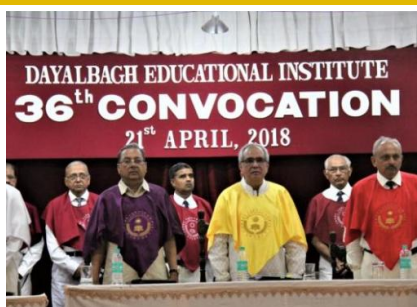




# ANNUAL REPORT 2017-2018

DAYALBAGH EDUCATIONAL INSTITUTE



## Table of Contents

Serial No.	Details	Page No.
1.	Our Past, Present and Future	1
2.	Administrative Report	17
3.	Institute's Achievements	21
4.	Staff and Student Strength and Composition	22
5.	University Finance	32
6.	Faculty of Arts	35
7.	Faculty of Commerce	48
8.	Faculty of Education	53
9.	Faculty of Engineering	57
10.	Faculty of Science	64
11.	Faculty of Social Science	90
12.	Schools and Colleges	102
13.	Seminars and Conferences	126
14.	Activities at DEI	130
15.	Distance Education Programme	145
16.	Students' Placements	149
17.	DEI as Others View it – Visitor's Remarks	150
18.	Annexure-I	154



**Prem Kumar Kalra**  
DIRECTOR

**दयालबाग एजुकेशनल इंस्टीट्यूट**  
(डीम्ड यूनीवर्सिटी)  
**DAYALBAGH EDUCATIONAL INSTITUTE**  
(DEEMED UNIVERSITY)

**FROM THE DIRECTOR'S DESK**



Since The Dayalbagh Educational Institute (DEI) was conferred the status of a Deemed to be University way back in 1981 by section 3 of University Grants Commission Act 1956, it has earned its reputation and is well recognized for its innovative education policy, multidisciplinary and transdisciplinary teaching and research. 'Excellence but never at the cost of social relevance' has been the guiding principle of this institute which is well reflected in academic activities, research output, societal contributions and innovations. The uniqueness of this institute lies in combining vocational and skill education with the mainstream education having tremendous commitment for green-environment, women empowerment, inclusive growth and social justice. The million dollar question today is: who will provide education to the last, the lowest and to the lost?

Our institute aims at holistic development of a student: physically fit, mentally agile and spiritually blissful. Therefore, our system emphasizes the importance of connecting students to society at large, so that they can learn to empathize with their fellow citizens and give first-hand experience of the problems and challenges at the grassroots level. The world is full of universities where students excel in their academic growth. Here, students along with faculty members and doctors conduct weekly medical camps where they get opportunity not only to extend required help to villagers but also help the village children to tap their talent and interest through creative activities offered in a cafeteria mode. The knowledge earned by a student is disseminated in a nearby community and society. Thus learning no longer remains academic only depending on the classroom analysis but the 'class goes to mass'. By the application of classroom learning, a student benefits the nearby community. The economy of the community moves forward towards prosperity.

Education for all in real sense is imparted translating Tagorean vision "*where the knowledge is free; the mind is without fear and the head is held high*". Here the head is high because each student can choose the pathway of satisfactory living and learning as per his/her requirement.

  
(Prof. Prem Kumar Kalra)

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# Executive Summary

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DEI was accorded the status of an Institution Deemed to be a University by the Government of India, under Section 3 of the UGC Act of 1956, and under Section 3, 12B on March 28, 2018. DEI is also an ISO:9001-2015 certified Institute since January, 2017. The Institute has since been accorded the membership of the Association of Indian Universities. The Institute comprises faculties of Arts, Commerce, Education, Engineering, Science and Social Sciences, twenty two departments and three non-university colleges, the DEI Technical College - a diploma level Engineering Institution for boys and a Women's Polytechnic for girls, the DEI Prem Vidyalaya Girls' Intermediate College, and the REI Intermediate College. DEI also manages both academically and administratively, schools in Madhya Pradesh, New Delhi and Roorkee. The Institute offers several vocational courses a major programme of Distance Education to benefit students residing at urban-suburban interfaces. In the year 2015, Dayalbagh Educational Institute was empanelled as Government Training Partner (GTP) with Uttar Pradesh Skill Development Mission (UPSDM), Department of Vocational Training & Skill Development, Uttar Pradesh State Government to train youth in various vocational skills. A Deen Dayal Kaushal Kendra was sanctioned to DEI by MHRD to offer B.Voc., M.Voc. and PhD degrees in skilling. DEI is the only institute in the country running nine Bachelors program in vocation. These vocational programs integrate student run, on campus Enterprises. The Institute offers around 75 programmes at Certificate, Diploma, UG Degree, PG Diploma, PG Degree and Research degree levels. The Institute also has several Off-Campuses at Delhi, Melathiruvenkatanathapuram, Timarni, Bengaluru, Murar, and Amritsar.

The vision and mission of the Institute is to emerge as a leading teaching-cum-research Institute with focus on Entrepreneurial Education and Consciousness Studies and envisages to become a model Deemed to be University that believes in excellence with social relevance, imparting values-based and quality education, with the objective of reaching the last, the least, the lowest and the lost; contributing to nation and community by empowering weaker sections, women and children, building the economy through research and frugal innovation anchored in the principle of achieving more with less

The Dayalbagh Educational Institute follows a unique scheme of innovative, comprehensive, interdisciplinary and value-based education that fosters academic excellence along with holistic development, at university and non-university level for both-general and technical education. The educational system aims to provide affordable quality education to all sections of society, irrespective of the student's caste, colour, race, and gender. It aims to prepare individuals with emotional and spiritual strength who can contribute to development of their community and nation. A multi-disciplinary approach prepares students for an increasingly techno-oriented society, connecting them with agriculture, and valuing the dignity of labour. Students imbibe basic values of humanism, secularism and democracy through an exposure to the principles of all major world religions, and better understand their own cultural heritage.

The Institute offers a broad spectrum of central facilities to its students. These include Central Library, Computer Centre, Games and Sports facilities, Hostels, Language Laboratories, Medical and Health Care Centre, Multimedia Laboratory, Non-Resident Students' Centres and Canteen. 'Quantum and Nano-Computing Virtual Centre'(QNCVC), a multi-disciplinary research centre has been set up in the Institute, under Ministry of Human Resource Development, Govt. of India, through its National Mission on Education. The Centre has IIT Kanpur, IIT Delhi and IIT Madras as partners besides several international collaborators. The 'Centre for Consciousness Studies (CCS)' has also been established



to undertake research pertaining to this fast emerging domain of knowledge. CCS hosts on regular basis leading luminaries in the field from across the world for lecture series, focused workshops and seminars/conferences.

