not say anything today.
Just sit and stare.
With oversized T-shirts and loose pyjamas,
Let's stretch ourselves under the midnight sky,
And feel the good winter vibes.

Allow the sights of wind
To make the noise.
Allow the chillness of night
To cold your spine.
Allow the crystalline dull night
To ignite the innocence in you.

Let's wait,
Till we see a shooting star,
Women Empowerment, Leadership and Social Entrepreneurship

A workshop under the auspices of NDRI-IDP was organised on 27th April, 2019 under the theme of ‘Women Empowerment, Leadership and Social Entrepreneurship’ to sensitise students about the gripping issues concerned with gender inequality, violence against women prevailing in the society and was also aimed at motivating students regarding entrepreneurship. It was presided over by Deputy Director General, Education ICAR.

The invited speakers were known for their contributions and efforts in empowering women facing the wrath of misogynist elements in the society.

**Laxmi Aggarwal:** The ‘Phoenix’ who rose back to life from ashes, delivered her ordeal of going through the acid-attack and life after that. A known voice for all the acid attack survivors across the world. Campaigned against sale of acid at the counters, which eventually led to its ban by Supreme Court of India. Was honoured with International Women Empowerment Award 2019 from IWES and UNICEF for her campaign Stop Sale Acid. Her untiring spirit and positivity towards life reflects in her words, when she says, “He threw acid on my face, not on my dreams.”

**Savita Singh:** Savita Singh is a Professor, School of Gender and Development, Indira Gandhi National Open University (IGNOU), Delhi. She joined the School in 2009 as its first director. As the founding director, she developed and structured the vision of Gender and Development Studies. In 2001, she made her mark with the publication of her first Hindi collection “Apne Jaisa Jeevan” (A Life Like its Own) to the wider acclaim of fellow poets and literary critics. The collection received Delhi’s Hindi Academy Award in the year 2002. A poet, writer par excellence, her focus has been on issues concerning gender equality and social justice.

**Bhasha Singh:** Senior journalist, well known for her work on manual scavengers, Dalits, minorities, women and marginalized sections. Focus of her work has been to discuss the linkages between social system and caste-based professions, social exclusion of Dalits, health conditions of scavengers and political apathy towards any sort of well-concerted attempts to bring them out of this practice.

**Niraj Gera:** Internationally acclaimed photographer. A photo journalist, businessman, traveler and volunteer at the Art of Living Foundation. He focuses his creativity in portraits, street photography and social documentary photography. Gera’s social documentary series, “Sacred Transformations” is a pictorial representation of the emotional journey experienced by survivors of acid attacks. He spoke about his experiences of meeting survivors of acid attack, the struggle they face to go through a normal life.
Poonam Rani: ‘Phirki of Indian Woman Hockey Team’ for her speed and control over the ball. At a tender age of 15, she overcame the hurdles of society to represent India on international format. Hailing from Umra village in Hisar district, this girl, who has represented India in around 160 matches in the last eight years, is considered as one of the most experienced and dependable players in the Indian side. Securing third position for India in World Cup Junior 2008, projected her as a gem in the sports world.

Sharad Sagar: An Indian Social Entrepreneur who advocates in creating a new-age leadership to overcome challenges of the changing times. Founder and CEO of start-up Dexterity Global which focuses on providing the best educational opportunities to every child in need. Sagar is the only Indian to be listed in the 2016 Forbes 30 Under 30 Social Entrepreneurs along with the likes of Mark Zuckerberg and Malala Yousafzai. He is the highest-ranked Indian in the List of the World’s Most Powerful Young Entrepreneurs for innovation in democratizing education and building sustainable impact enterprises.
ICAR-NDRI organised its 17th convocation on 23rd March, 2019 with Hon’ble Secretary, Department of Agricultural Research and Education (DARE) and Director General, Indian Council of Agricultural Research, Dr Trilochan Mohapatra as the chief guest.

Dr. R. R. B. Singh, Director, NDRI presented the progress report on the significant achievements made by the institute during the past year 2017-18.

