

DEI Approaching  
'Pinnacle'; Ranked  
Amidst Top Hundred  
Universities: NIRF 1

Additional Secretary,  
MSME Visits DEI 2

DEI Wins Accolades at  
National Youth Festival 3

NCC Activities 7

Faculty News 3

Pantnagar  
Delegation  
visits DEI 8



Dayalbagh Educational Institute (Deemed University)

# DEI news

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## DEI Approaching 'Pinnacle'; Ranked Amidst Top Hundred Universities: NIRF

The National Institutional Ranking Framework (NIRF) appointed by the Ministry of Human resource development under the chairmanship of Secretary (HR), released the NIRF report 2018 on 3<sup>rd</sup> April this year. It was the first attempt to link the AISHE database with the ranking effort, data on Patents, perception from academic and Institutional Partners and weights somewhat different on a few parameters like Research in Colleges. All together 3954 institutions under nine categories; overall, universities, engineering, colleges, management, pharmacy, medical, architecture and law were registered for the rankings. Institutions, which got registered for India rankings 2018, provided data pertaining to five broad parameters viz; Teaching, learning and evaluation (TLR), research and professional practice (RPC), outreach and inclusivity (OI), graduation outcomes (GO) and peer and employer perceptions along with several sub parameters. DEI scored an overall score of 41.95 with TLR 64.14, RPC 5.05, GO 69.03, OI 61.36 and Perception 12.38 bagging the 90<sup>th</sup> overall rank among institutes in India, 63<sup>rd</sup> rank in the University and 69<sup>th</sup> rank in the Engineering category.







## Additional Secretary, MSME Visits DEI

The Additional Secretary, MSME Shri Ram Mohan Mishra visited DEI on 30 March 2018 along with Shri Paneerselwam and other officials from local MSME office. On arrival at 10 AM the Additional Secretary was taken to the Faculty of Arts. Here he visited the Departments of Apparel Manufacturing, Textile Printing and Drawing & Painting. He was highly impressed by the efforts and work of these Departments and commented that what the Government of India is still planning to do it has already been implemented here very



successfully. At DEI Quantum Jugaad he appreciated the outlet entirely managed by students. The Automobile workshop was the next stop where he witnessed the infrastructure facilities developed in collaboration with Yamaha available for the students to get hands on training. The 3D printing lab attracted his attention and the Additional Secretary saw the immense possibilities for the 3D printers for



micro and small industry operators. That the students have developed the 3D printers and one student has a startup for such printers impressed him. The DEI Dairy Plant and Goushala were his next stops. He was interested in developing a mini sustainable dairy project for the villages based on DEI model. At Dairy he appreciated the range of products being produced. All the officials accompanying him partook in different products and liked their taste immensely. The cleanliness at the cattle sheds, devotional music played for the cattle and names given for each cow were some unique features which he liked very much. The Herbal garden and the hitech poly house also impressed the Additional Secretary. Here he ate and enjoyed the taste of strawberries, mulberries and cherry tomatoes grown at DEI. The visit culminated at the bamboo crèche. The design, architecture and aesthetics of the crèche were found very attractive by him.



He was so impressed by his visit to DEI that he wrote in the visitors' book the following:

“मैं यहाँ पर आकर अत्यन्त प्रसन्न हूँ। यहाँ जो मैंने देखा है वह आश्चर्यचकित करने वाला है। शिक्षा की सम्पूर्ण व्यवस्था के कायाकल्प के बीज यहाँ वृक्ष का रूप ले चुके हैं।

मैंने राष्ट्रीय उद्यम अकादमी स्थापित करने की एक योजना बनाई है। मुझे ऐसा विश्वास है कि इस संस्था की पार्टनरशिप में इस संकल्प को कार्यन्वित करने में शीघ्र ही सफलता मिलेगी। मैं दयालबाग शिक्षण संस्थान को एक कम्प्रेहेंसिव पार्टनरशिप के लिए आमंत्रित करता हूँ। शुभकामनाओं के साथ”

## DEI Wins Accolades at National Youth Festival

Dayalbagh Educational Institute participated in 33<sup>rd</sup> Inter-university National Youth Festival held at Ranchi University, Ranchi, from 16-20 February, 2018.