DEI was ranked at 5<sup>th</sup> place under the 'Swachhta' Ranking 2017 of Higher Educational Institutions. It is also the only University in UP found to be fulfilling all basic cleanliness parameters required for the ranking. DEI scored an overall score of 41.95 with Teaching, Learning and Evaluation (TLR) 64.14, Research and Professional Practice (RPC) 5.05, Graduate Outcomes (GO) 69.03, Outreach and Inclusivity (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 according to the results of survey made under NIRF-2018.

A MoU was signed between DEI and YS Parmar University of Horticulture and Forestry, Nauni, solan to set up a model lab and establish a training and research centre in medicinal plants for students of Upvaid and Ayurved. An agreement for academic cooperation was signed with the College of Engineering, College of Agriculture and Natural Resources and the College of Education, Michigan State University.

During the financial year 2017-18 the UGC sanctioned Rs. 4113.50 lakh as Maintenance Grant and Rs. 1554.91 lakh as Capital Assets and Revenue. The UP Government sanctioned a grant of Rs. 1744.74 lakh as regular Salary grant and Rs. 11.87 lakh for the National Service Scheme. The income from investment from non-government sources amounted to Rs. 808.20 lakh. There are 21 ongoing Projects sanctioned by various agencies like DST, MHRD, UGC, ICSSR, ISRO, MNRE, DBT with a total fund of Rs. 1319.62 lakhs. During the session 2017-18, 81 research scholars were distributed fellowship from various agencies amounting to Rs. 90,16,709 lakhs under various schemes like UGC Research Fellowship, NET-JRF, CSIR-Fellowship, ICSSR-Doctoral Fellowship, Maulana Azad Fellowship, Rajiv Gandhi National Fellowship, Swami Vivekanand Single Girl's Child Fellows to name a few.

In the 36<sup>th</sup> convocation, 2209 students were awarded degrees, 811 students received diplomas and 505 students were given certificates. 81 Students were awarded the degree of Doctor of Philosophy and 83 students were endowed with the Director's Medal for securing highest marks in various UG and PG courses. Mahima Sinha and Anuja Shukla were awarded the President's Medals for securing highest grade points in All Undergraduate and All Postgraduate Examinations, 2017 respectively. For being the best All-Rounder among the First Degree Students of the Institute graduating in the year 2017, Nagma Markan and Mahima Sinha were conferred with the prestigious 'DEI Founder's Medals'. The DEI Alumni Award-2017 was conferred to Smt. Mala Srivastava (IAS), Smt. Saroj Prashant (an active Social Worker) and Prof. R.N. Mehrotra (Member of the various bodies of DEI).

New Programs in B.Voc. in Water Sanitation and Solid Waste Management, B.Voc. in Agricultural Technology, B.Voc. In Internet of Things and MBA in Agricultural Management and a 2-year Diploma in Elementary Education (D.El.Ed) were introduced in the session 2017-2018.

Students of the Professional and Certificate Courses got well placed in leading companies like Infosys, Tata Consultancy Services, Headstrong, Genpact, Concentrix, Maruti Suzuki, Timex group, Fiat Motors to name a few while students graduating from the Bachelors of Education Programme, PG and Ph.D. got recruited in various schools, colleges and R & D Labs.

# Our Past, Present and Future A Tradition of Excellence

---

For over 100 years, the Dayalbagh Educational Institute has been sharing knowledge and cultivating the brightest minds. Today, we are one of the best Institutes.

The Dayalbagh Educational Institute is situated at DAYALBAGH, located on the northern outskirts of Agra at a distance of about two kilometres from the city of Agra. Dayalbagh is a self-contained colony well-known for its serene environment, secular establishments, like, the industries, the educational institutions, the agriculture farms, etc.



## Vision and Mission

**A leading teaching-cum-research Institute with focus on Entrepreneurial Education and Consciousness Studies**

A model Deemed to be University that believes in excellence with social relevance, imparting values-based and quality education, with the objective of reaching the last, the least, the lowest and the lost; contributing to nation and community by empowering weaker sections, women and children, building the economy through research and frugal innovation anchored in the principle of achieving more with less

## Past: Laying a Foundation for Excellence

After the foundation of Dayalbagh in 1915, the Radhasoami Satsang Sabha, in pursuance of the lofty ideal to evolve the superman of tomorrow, started the Radhasoami Educational Institute, as a co-educational Middle School, open to all, on January 1, 1917. Administered by a Managing Committee registered under the Societies Registration Act XXI of 1860, the Institute, since the very beginning, combined the pursuit of academic studies with sensibilities involving moral and spiritual values. From the modest beginning, the nucleus not only grew breaking the barriers, spawned new institutions, as per the needs of the society and the demands of the time. Within six months, it was raised to the level of a High School; Intermediate classes were started in 1922; it became a Degree College in 1947 with the introduction of B.Com. Classes affiliated to Agra University; BEd (B.T.) classes were added in 1951 and the first batch of BSc students took their final examination in 1955.



A Technical School, which later developed into a College, was started in 1927 for imparting training in Automobile, Electrical and Mechanical Engineering, leading to the award of diplomas in the concerned branches of Board of Technical Education, U.P. The Leather Working School which was started in 1930, gives instructions in both theory and practice for the manufacture of leather goods. To further the cause of women's education, Prem Vidyalaya was started in 1930. It is now an Intermediate College for girls. The Women's Training College was established in 1947 with BA and BEd Programmes. Subsequently, in 1958 MEd, in 1969 MA (Psychology/English/Hindi) and in 1976 MA (Music) Programmes started. It made phenomenal progress to become one of the premier women's colleges in the country. Engineering College, affiliated to Agra University, for the degree of BSc (Engineering) in Electrical and Mechanical Engineering branches, was added in 1950 to the chain of educational institutions in Dayalbagh. A significant development of far-reaching consequence, in the history of education at Dayalbagh, was the establishment of the DAYALBAGH EDUCATIONAL INSTITUTE as a registered body in 1973, which integrated and brought under one umbrella all the educational institutions of Dayalbagh, including the School of Comparative Study of Religions, the School of Languages and the School of Art and Culture. In 1975, the Dayalbagh Educational Institute formulated an innovative and comprehensive programme of undergraduate studies which received approbation from the Government of Uttar Pradesh and the University Grants Commission, as a result of which, in 1981, the Ministry of Education, Government of India, conferred the status of an institution Deemed to be a University on the Dayalbagh Educational Institute, to implement the new scheme. In 2009, the Dayalbagh Educational Institute was placed in the **First Category** of 38 "Deemed Universities" among 126 "Deemed Universities" reviewed by the Ministry of Human Resource Development (MHRD), Government of India and was adjudged to be at the 8th rank among the 126 "Deemed Universities". In 2013, the National Assessment & Accreditation Council (NAAC) assessed the Institute and placed it in the category of 'A' Grade Universities. Recently, the

Institute has been included in the list of "Deemed to be Universities" under section 12B of the UGC Act, 1956. The University has been awarded the ISO 9001: 2015 Certification. According to NIRF Ranking declared by Ministry of Human Resources and Development, the Institute is placed at 63rd rank in the Category of University, 69th rank in the Category of Engineering and 90th rank in the Overall Category out of 957 Institutions.