Scientists and Students were honoured with awards under various categories, as follows:

- **Best Teacher Award** was presented to Dr. Narender Raju Panjagari, Scientist in recognition of his academic excellence.
- **Gold Medals** for securing highest marks during Ph.D., Masters and B.Tech programme to Dr. Man Singh, Mr. Digvijay Singh and Mr. Sandeep Baruah, respectively.
- ‘**Medals for Best Thesis Research Work**’ during Ph.D. programme were presented to Mr. Sushil Kumar, Mr. Mohd Iqbal Bhat and Mr. Sudhanand Prasad Lal.
- ‘**Medals for Best Thesis Research Work**’ during Master’s programme were presented to Ms. Neeru Jaglan, Mr. Shivam Panwar and Ms. Suchandra Dutta.
- Southern Regional Station (SRS) of NDRI, Bengaluru was adjudged as **Best Division**, for overall contributions in research and teaching by the faculty.
- Dr. Dharmendra Kumar, Scientist, Central Institute for Research on Buffaloes (CIRRB), received the **Dr. S.K. Sirohi Memorial Award** for his contribution in the research.
They won laurels...
I kiss the sun
On your forehead.
And the rebelled ocean
In your eyes.
Those patched lips
Are your jewels.
That harsh skin
Is your pride.

I see your messy hair
As a symbol of revolt.
And those chapped hands
Are the evidence of war.
The war of thoughts,
That you fight everyday
Within your head,
With the urge
To rise that sun.
But sets it again
For the fear of the world.

Bruised bodies,
Under that burqa
Too vague.
Chapped lips,
Covered by a smile
So fake.
Still you get up
Putting all the strength

In those crushed limbs.
But the sun sets again
As you like it this way,
With bruised bodies.
And chapped lips.

The demon is within you,
Much bigger
Than what you see outside.
And it outshines,
Whenever you take a step behind.
It’s high time
To break those bangles,
That hold your hands.
To crumble those knees,
That crush your limbs.
Clear the mascara.
Let the tears flow.
Remove the cages
Let your skin glow.

Let them see the bruised you
The chapped, crushed
And distorted you.
Rise the sun.
End this night.
Enter the new dawn.
That follows.

Niharika
आमवऱ हं जगण माण्य कराआअसंख्य स्वप्ने उराही धक्कन ती साक्षी करणण्यासाठी अविभाज्य रेल्वे रेल्वे धाक्काचारं रस्ता घड्डार्यांचा साता घड्डार्यांचा रस्ता म्हणजे मुंबई, जिथे प्रथम जन आपणेंतीला आकाशगंगाकडून समाजात आयूर्वेदिक आरोग्य सेवा सुविधेचे शाळा लांच्या जाणून घेतली आणि आपणेंतीला आयूर्वेदिक आरोग्य सेवा सुविधेचे शाळा लांच्या जाणून घेतली आणि आपणेंतीला आयूर्वेदिक आरोग्य सेवा सुविधेचे शाळा लांच्या जाणून घेतली आणि...
NDRI Global Alumni Scientific Meet was organised at NDRI, Karnal, from 15-17 March, 2019. The summit witnessed leaders from diverse fields sharing their inspiring story with students. Invited speakers included prominent personalities like Sonam Wangchuk, Founder SECMOL, Anand Kumar, Founder Super 30, Nitin Sluja, CEO Chaayos to name a few and entrepreneurs from various walks of life.
The summit also included technical session for students to exhibit research initiatives taken up in different aspects of Dairy & Animal Husbandry. Global Diary Expo was organised under the initiative of Farm Tech Asia, where exhibitors with expertise in Dairy processing & Technologies, Manufacturers of equipments, machinery related to Veterinary and Agriculture sector exhibited their products. Major Sponsors for the event were MANN Ventures, IDMC ltd. & Abbott Nutrition.
NDRI – A hidden Aviary

Every human on earth has, at some point of time in their life, dreamt of flying. Flying has always fascinated us, and we always envy when we see a bird fly past us. We wish people to come out with flying colours. This fascination has led to lot of inventions and discoveries but man has never come out of the trance of deriving pleasure form watching the magnificent fliers of our creator - the birds. Every bird, small and large, tiny and massive, teach us valuable lessons in life. They always spread their wings and fly into the vast sky leaving behind all that has happened for good. They show us how the problems seem very small when we look at them in their view. They have no boundaries and the whole word is beneath their wings, they never crave for territory, they never save for the future, they never care for the past, they live in the present with all the zeal.