DEI Contingent participated in five events and won the following Prizes :

S.No.	Name of Event	Prizes
1	Indian Light Vocal Solo	Second
2	Classical Solo Instrumental (Non Percussion)	Second
3	Classical Vocal Solo	Third
4	Collage	Fourth



## Faculty News

### Arts Faculty

#### DEI-KIEL One-Day Workshop Organized

A one-day workshop was recently organized by the Department of English Studies, DEI in collaboration with Christian Albrechts University (CAU), Kiel, Germany on 19 March, 2018 at the premises of (i-c-n-c)TALL, DEI. The topic was, ***“Indian Poetics in Translation: Bhasha, Dalit and Feminist Literatures in English”***. The workshop was attended by many teaching and non-teaching Faculty members of the Faculty of Arts along with the research scholars and students of Honours, M.A and M.Phil Programmes of the English Department. Some of the Literature lovers of Dayalbagh had also joined on the occasion. The key speakers in the workshop included Prof. P. Sriramamurty, Dr. Sonal Singh and Ms. Aakriti Agarwal from DEI and Prof. Anna M. Horatschek, Prof. Zimmerman and Dr. Justus Conrad Gronau from CAU. Each talk was followed by intensive

discussions by which the students and staff members were highly benefited. Dr. Sonal Singh was the Convener of the workshop and Dr. Namita Bhatia was the Co-Convener. Dr. Lowleen Malhotra did compering.

### Education Faculty

Prof. Archana Kapoor was invited as a Chief Guest for the inaugural address in the two-day national workshop on Understanding Self for professional empowerment organized by Motilal Ramnath Mahavidyalay on 9th Feb 2018. Prof. Kapoor also delivered a lecture on self- identification for professional development in BMV college Agra on 7th Feb 2018.

Dr. Sona Ahuja was invited to National Institute of Open schooling (NIOS) as an expert to record video lectures for DTH Channel, Swayam Prabha for ‘Assessment of Mathematics Learning at Elementary Level’ on 16th March, 2018.

### Students’ Achievements

M.Ed students of II and IV semester contributed in the preparation of Resource lessons and training of Entrepreneurial skills along with teaching under the guidance of Prof. D. Vasanta, Dr. Arti Singh and Dr. Sona Dixit.

### Engineering Faculty

#### Students’ Achievements

Sant Saran, B.Tech., Department of Electrical Engineering, was awarded the prestigious Best Innovative B.Tech. Student Project Award-2017, for his project entitled,







“Study of optogenetic control of neuronal signaling”, by the Indian National Academy of Engineering, with a cash prize of Rs. 10,000/-. As an awardee, he was also inducted as a Student Member of the Academy for a period of five years. He was also awarded the prestigious Shine-Catalyst Award with a cash prize for outstanding performance, by Cadence Design Systems Ltd., Noida.



### **SAMPRAVAH'18: *Where culture meets curiosity***

Recently, Dayalbagh Educational Institute organized a college cultural fest, Sampravah'18 from 6-8 April. The Tagline for this innovation fest was- ‘Where culture meets curiosity’. Sampravah'18 was organized by the students of Faculty of Engineering under the supervision of their teachers. The event was an absolute hit with the students, as it provided them an opportunity to showcase their multi-faceted talent. This fest included several competitions such as MUN, DEI's Got Talent, Crime Enigma, Master Chef, Gold Berg, Treasure Hunt, Hackathon Pitcher etc. The Pitcher competition was particularly interesting as it accorded the participants with an opportunity to present their unique ideas along with the models



designed by them. The judges lauded the brilliant efforts put in by the students, which they believed was a sign of their bright future ahead.



### **Science Faculty**

#### **Papers Published: 07**

The Chemistry Department has been sanctioned the FIST Grant worth Rs. 1.30 Crore by DST for the period 2018-2022. In this grant, the department has been sanctioned an Equipment grant to procure instruments like DTA-DSC, ICP-AES, and Thermal Desorption Unit along with an Infrastructure and Maintenance Grant.

The ISRO-GBP AT-CTM Project sanctioned to Prof. K. Maharaj Kumari and Dr. Anita Lakhani has been extended for the period 2018-2019 with an additional grant of Rs. 28.0 lakh.

A patent entitled, “A PHYSICO CHEMICAL PROCESS TO ENHANCE THE SORPTION EFFICIENCY OF LEUCAENA LEUCOCEPHALA SEED POWDER (LLSP)” vide No. 293876) has been granted for 20 years on 6 March, 2018 to Prof. Shalini Srivastava, Prof. M. M. Srivastava and Dr. Pritee Goyal of Department of Chemistry, Faculty of Science, Dayalbagh Educational Institute, Agra.

Eight Research scholars working in the field Photoelectrochemical water splitting along





with their supervisors (Prof. Sahab Dass & Prof. Rohit Shrivastav) visited Indian Oil Corporation R&D center, Faridabad on January 8, 2018, to gain the insight of state of the art research facility for hydrogen production and storage and to further plan the collaborative research work using the advanced facilities acquired by Indian Oil R&D Center for the purpose.

### Staff News

Prof Sahab Dass reviewed research papers for International Journals viz, Int. J Hydrogen Energy, Applied Catalysis B: Environmental, Electrochimica Acta, Nano Energy (all Elsevier Journals) and ACS Applied Material and Interface (American Chemical Society).