## Present: An Institute *sui generis*

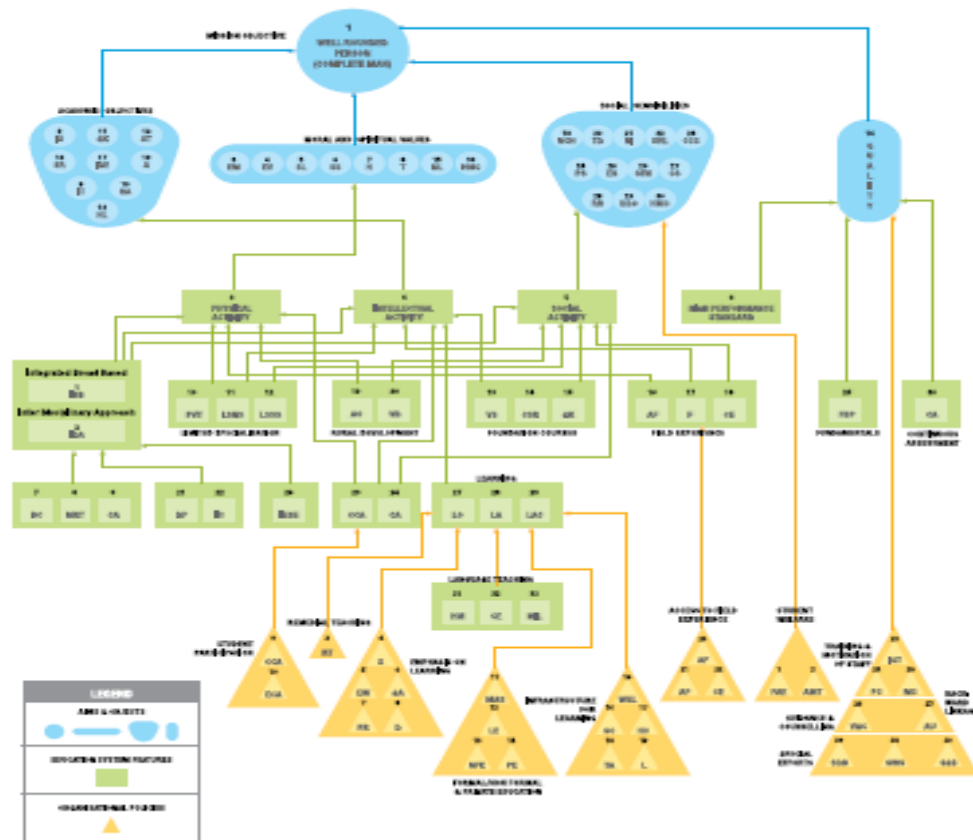
### The DEI Education Policy

The DEI Education Policy was conceived, planned, formulated, crystallized and executed by the Supreme Teacher Param Guru Dr. MB Lal Sahab and was articulated in 1975. It laid down the following foundational concepts:

- Physical, intellectual, emotional and ethical integration of an individual to help
- Evolve the complete man with values of humanism, secularism and democracy, to better equip him to solve social, economic and environmental challenges.
- Truthfulness, temperance and courage
- Ideals of humility, simple living, selfless service and sacrifice
- Habit of learning by developing the faculties of thinking, analysis and reason
- General awareness and knowledge
- Best in class-relevant education
- Scientific temper
- Respect for 'soiled hands', dignity of labour, and, self-reliance
- Study of the classics, and pride in national culture and heritage
- Shaping each student for a calling suited to his aptitude, skills and the needs of society
- Understanding of various beliefs and faiths, which fosters an attitude of tolerance and national unity
- Engendering the spirit of 'Brotherhood of Man', and promoting the establishment of a classless and casteless society
- Fuller understanding of rural life, to appreciate the polity, economy and the social forces at work in our country
- Democratic values and freedoms which an Indian citizen should be prepared to defend ,,, respect for the rights of others and an awareness of duties and obligations to society
- Strong character and high ethical standards



### Interpretive Structural Model for Educational Policy of DEI



Committed to providing a high quality cutting edge academic environment for its students, DEI's educational programmes provide opportunities for creativity and hands-on work experience on live projects, woven in with a strong value system. DEI endeavours to achieve quality in Higher Education through the Total Quality Management framework shown in the figure below.



**A Conceptual Model for the Total Quality Management (TQM) Framework in Higher Education**  
(Professor P.S. Sohangi, Chairman Advisory Committee on Education, Dayalbagh Educational Institutions and former Director, DEL 20002, TQM in Higher Education and Technical Education)

The DAYALBAGH EDUCATIONAL INSTITUTE was declared as an institution *Deemed to be a University* from the session 1981-82, under Section 3 of the University Grants Commission Act, 1956 (3 of 1956) by the Government of India. The Institute has since been accorded the membership of the Association of Indian Universities. The Institute comprises faculties of Arts, Commerce, Education, Engineering, Science and Social Sciences, twenty two departments and three non-university colleges, the DEI Technical College - a diploma level Engineering Institution for boys and a Women's Polytechnic for girls, the DEI Prem Vidyalaya Girls' Intermediate College, and the REI Intermediate College. DEI also manages both academically and administratively, schools in Madhya Pradesh, New Delhi and Roorkee. The Institute offers several vocational courses a major programme of Distance Education to benefit students residing at urban-suburban interfaces. In the year 2015, Dayalbagh Educational Institute was empanelled as Government Training Partner (GTP) with Uttar Pradesh Skill Development Mission (UPSDM), Department of Vocational Training & Skill Development, Uttar Pradesh State Government to train youth in various vocational skills. Also a Deen Dayal Kaushal Kendra was sanctioned to DEI by MHRD to offer B.Voc., M.Voc. and PhD degrees in skilling. DEI is the only institute in the country running nine Bachelors program in vocation. These vocational programs integrate student run on campus enterprises. The Institute offers around 75 programmes at Certificate, Diploma, UG Degree, PG Diploma, PG Degree and research degree levels.

DEI believes in shared responsibility and accountability to bring out the best in others. Hence, decentralization has been adopted to take education to the doorstep of the learner. This has resulted in many Off-Campuses being developed at Delhi, Melathiruvankatanathapuram, Timarni, Bengaluru, Murar, and Amritsar.