Being a city dweller, bird sounds have always been pleasant to me. The chirping and crowing are refreshing and show me that is a reason to enjoy life however bad it may be. A bad observer can never be a great admirer and this holds good for me. I have never went beyond identifying crows and sparrows. I drew inspiration from my cousin who would forget himself if he ventures into a forest. He used to catch the minute sounds of tiny birds and keep listening to them until he finds out where the bird is and how it looks like. This kindled a spark in me, I started observing. I later realized how much I was missing or rather being ignorant about. I started listening to the little sounds surrounding me and eventually I was able to open my eyes and this is when I found that I have been blindfolded by my ignorance all along. This is the case with most of us. We fail to appreciate the nature around us. Going into the forest to spot tigers is not the only way we can relish nature. Deriving pleasure from the small things around can make our life interesting.

My initial efforts were not appreciable, which included only small walks around my house. The bouts of watching hours increased with walking hours. My brother helped me with my identification on our trips together to the nearby wildlife reserves and sanctuaries though this was only a part of our plan. Later bird watching has become a routine and this has helped me through the difficult part of my life at NDRI.

What you need, to be a bird watcher?

Your time, a guide and a great deal of patience are the three things that you need for spotting birds. The best time would the dawn and the dusk. In Karnal, sunrise and sunset vary according to the seasons. Proper lighting will aid in clear spotting of the birds and this can be achieved for only a brief period of a day. I am personally a self-taught bird watcher apart from the aid of the books and internet. A few applications on your smart phone will be a great guide in case you do not have someone in person with you. The patience is the major investment in spotting birds. The more time you spend watching something you find more details about the same and this holds good for spotting birds too. The bird which you see every day might someday reveal something that will leave you completely awestruck.

Owning a binocular and a camera with good lens can help you move on to a better level and spot birds better and identify them with precision, but this is only secondary to the interest that we develop towards this activity. Camera comes in handy when we are interested in documenting the birds that we have identified, other than that camera can help when we are unable to identify some species. The picture can be used to identify it later.
What you need to look for?

Once you spot a bird, first look for its size. The size can be classified according to the birds that we are already familiar with. The major classes will be the sparrow size, myna size, crow size and the stork size. All the birds that we spot will lie in either of these categories or may lie in between any of these categories. Classifying the birds in any of these categories is our first task.

The main factor that makes a bird attractive is the colour of its body. The next step in identifying a bird is to make note of the prominent body colours. Then move on to the colour of the beak/bill and then the legs.

The stance of the bird can also help in identification if two birds are found to have similar body and leg colours, since many birds are named after their stance.

The shape of their beak, their claws, the span of their feathers are the further details that can help us identify birds, but for beginners these will be too complicated, and we will not go into details of the morphology of the birds.

Where you need to look?

The next task is to observe the bird in its habitat. This includes the place where you find the bird, the water availability nearby, where they perch and what they feed. The birds can be classified as waders, perching birds, Duck-like birds, birds of prey, tree-clinging birds and night birds. There are two other category of birds - the flightless birds and the seabirds that are rarely or never be spotted in NDRI. Waders are birds that are always found in the marshy lands or in the water-logged fields. They do not immerse themselves in water but are always found around fertile areas. They survive on the small insects and worms that surface from the lands that are logged with water.

The hotspots in NDRI are the way to Animal Breeding Research Centre (ABRC) through Narmada hostel and through the gate near the farm canteen, the NDRI football ground where you can find nesting spots of Red-wattled Lapwing and Hornbills flying by, the water logged area outside the exit gate near ABRC on the highways where you can constantly find Moorhens wading, the open fields outside the ABRC where you can find White-breasted Waterhen finding its prey and Red-napped ibises building their nests on tall trees, the trees opposite to Cafeteria where you can find Robins happily fluttering their wings. These are just a few to mention and every tree or barren patch of land can be a great place to spot birds.
Obvious spotting

NDRI being a clean and green campus is a home to large variety of birds. A few birds can never be missed because either they are big or because we are already aware of their presence. The list of the obviously spotted birds reported by students of NDRI are Crow, Pigeon, Sparrow, Peacock, Myna, Parrot, Kingfisher and Eagle. These birds may seem very common but there are a few minute details that will add to your knowledge.

How to differentiate?