Prof. K. Maharaj Kumari reviewed research papers for Elsevier Journals namely, Environmental Pollution, International Journal of Sediment Research, Atmospheric Research and Science of the Total Environment.

### Students' Achievements

Ms. Anamika Banerjee, research scholar was awarded by ACS OMEGA (ACS Publication) for Best Poster, titled "Bioinspired catalyst aided  $\text{Fe}_2\text{O}_3$  for efficient hydrogen generation via photoelectrochemical water splitting" at International Conference on Advanced Nanomaterials and Nanotechnology (ICANN 2017), IIT Guwahati.



Ms. Pooja Chahar, research scholar in the Chemistry department was awarded the **Best Oral Presentation Award** in ESW V Annual National Conference on "Sustainable Development of Ecosystem, Wildlife and Heritage conservation for Human welfare" held on 30 & 31 January 2018 for the paper entitled- **Effect of Autoclave Pretreatment on Biohydrogen Production from Solid and Liquid Petha Waste.**

Ms. Sonal Kumari attended a short course on 'Atmospheric Remote sensing for Weather and Climate' from 2 to 12 Jan, 2018 at Indian Institute of Remote Sensing, Dehradun.



Saurabh Yadav presented a research paper on "Phytochemical studies on the leaf of *Madhuca longifolia* (folk plant) exploring Anti-melanoma activity: A Green Nano-technological Aspects" in International Conference on "Nanomaterials: Initiatives and Applications" from 9-11 March, 2018 at School of Studies in Environmental Chemistry, Jiwaji University, Gwalior.

### Social Science Faculty

A One-Day workshop on "Enhancing Mental Health amongst Teenagers: Role and Responsibilities of Counsellors" was organized by Dr. Radha Bhatia, Practicing Clinical Psychologist, New Jersey, USA on 2 February, 2018 from 11 am to 4 pm in the Department of Psychology. The interactive sessions gave the students exposure to the practical knowledge related to counselling.





### Staff News

Prof. Sanjeev Bhatnagar has completed two years research project under UGC Major Research Project XIIth plan on the topic “**A Study on the Role of Uttar Pradesh Financial Corporation in the Industrial Development of Micro, Small and Medium Enterprises in Agra Region**” in December 2017.

### Technical College

#### Papers Published: 02

Technical college organised an Industrial visit of final year Mechanical Engineering students to Noida and Manesar. Students got an opportunity to see and understand the working of various industries. In Noida, students got a chance to visit *Everready Industries*, *Varun Beverages plant* and *Bharat Petroleum Research Centre*. They got to learn about the procedure of production of batteries and cells in Everready plant. In Varun Beverages Plant, students were made aware about the various processes involved in making cold drink and glass bottles.



Various research aspects of fuel and petroleum were told to students in the Bharat Petroleum Research Centre. Students were taken to visit Maruti Suzuki and Jay Bharat Maruti Plants in Manesar. An engineer at Maruti Suzuki gave a detailed session and informed students about the various processes involved in production of a car by means of presentation and assembly line visit. In Jay Bharat Maruti, students learnt about the manufacturing process of various car components. the Training and placement cell of Technical College organised this trip with the objective of all round development of students. Students have been imparted with practical knowledge of their engineering discipline in these trips.

### Staff News

Shri Mayank Agrawal (Department of

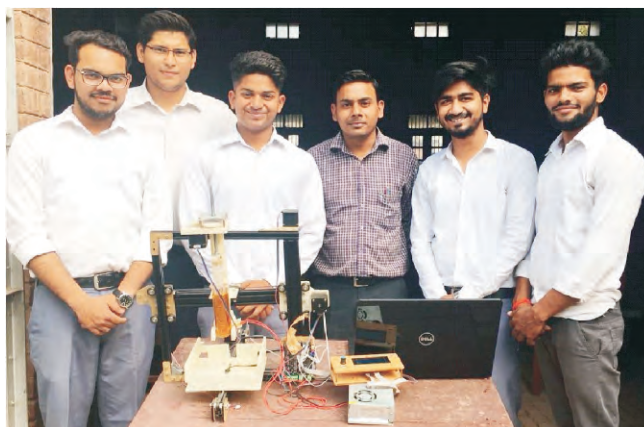
Mechanical Engineering), Technical College, DEI, attended the Global leadership round table workshop organised by The Indian Ceramic society western Uttar Pradesh chapter at Firozabad on 27 Feb'18 and presented a poster on “**Productivity improvement and capacity enhancement of ceramic industry**”. He was awarded third best paper by Mr. Mrityunjay Singh, Co-Chairman of Ohio Aerospace Institute Clevel, USA and the Director of Centre for the Development of Glass Industry (CDGI), Firozabad.