The Institute offers a broad spectrum of central facilities to its students. These include Central Library, Computer Centre, Games and Sports facilities, Hostels, Language Laboratories, Medical and Health Care Centre, Multimedia Laboratory, Non-Resident Students' Centres and Canteen. 'Quantum and Nano-Computing Virtual Centre'(QNCVC), a multi-disciplinary research centre has been set up in the Institute, under Ministry of Human Resource Development, Govt. of India, through its National Mission on Education. The Centre has IIT Kanpur, IIT Delhi and IIT Madras as partners besides several international collaborators. The 'Centre for Consciousness Studies (CCS)' has also been established to undertake research pertaining to this fast emerging domain of knowledge. CCS hosts on regular basis leading luminaries in the field from across the world for lecture series, focused workshops and seminars/conferences.

The Dayalbagh Educational Institute follows a unique scheme of innovative, comprehensive, inter-disciplinary and value-based education that fosters academic excellence along with holistic development, at university and non-university level for both-general and technical education. A multi-disciplinary approach prepares students for an increasingly techno-oriented society, connecting them with agriculture, and valuing the dignity of labour. Students imbibe basic values of humanism, secularism and democracy through an exposure to the principles of all major world religions, and better understand their own cultural heritage. The educational system aims to provide affordable quality education to all sections of society, irrespective of the student's caste, colour, race, and gender. It aims to prepare individuals with emotional and spiritual strength who can contribute to development of their community and nation.

Dayalbagh Educational Institute's (DEI's) values education based quality policy is exquisitely configured on its aims and objective of bringing about the physical, intellectual, ethical and emotional integration of an individual with a view to evolving a well rounded complete person. The education policy of the DEI since its genesis with its long range vision for the progress of the nation has been delivering excellence without compromising on its relevance in the changing times.

Today DEI integrates six pillars of education from pre-nursery level onwards with skill pathways at all levels of education. DEI's unique dual (conventional and skill based) pathways of education with provision for multiple entry and exit points, providing access to higher education to learners from all walks of life at affordable cost. With 6 faculties, 21 departments and well equipped laboratories, DEI harnesses its societal connect and actively feeds back its best research outcomes and experiential knowledge to the society and rural communities. DEI strives to develop respect for soiled hands and uphold the dignity of labor in its students. Unique schemes for student welfare like 'Earn while you learn' have sown the seeds of responsibility and self-reliance in the pupils of DEI.

The Institute stresses on combination of excellence in research with relevance to the contemporary needs of society, the nation, and the world at large. At the local level, DEI collaborates with the local community, government and non-government organizations to solve problems, facilitating engagement in experiential learning opportunities for students and scholars, allowing them to return to the community. Internationally, DEI partners with institutions that can help extend its global reach and transfer knowledge in the field where DEI plans to focus its research. DEI has established International collaborations and MoUs with several Institutes in Asia, America and Europe. These collaborations have led to joint conferences/seminars and workshops, exchange visits of faculty and students, shared projects, publications, training of manpower and common curricula / courses. Strong support of alumni and friends of DEI has enabled setting up remote learning centers across 400 centers in India and abroad. Objective of these learning centers is to provide access to education to the least on the last mile.

Skill development and entrepreneurship are integral to the Academic Program of DEI, since inception in 1917. In recent years, DEI has launched several vocational courses, in sync with one of the primary objectives of the Government of India: producing a highly skilled workforce for nation building. DEI now is one of the single largest skill providers in the country. DEI has also been recognized by the MHRD and the Government of UP as a key public sector agency for vocational training. The Sector Skill Council of Green Jobs has certified DEI as the best Solar Skill Training Institute. DEI took a quantum leap in the arena of entrepreneurship development through well-established laboratories and Skill Parks in various fields, viz. Automotive Workshops, Apparel and Toy Manufacturing, Agro & Dairy Business, Consciousness Studies etc. An intelligent marketing network was established, connecting rural and tribal zones to global economies. Setting up e-Portals and Business Advisory Clinics has also opened novel avenues for entrepreneurship to the students of DEI. DEI has set up rural resource centers/ incubators called karkhanas in the rural zones to accelerate entrepreneurial activities:

#### **ATMA (Apparel and Toy Manufacturing Karkhana) :**

In this karkhana well experienced faculty from the DEI visit and train rural women on garment stitching and soft toy making. Rural and tribal women now regularly stitch ready to wear female uniform for the students. The products made while training is marketed by DEI and labour cost / stipend given to the rural / tribal learners.

#### **ADyNaM (Agri Dairy Nano Processing of Multi-products) Foods**

ADyNaM has facility for processing of the agricultural and dairy based raw produce to make secondary products. Women are trained on production of pickles, chutney, amla candy and squashes. Recently, a Level-1 food testing laboratory has been setup to implement quality control and to comply with the food safety standards.

#### **AAM (Automotive and Multiskill) Karkhana**

This karkhana is aimed at developing skills in repair, maintenance of two wheelers, tractors, farm equipment and solar systems.

## Future

**Emerge as one of the leading inclusive, regionally focussed Institute with excellence in specific disciplines with strong societal outreach and delivering holistic education to every aspiring learner**

### Broadening and Deepening our Discipline Offerings Introducing an Audacious New Curriculum

DEI has always advocated and is practicing 'excellence with relevance.' DEI envisions to be a leading teaching cum research institute in Consciousness studies and Entrepreneurial education with emphasis on agriculture, dairy farming and healthcare. In DEI this pursuit is carried out through study of consciousness which brings together teachers, researchers and students from various disciplines like psychology and cognitive science, physics, mathematics, life science, language studies, Arts and music, engineering management etc. to brainstorm on the complex problem of consciousness and ultimate reality. Rigorous scientific research is being carried out to understand the experiential science through experimental techniques.