There are only a few birds that I have spotted in NDRI that seem to resemble. The Oriental Magpie Robin and Pied Bushchat are similar in colour and size but their stance can tell them apart, the Bushchat has its tail in continuation with its body while the Robin has an erect tail. The white-browed Wagtail though different in pattern may be confusing and can be differentiated from the above by watching it for a few seconds and true to its name will wag its tail continuously.

The Jungle and Grey babbler can be differentiated by the size and its eye colour. The Large Grey babbler is larger and has yellow eyes in contrast to the Jungle Babbler with white eyes.

The house crow has two distinct colours, dark on the dorsal part and lighter shade of grey on the underside, but the Jungle crow is uniformly black and larger in size. The Common Myna has a white patch on the cheek while the Bank Myna has a red one instead.

The Rose-ringed Parakeet are smaller than Alexandrine Parakeets and have black, pink and blue collar worn only by the males while the Alexandrines have a red patch on their shoulders.

The Large Egrets have yellow bill and black legs and have a gape, which extends well beyond the back of the eye but ends just behind the eye in case of the intermediate egret. Great egret walks with its neck extended and wings held close. The Great Egret is more patient, often adopting a sideways-leaning “one-eyed” stance.

The Cattle Egret has white-plumage, a yellow bill, and greyish-yellow legs during the non-breeding season and develops orange-buff plumage during the breeding seasons on back, breast and crown. Little Egrets have black coloured bill and legs that differentiate them from the other Egrets.

What I suggest?

Do wear shoes while you go bird watching because you might need to walk on grasslands and you might come across some unexpected friends who may cause some serious issues like the snakes. Do take a person who is less talkative with you since the more you talk the more you will concentrate on the talk and not on spotting. Do take a phone or a notepad so that you will be able to make note of what you need to check after coming back, be it identification or documentation. The ebird checklist is a good option where you can document the birds you have spotted. You can create an account and keep updating the birds you identify during your walks.

Acknowledgements

Considerable part of my life at NDRI has been spent on bird watching for which I have even got a few good companions, Paapu, Chechi, Madhu and Machi, who still accompany me during my walks. They have kept my desire burning even when I felt low. The binoculars my brother lent me was also a great motivation.

Nandhini P.B
भारतीय किसान

तुमने समझा कभी, उनका जीवन सफर।
खेत में है बना, उनके छोटे घर।
चाहते वो नहीं, उनकी दीवाना मिले,
हैसियत से भी ज्यादा शोहरत मिले।
फिर भी रहते नहीं कोई शिक्षके गिले,
ऐसी है उनके जीवन की शांत ओ सहर।
तुमने समझा कभी...........
रात हो या दिन हो, रहते खेतों में पढ़े,
छांव हो या धूप, रहते हर पल खड़े।
उनके पैरों में लाखे है छांवे पढ़े,
ऐसी है उनके जीवन की मुश्किल बड़गा।
तुमने समझा कभी...........

जो भी पैदा किया, थोड़ा सा रख लिया,
ताकि जलाता रहे, अपने घर का दिया।
खुश रहते हैं वो, गर थोड़ा भी खा लिया,
उनकी मालूम नहीं, कहा है लें और हिनर।
तुमने समझा कभी.........
उनके रहने से, कितनों की जीवन मिला,
शहर से गांव तक, पूल सा है सिला।
फिर भी पाता नहीं, मेहनत का सिला,
ऐसी अंजान सी, कटती उनकी उम्र।
तुमने समझा कभी.........

मनमोहन सिंह राजपूत

उजोल एसेंट

मनमोहन सिंह राजपूत

मनमोहन सिंह राजपूत

मनमोहन सिंह राजपूत

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Some Stuff About Biology & Love

Darling, there are few facts that you must know as a student of science, and there are many more that you must know as a cute human being.

There are three bearing mango trees & one guava tree outside our home. The guava tree is infested with the parasitic growth of a sacred fig tree.

After many years’ from today the "Bargad" tree will grow out. Ousting the guava tree it will finally be free but it won’t forget guava tree. It will always feel having been parented by the guava tree, and so it might actually become a hybrid of both the trees and so a love child hybrid tree would ultimately give shade and fruits to people in the future generation.

So should be the ideal love of a human being be inspired towards everyone including the ones who they love and fellow human beings - selfless and pure. A bargad tree is called sacred fig in English.