### Students' Achievements

The students of Final Year, Mechanical, Himanshu Singh, Gur Ratan Satsangi, Sachin Sharma, Sarthak Agrawal and Gopal Gautam participated in the State Level Model Exhibition Competition Organized by 'GLA University, Mathura' on March 10, 2018 and won the Second Prize.

They made a “3D- Chocolate Printer” under the supervision of Sh. Rajeev Satsangi. This Model was highly appreciated by the Vice Chancellor of GLA University and other dignitaries present on the occasion.





## Prem Vidyalaya

Guru Prasana of Class 8th received the 1st prize in Classical vocal music, Junior category, in a competition organised by Uttar Pradesh

Sangeet Natak Academy in Lucknow. Ashna Suri of class 8th came 3rd in the same category. This competition was organised on 11th March, 2018 at the regional level.

# NCC Activities

## Republic Day Camp 2018

The Republic Day Camp is the most prestigious camp in NCC and every cadet who enrolls in NCC, joins with this dream to take part in this prestigious camp. It is indeed a pleasure to mention that this year 5 cadets from our institute fulfilled their dream. **It is also worth mentioning that among 1900 cadets who took part in RDC 2018, DEI Technical College was the only one having 5 cadets from one institute.**



**SUO Rajat Taygi:** Rajat is perusing 2<sup>nd</sup> year B. Tech in Civil Engineering. Rajat has been given the **BEST CADET Award, 2018** of Uttar Pradesh Directorate. He was also nominated for the Prime Minister Rally. Rajat visited Chief of Army Staff residence for the High Tea organised for the group of selected RDC cadets. He was also the part of contingent that visited Raksha Mantri and Rajya Raksha Mantri's Residence during the dinner organised.

**UO Akhil Raghav :** Akhil is perusing 2<sup>nd</sup> year Diploma in Automobile Engineering, He was nominated for the Prime Minister Rally. He got the privilege to visit Chief of Army Staff residence for the High Tea organised for the group of selected RDC cadets.

**SGT Gopal Upadhyay :** Gopal is perusing 2<sup>nd</sup> year Diploma in Civil Engineering who, with his dedication and extra ordinary drill performance, made his place in the contingent of 148 cadets to march on Rajpath and give salute to the National Flag. He visited Rastrapati Bhavan and Prime Minister House at the Tea organised for selected RDC cadets.

**SGT Praveen Tyagi :** Praveen is perusing 2<sup>nd</sup> year Diploma in Voc. Automobile Engineering. He was nominated for the Prime Minister Rally. He was nominated as one of the pilot of RDC 2018 to escort dignitaries who visited the camp. He visited Tri Murti Bhavan for the High Tea Hosted by the Honourable Prime Minister.

**CDT Abhishek Mittal:** Abhishek is perusing 2<sup>nd</sup> year Diploma in Civil Engineering. Abhishek headed the team of cadets selected for centrally organised cultural events during RDC 2018. He was nominated for the Prime Minister's Rally march past contingent at Cariappa Parade Ground. He visited COAS residence for the High Tea Hosted by the Chief of Army Staff.

All five were felicitated with the cash award of Rs.1000/- and an appreciation medal by the ADG, UP Directorate.

## NCC WEEK (19<sup>th</sup> March – 24<sup>th</sup> March, 2018)

The basic idea behind organizing this week-long activity was to involve cadets who are



promoted to 3rd & 2nd year of NCC. The idea was to inculcate & enhance the quality of leadership and to organize NCC activities independently with limited resources. The cadets were divided into groups to organize and lead their activity independently.

The activities included Lecture and Poster Making Competition on “**SAVE WATER SAVE WORLD**”, Awareness rally on “**Swachhta Se Siddhi**”, Essay Writing Competition on 1. “**SAVE WATER SAVE WORLD**” 2. “**MY Dream City Agra**”, Awareness Rally on “**Save Water**”, Rally on “**Traffic Awareness**”, and Awareness rally on “**Anti-Tobacco**”.



## Pantnagar Delegation visits DEI

A team of Professors from GB Pant University of Agriculture & Technology visited D. E. I. from 15 to 18 April 2018. They had an extensive tour of the Institute and were highly impressed by the sense of belongingness and dedication of the faculty and staff. The Pantnagar team comprised of Dr H.C. Sharma, Dean, College of Technology, Dr Pandey, Head of Agronomy, Dr D.V. Singh, Head, Veterinary

Science, Dr Ranjan Srivastava, Head of Horticulture and Dr Rakesh Saxena, College of Technology. The team visited the fields at Dayalbagh in the morning and witnessed enthusiastic participation of community members in wheat harvesting. They also visited in the morning session the orchards and floriculture fields developed by the Department of Botany.



Appreciating a fig tree at Botanical Field



At Automobile workshop



Textile Printing lab



Surveillance lab



Waste management lab

## Editorial Board

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