### Working towards a sustainable world The 'SIGMA SIX Q' Approach

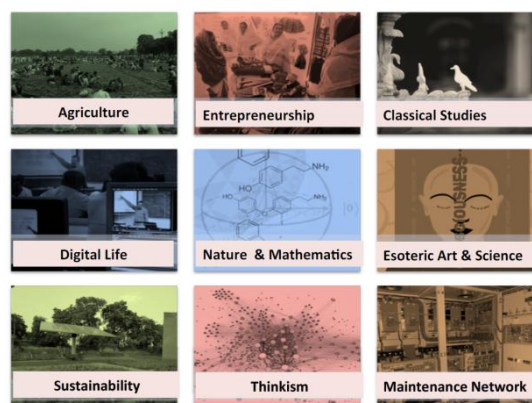
Research and technological advancement benefitting the immediate social fabric is common to the community of DEI. Mostly the research focus has been on developing methods, procedures or technologies that are customized for Indian societies that are cost effective to ensure equal penetration at every social level aiming at the overall enhancement of quality of life of the masses. This approach at DEI termed as the SIGMA SIX Q approach strives to achieve excellence through quality, values, innovation and creativity. This approach weaves the SIX basic yarns important for better livelihood giving emphasis on research towards improving the QUALITY (Q) of life. The areas of research focus are:



### Research with Impact, Engaging with our Communities

Based on the distinguished past, present academic wealth and in anticipation of future global challenges, DEI has identified nine emerging multidisciplinary research areas, Agriculture, Entrepreneurship, Classical Studies, Digital Life, Nature and Mathematics, Ecoteric Art & Science, Sustainability, Thinkism and Maintenance Network. These areas are globally deliberated by technologists to address the *locus standi* of humans in the era driven by super-intelligent machines and break the traditional boundaries of departments and faculties and create multidisciplinary research divisions to converge diverse expertise from science, humanities, technology and management.

Research Divisions



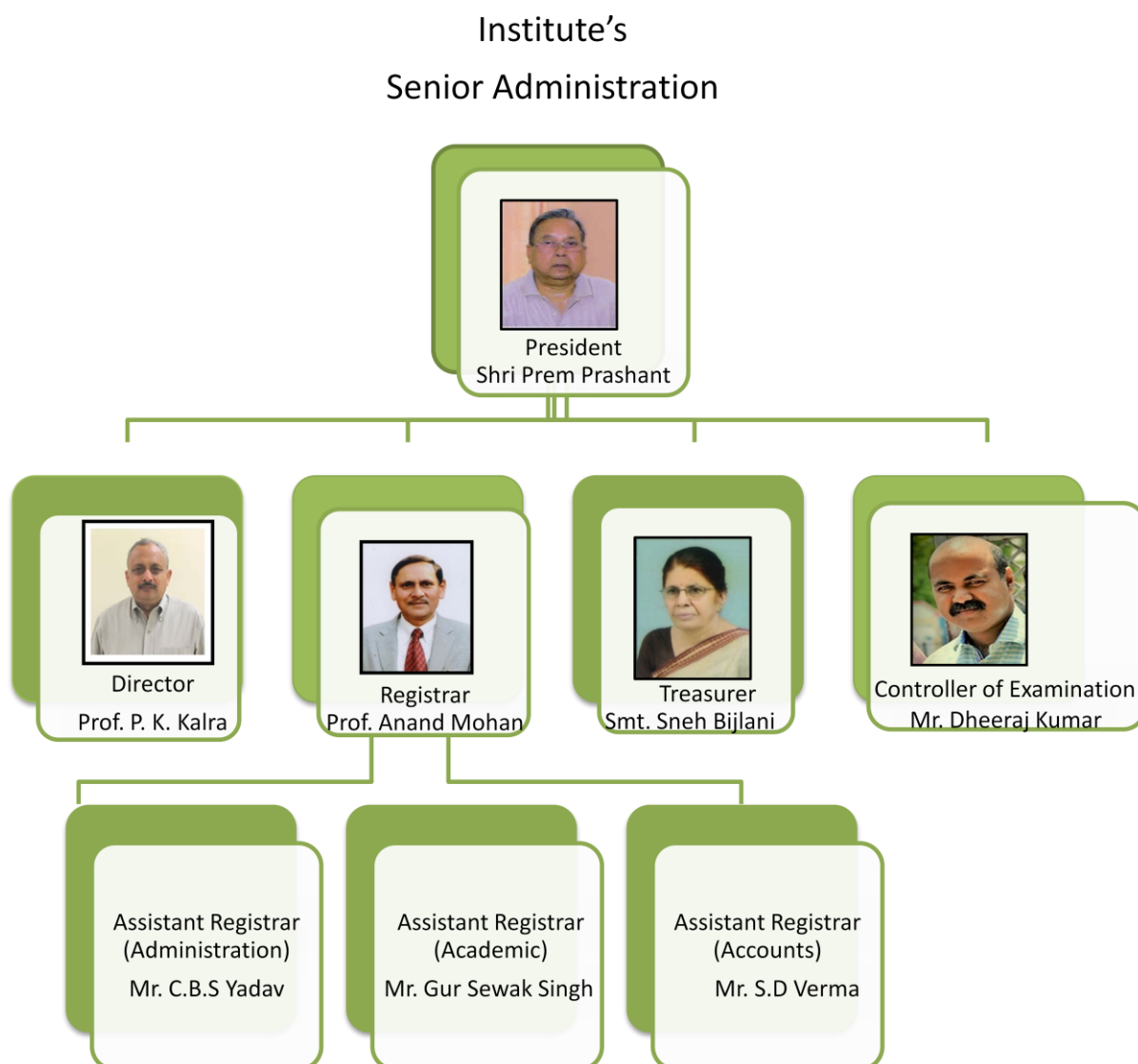


### Committed to Reconciliation, Welcoming Women

DEI has created lab-on-land in the areas of dairy farming, renewable energy, security and surveillance. This concept unfolds the challenges of real life and leads to research and experiments to address these issues. It is proposed that same will be done in agriculture through diversification. Lab-on-land experimentation and research will be carried out at all off campuses and technology interventions will be the prime area where students will be trained on precision agriculture, increased yield (three different crops per year). Diversification of agriculture will build the enterprises around green (agri) and white (dairy) economy across the country. It is proposed that same will be done in agriculture through diversification. Lab-on-land experimentation and research will be carried out at all off campuses and technology interventions will be the prime area where students will be trained on precision agriculture, increased yield (three different crops per year). Diversification of agriculture will build the enterprises around green (agri) and white (dairy) economy across the country. Entrepreneurial education in DEI has different flavour. DEI has been engaged in mobilizing the lost youth with least resources to engage purposefully with any of the six pillars of education in DEI. For this DEI regularly organizes medical camps in the rural areas every fortnight through the NSS wing. These medical camps apart from free medical checkups, also offers skilling activities for children. These activities are called 'hole in the wall' experiments. These activities create a hole in the wall of social and economical barriers and allow them to explore and access the world full of opportunity for development and progress. Agricultural counselling, skilling for women is also a part of these medical camps. DEI aspires to engage every applicant with NO-MEANS in education by creating enough opportunities for earning for sustaining themselves to bring many students to the mainstream education and in building their scholarship.