Atul Kaushal
Overseas Student Internship

NDRI offered overseas internship for the first time in the academic year 2018-19, for B.Tech students who excelled in their academics and extracurricular performance as a part of Institute Development Plan under National Agricultural Higher Education Project (NAHEP) jointly funded by World Bank and Government of India. The main objective of this program is to create enabling environment for enhancing students’ professional competence and impart real time experience by exposing them to facilities available at globally renowned institutions as well as global placement opportunities. Thirty one students from B.Tech 2nd and 3rd year classes were selected and interned for 6 weeks at nine top global universities in U.S.A (Purdue university, University of Georgia, Kansas state university and University of Illinois), Ireland (University of Cork, Tegase), Denmark (University of Copenhagen, Denmark Technical university), New Zealand (Massey University) between January to March 2019. Selection of the students was based strictly on merit and their participation in extracurricular
activities. Score cards was prepared which gives weightage for Academic score (50%), Taxonomical evaluation (20%), Extra curricular activities (10%), Sports and related activities (10%), Personal interview (10%). Students had an opportunity to work with eminent researchers and faculty across the globe which helped them to enhance their overall personality. Key Faculty involved in working out the internship programme was Dr. R.R.B. Singh, Director, ICAR-NDRI, Dr. S.K.Tomar, Academic co-ordinator, Dr.L. Sabikhi, Head, Dairy Technology Division Dr. S.A. Hussain, Scientist Dairy Technology and Dr. P.N.Raju, Scientist Dairy Technology

IDP Experience

After a series of written exam, form submission and personal interview, I was selected among the 31 students who could avail an opportunity of visiting a foreign country and I decided to go to the University of Copenhagen in Denmark. The Copenhagen University gave me a family of renowned, hardworking and caring professors and teammates. They not only taught me some new lessons regarding the training project and the way to refer and understand literature, but also the value of respecting my own commitments and made me aware about their peaceful working culture. I also got familiar with some international and Danish students and their unique education system and culture. I was glad to witness New Year meeting, lab tour and FOOD’s Security course. I also had an opportunity to visit some dairy processing plants comprising: cream cheese plant with 116 different recipes and ingredients including the one “Indiana”, 4-spray drying plants with a height equivalent to a 10-storey building, utmost hygiene and automation, the yellow cheese plant with 10 varieties and automatic design and an R&D industry.

This whole stay of 48 days helped me in my overall development and left me with lots of beautiful lifetime memories.

Diksha
IDP (Institutional Development Plan)- NAHEP gave us a life changing opportunity to visit University of Georgia, USA for a 45 days internship program.

The short training program played a vital role in not just our academic development but also our personal development. In terms of academics, we gained practical exposure as we worked on Sensory Evaluation Test, worked with MNC’s and also gained knowledge about different high-end equipment and techniques. We got a chance to interact with some international students and know about their culture, food, experiences and ideas. In terms of personal development, we enhanced the ability of adaptability, cooperation, management, patience and most importantly team work.

When we came back to India, we had a head full of life changing experiences and beautiful memories, a heart full of happiness and a phone full of our funny but memorable photos and videos. We all want to thank ICAR-NDRI for giving such a great opportunity.

Avineesh, Nawabi Deka, Priyam & Ridam

Japan-East Asia Network of Exchange for Students and Youths (JENESYS) Programme.

The JENESYS (Japan-East Asia Network of Exchange for Students and Youths) is a youth exchange programme taken up by the Japanese government with an aim of providing a foundation for strong solidarity within Asia, with participation from 14 Pacific Island Countries (PIC), Australia and New Zealand. Programmes are mainly composed of school visits and home stays to promote mutual understanding, friendship and trust through firsthand exchange with Japanese students and local resident.

Manpreet Singh, from NDRI was one among the 11 participants, who represented India for JENESYS 2018.
एक ख्वाब हो तुम
कुछ खास हो तुम..
एक पहचान हो तुम॥
कभी बहुत दुर,
कभी बहुत पास हो तुम॥
एक आस हो तुम,
जज्बात भी तुम॥
एक अनदेखा चेहरा ही
पर बरसीं की पहचान हो तुम॥
तमब्रा भी तुम और मंजिल भी तुम॥
ऐसा लगता है, कि जैसे मुझमें हो,
पर शायद एक ख्वाब हो तुम॥