# Organizational Structure

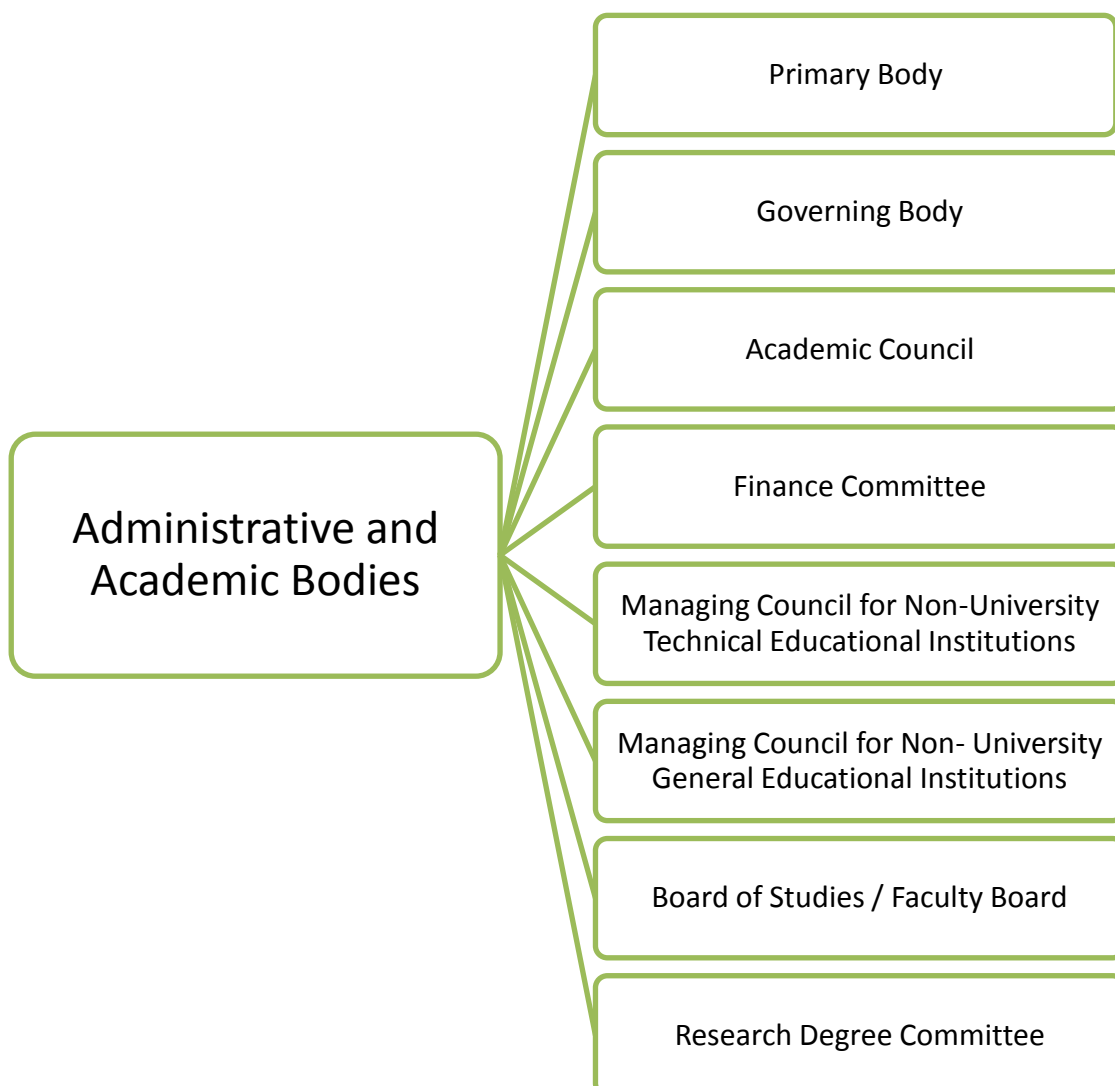
The senior administration of the Institute consists of the following



## Administration:

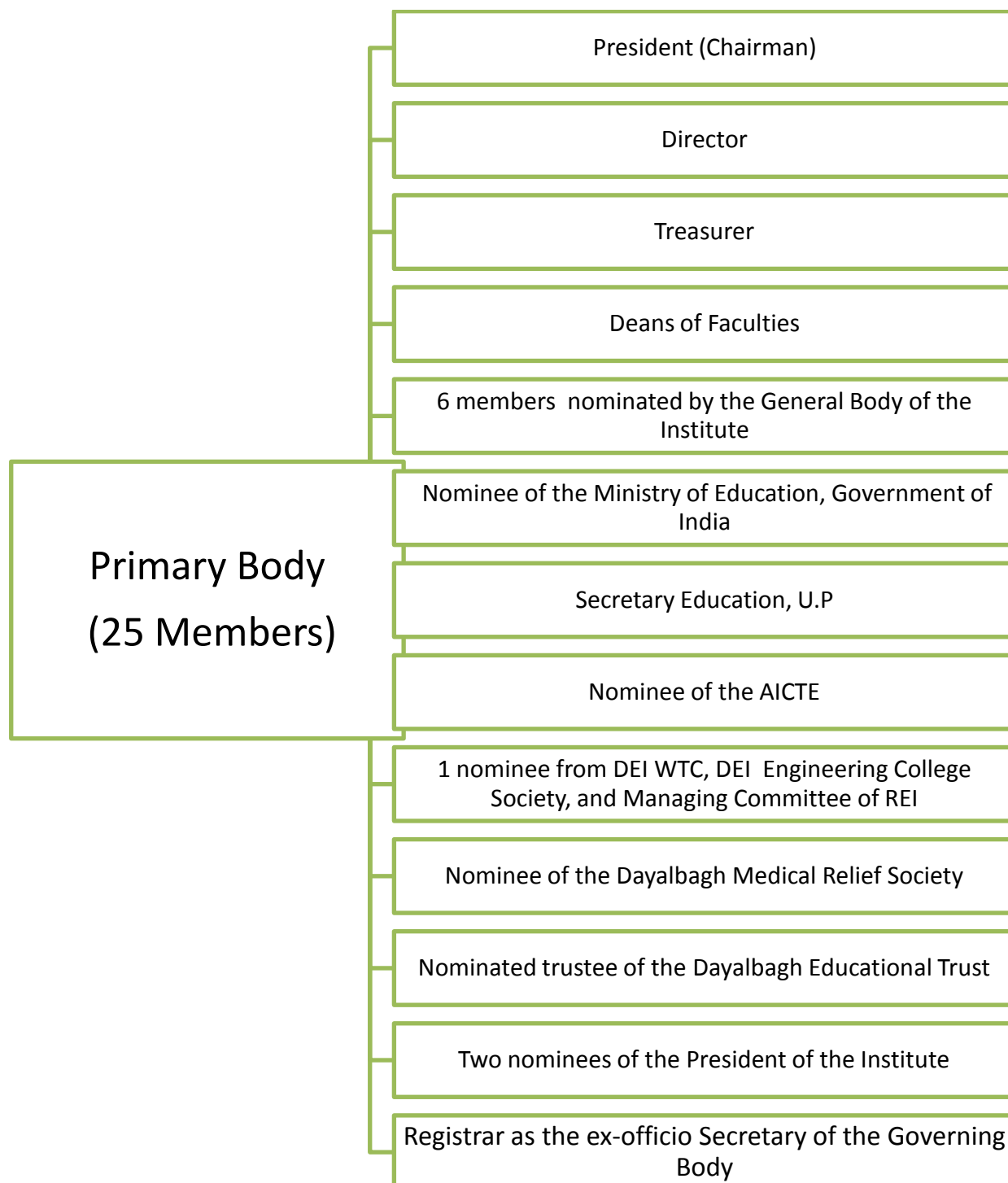
Administrative Officer (Computers): Mr. H. K Khanna, M.Sc.  
Assistant Registrar (Administration): Mr. C.B.S Yadav, M.A  
Assistant Registrar (Academic): Mr. Gur Sewak Singh, B.Com  
Assistant Registrar (Accounts): Mr. S.D Verma, M.A

## Administrative and Academic Bodies



## Primary Body

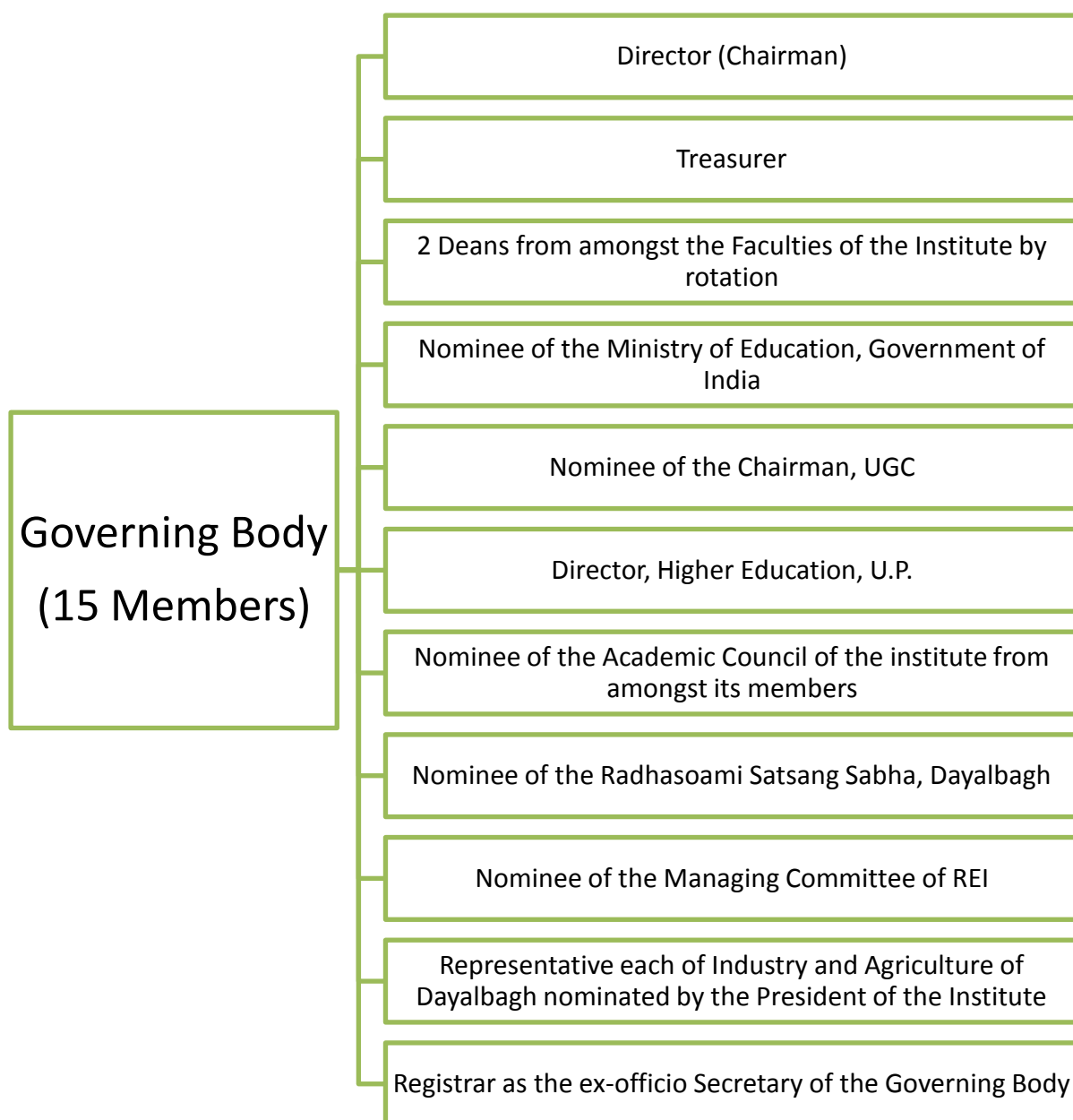
The Primary Body of the Institute consists of 25 members, the details of which can be seen from the figure below. Generally, the Primary Body meets once every year.