बेफिक्री की धूप
एक अरसा गुज़र चला मस्तखों के दीर में,
कुछ दिन तो गुमनामी को पुकारियाँ भी लेने दो।

सबसे बेहतर होने की दौड़ में
कुछ दुर तो मंजिल की आस ना दो,
कुछ कदम तो बेफिक्री की पूंछ सेकने दो।

बेजान पुजारे के हृदय सा हो चला है शहर,
एक-आप को तो मिले बन जाने दो।

बहुत देख ली सितारों की चाँदचौंधा,
एक अंधेरी शाम तो दिवंगी के पुरुष से लेतने दो।

भीम में मुख्यराहट की ओट में पतली लकीरों की
एक बार तो कोने में बैठ ऊँचाओं से पिघलने दो।

तस्वीरों में तो बड़े जिंदाबादिय दिख लिए जयाब,
एक बार टेढ़े-मेढ़े दौंदी वाले बच्चों सा खिलखिलाने दो।

बुद्धि में न कह आज्ञाद किया है सोंबै खुशबू को मिट्टौक्से,
एक बीचरा तो जिंदगी की बरसाने दो।

जिंदा तो बहुत रह लिए गलिया, धोड़ा सा जी भी लेने दो।

Endeavour 2019
Snap Stories...
.....BEAUTY FOR ASHES.....

Introduction

It was dusk, Abe (Abheshek) is sitting at the beach and staring at the orange sky counting glittering stars that are about to born and enjoying life as it serves. To introduce Abe, He is an amiable person darling to, everyone. Nevertheless, life has been rough to him. Is from a small town could able to finish his graduation with much pain looking to get into higher studies he won a scholarship for post-graduation.

First choke

There he found a girl. Slowly he developed feelings for her lost his concentration in studies. She is beautiful and gorgeous. That time he doesn’t know that the world has set some standards for love. Initially, he thought she was staring at him and she falls for him, it went on for one year, he became lost in her thoughts and meanwhile, she started smiling and trying to talk scarcely to him. One fine day he proposed her to get married. And from that day her behavior changed, she didn’t accept and started avoiding, he could hardly understand his mistake. He lost in her thoughts couldn’t concentrate on studies, lost taste of food. Seeing his condition his friends approached her, but she said no word. His health deteriorated much and he lost his mind and wandering inroads with a grown beard. Became too skinny. But his dreams never left him. Friends took him to the hospital and he started recovering. Little by little he slowly recovered and back on the track.

The second choke

He has a strong desire of inventing anything that is helpful to mankind. He could able to finish few projects successfully. But funds being constraint he couldn’t move ahead. He approached many of seniors and best buddies, but they refused him and his Ideas. As the clocked ticked and seasons wrapped there were none who believed in him. On a rainy day a person by name Shyam, who believed in his abilities and ideas extended hand in building his dream. Soon they both found a storehouse located distantly and got leased and set it as a lab. He worked day and night very tough. There were sleepless nights, his continuous hard work deteriorated his health. He lost strength in his bones, became skinny and appeared half dead. Looking at his hopeless situation, Abe cursed himself, the panel of doctors reported the chances of survival are pretty less, again life has treated him unfairly. People yelled at him as a failure, his own people left him, he was in deep misery, and could not find hope. He was going through the valley of the shadow of death and there was no hope.

Ray of Hope

A few months later a doctor from Canada came to visit him. The doctor gave some chances of recovery and regaining health. Despite, again for one more time he needs a huge amount of money. With faith in relatives and friends he urged them for help but his efforts went in vain. Lying on bed with deteriorated health with tears rolling in his eyes, he subconsciously praying God for help. Miraculously doctor agrees to treat him with no money. Doctor took all his reports and sent them to his friends in USA, mean while medication for his ailment started. After 3 months his reports were fixed and treatment has begun. For almost three years the treatment went on. Because of sincere efforts of shyam, Abe could recover at the earliest otherwise it would have been four to five years.
The comeback
The ideas which never made him orphan are slowly coming to consciousness. His cognitive ability has pushed his thoughts to next level. In the process he started sharing his inventions with his fellow researchers, but they used to laugh at him. One night as he is waiting in the bus stop returning home from his job a car colored in blue stopped before him and asked to get in. In the car he found a lady and she introduced herself as CEO of New heights. She explains she is looking for bright innovative researcher that could help millions of people and then she heard about him and his diligence and later found him. They had different ideas in the car, eventually lady offered him some loan to setup and continue his lab. She becomes his best buddy

Fruits of success.
Years later the man becomes very successful in life and he won many patents and awards. Though his territory was very small initially, but later it has grown and he became renowned personality. The people who negated him mocked him stated respecting. He rose like the phoenix from ashes. He shares his story that every hard event that he faced has shaped him for the next episode in life. That is why people should evolve from life lessons, though life has been unfair to him nevertheless he respected life.

—MY TIME WILL COME—

Naveen Swaroop
ಹೊತ್ತಾಗಲಾಗುವುದು, ಸರ್ಕಾರದ ಕಲ್ಪನೆಯಲ್ಲಿ ಕಾರ್ಯಾಚರಣೆ, ವರ್ಧನ ವ್ಯವಸ್ಥೆ ಚಿಕ್ಕೊಂಡೆ, ಅಂಕಿಣಿಗೆ ವಿಶೇಷವಾಗಿ ಏಂದರೆ ಹೊತ್ತಾದ ಸಾಧನೆಗಳು ಅವರು ಸುಮಾರು ಒಂದು ವರ್ಷ. ಅವರು ವಾಸಃವನ್ನು ಪರಿಭೂಮಿಸಿದವು, ಎರಡು ವರ್ಷ ಪೈಸಿನ ಮೂಲಕ ಪ್ರತಿ ಪ್ರತಿ ಅವರು ವಾಸಃವನ್ನು ಪರಿಭೂಮಿಸಿದವು. ಅವರು ವಾಸಃವನ್ನು ಪರಿಭೂಮಿಸಿದವು, ಎರಡು ವರ್ಷ ಪೈಸಿನ ಮೂಲಕ ಪ್ರತಿ ಪ್ರತಿ ಅವರು ವಾಸಃವನ್ನು ಪರಿಭೂಮಿಸಿದವು. ಅವರು ವಾಸಃವನ್ನು ಪರಿಭೂಮಿಸಿದವು, ಎರಡು ವರ್ಷ ಪೈಸಿನ ಮೂಲಕ ಪ್ರತಿ ಪ್ರತಿ ಅವರು ವಾಸಃವನ್ನು ಪರಿಭೂಮಿಸಿದವು. ಅವರು ವಾಸಃವನ್ನು ಪರಿಭೂಮಿಸಿದವು, ಎರಡು ವರ್ಷ ಪೈಸಿನ ಮೂಲಕ ಪ್ರತಿ ಪ್ರತಿ ಅವರು ವಾಸಃವನ್ನು ಪರಿಭೂಮಿಸಿದವು.

"Just love life, just love your mother", Dedicated to all mother's.

Parashuram Kambale
Heritage of Bengal
मैं झूठ बहुत बोलती थी

जब भी तुम दूध के श्वसन की आवाज से देख के शावशाशी देती थी
गमले की दीवार की आवाज से देख के मुक्ता के देह से देती थी
मैं झूठ बहुत बोलती थी।

जब भी तुम दूध के श्वसन की आवाज से देख के शावशाशी देती थी
रात में छिपा कर अपनी ही चोट पर मरहम लगाती थी
मैं झूठ बहुत बोलती थी।

जब भी महंगी-सी बाजू के दर से
“सिर्फ दिल आपके दिल“ बोल कर तुम्हें पहनाती थी
मैं झूठ बहुत बोलती थी।

जब मेज चाकू के पास कर तुम बांधते की है कि तुम रह गई
जब मेज चाकू के पास कर तुम बांधते की है कि तुम रह गई
मैं झूठ बहुत बोलती थी।

जब हर बार फोन पर सिसकियाँ बुन कर
तुम बांधते जाती थी
भविष्य का जुमला कह कर आंसू पीछा लिया जाती थी
मैं झूठ बहुत बोलती थी।

जब नए जनाने का आगाज बना कर,
कमजोर ना दिखाने के लिए अपनी ही विधार्ष से नुकसान जाती हूँ
मैं झूठ बहुत बोलती हूँ।

जब नए जनाने का आगाज बना कर,
कमजोर ना दिखाने के लिए अपनी ही विधार्ष से नुकसान जाती हूँ
मैं झूठ बहुत बोलती हूँ।

जब नए जनाने का हवाला दे कर,
कमजोर ना दिखाने के लिए अपनी ही विधार्ष से नुकसान जाती हूँ
मैं झूठ बहुत बोलती हूँ।

जब नए जनाने का हवाला दे कर,
कमजोर ना दिखाने के लिए अपनी ही विधार्ष से नुकसान जाती हूँ
मैं झूठ बहुत बोलती हूँ।

एक दिन कह पाउँगी सारी तकलीफ़ तुमसे
झूठी शान के चंगुल से निकलने की कोशिश करती हूँ
मैं झूठ बहुत बोलती हूँ।

Rashika Srivastava
Swachhta Abhiyan
Adding colours to life...
Those mountains usually call me.  
Diving into the huge ocean is what I prefer.  
Those opportunities always seek me.  
Falling short of time is what I refer.

Rains are the blood to my roots  
Being rootless is what I demand.  
Rainbows are the necessity  
Devoid of the sunlight,  
I use to command.

I like wearing silver  
But I admire the gold  
A little less radiance  
But still I am bold.

Life is good sometimes  
The other times,  
How badly it behaves.  
Nothing sort of a game but,  
Sacrifice is what it takes.

*******
Here I am, in a dingy cell, surrounded by waters,  
Where all can I feel is her weaving a sweater.  
Her heartbeat is audible in this persisting silence,  
Waiting for me in this world full of violence.  
A heart filled with extreme sorrow  
A mind constantly thinking of my unsure tomorrow.  
Yes, she knows that I am of her kind

But hesitates to admit that it's an XX behind.  
She is afraid of whether he will accept me or not,  
Would treat me as his child or simply a bloat.  
But wait!!  
Is this her fate ??  
When one X belongs to his own plate.  
After All he is my father  
I am his daughter  
Surely not a thing to get slaughtered.  
Then why doesn't he understand,  
That I too deserve something grand.  
I too want to wear that sweater,  
To do something in my life more than just better.  
I too want to fly high in the sky,  
To the heights where no boundations imply.  
Deep in the depths of the sea,  
I promise, no stone would be left unturned by me.  
I want to be his garden's sparrow,  
And not someone with an unsure tomorrow.  
But still, I am here in this dingy cell,  
Waiting to see how humanity smells.  
I want to see my dad,  
who can kill someone  
Is he that bad ??  
I want to see my mom's hands,  
Who are still weaving those colourful bands.  
If somehow I would be able to persist  
Then I am pretty sure that humanity exists.  
That HUMANITY DOES EXIST !!

Niharika
Visitors

Mr. Upendra Kushwaha

Mr. Purushottam Rupala

Trainees From Nepal

Mr. Sonu Nigam

Trainees From Nepal

Visitors

From USA

Endeavour 2019
அமர

அஹ்மேத் பெர்னான் பான் வாத்து
வான் பாகாம் பட்டாகாம்
அன் மோசாம் மன்னர்..!

என் மேனிய அரசு
கான் காம்பவல்
பாஸ்வதியானூ அந்தார் பிரடந்தம்..!

மிருஷ பெஸ்வாவை குடாவியும்
சரத்கு எந்தவை திருநாடுக் கூர்கு பிள்ளா..!

அப்பட்டு பிறந்த பீட்ஜ்யால் அப்பட்டு
அய்யு பிரேஷ் பீர்வல் அன் மகபீ
சத்கசாகார்..!

குதராத்தியன் ப்டன்
த்ராவநதீன் பெண்டலா
காலார் கைக் கைம் வான் குவல்..!

என் மேனிய பெஸ்வா குடாவியும் திருநாடு
சம்பவியானூ அந்தார்

M.Maheswari
Activities Galore...

Selection of students under NAHEP-IDP

Sports Meet

SAPI Quiz Contest

Milk Day

Run for Unity
Activities Galore...

Dr. R. R. B. Singh, Director, NDRI with the winning team of National Dairy and Food Quiz Contest

Dr. R. R. B. Singh, Director, NDRI at the Workshop on Incentivizing Dairy Education

Session on Mastering Public Speaking

Session on Leadership Skills

Felicitations at Discourse on Disaster Management

Glimpse of Inaugural Ceremony of Vasantotsava
Medley of Elites: Unity in Diversity

Students representing different states at NDRi
(Admissions 2018-19)