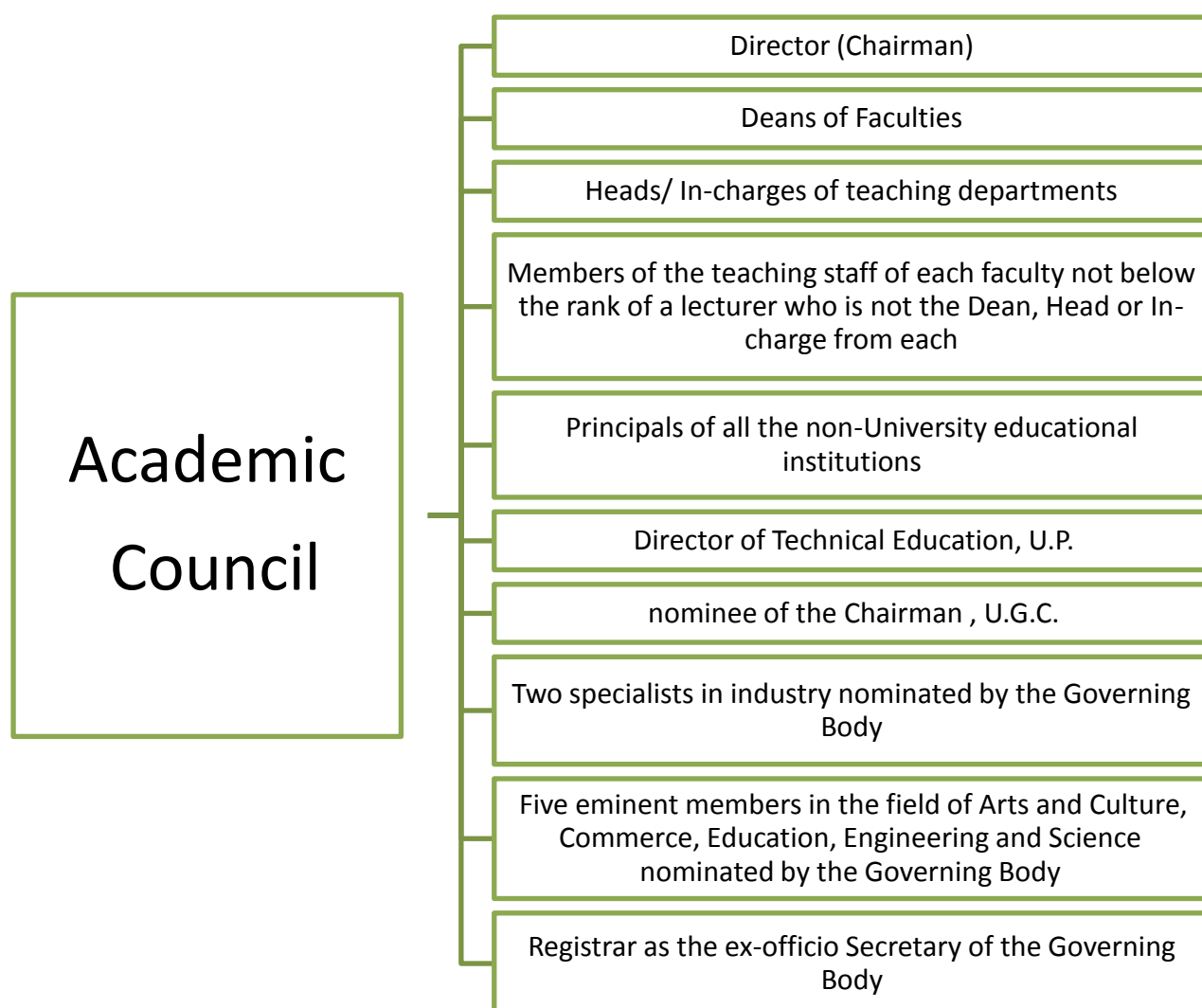
### Governing Body

The Governing Body of the Institute consists of 15 members as can be seen from the figure below. The Governing Body meets as often as necessary.



## Academic Council

The Academic Council of the Institute consists of the members as shown in the diagram below. The Academic Council meets as often as necessary.



### Finance Committee

The Finance Committee of the Institute consists of the . The Finance Committee meets at least twice a year.

Finance Committee			
Director (Chairman)	Treasurer	Nominee of the Department of Finance, Government of U.P	Two Nominees of the Governing Body, one of whom is a Dean and a nominee of the U.G.C.
The Registrar is the ex-officio Secretary of the Finance Committee			

### Managing Council for Non-University Technical Educational Institutions

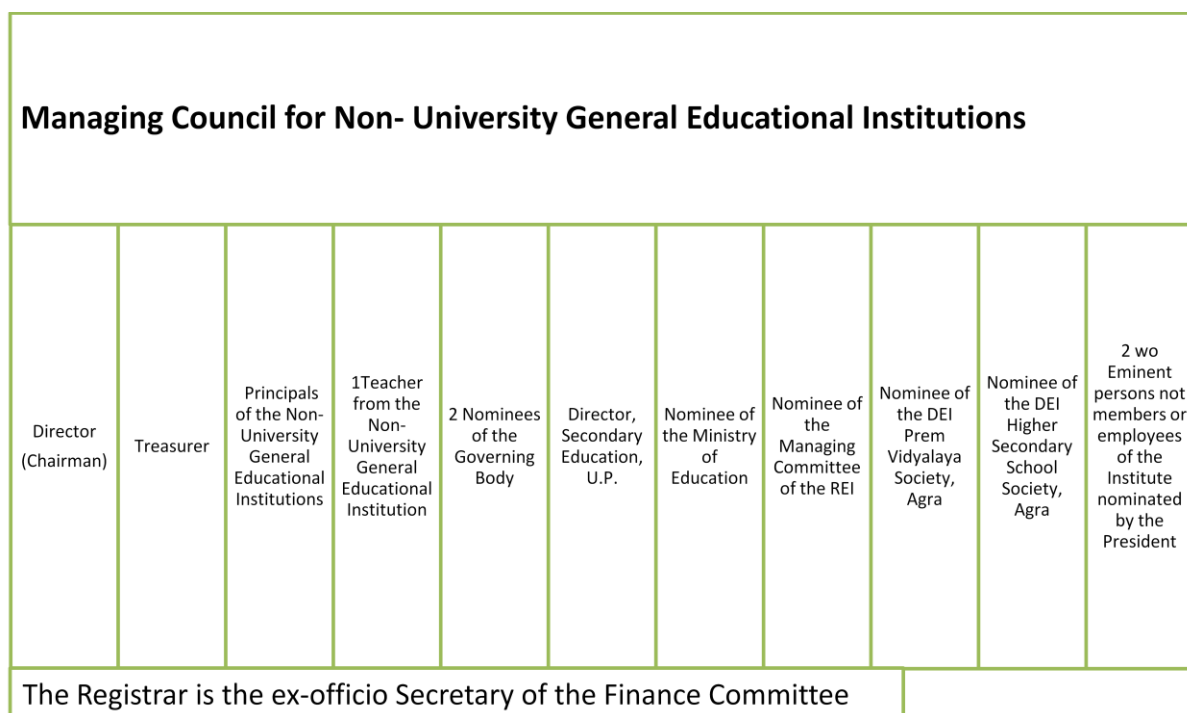
The Managing Council for the Non-University Technical Educational Institutions consists of the members as shown in the figure below.

### Managing Council for Non-University Technical Educational Institutions

Director (Chairman)
Treasurer
Principals of the Non-University Technical Educational Institutions,
1 Teacher from the non-University technical educational institution not below the rank of Lecturer by rotation in order of seniority
2 Nominees of the Governing Body from its members
Director, Technical Education U.P.
1 Nominee of the Northern Regional Office, A.I.C.T.E.,
1 Nominee of the Managing Committee of the Radhasoami by the President
Registrar as the ex-officio Secretary of the Governing Body

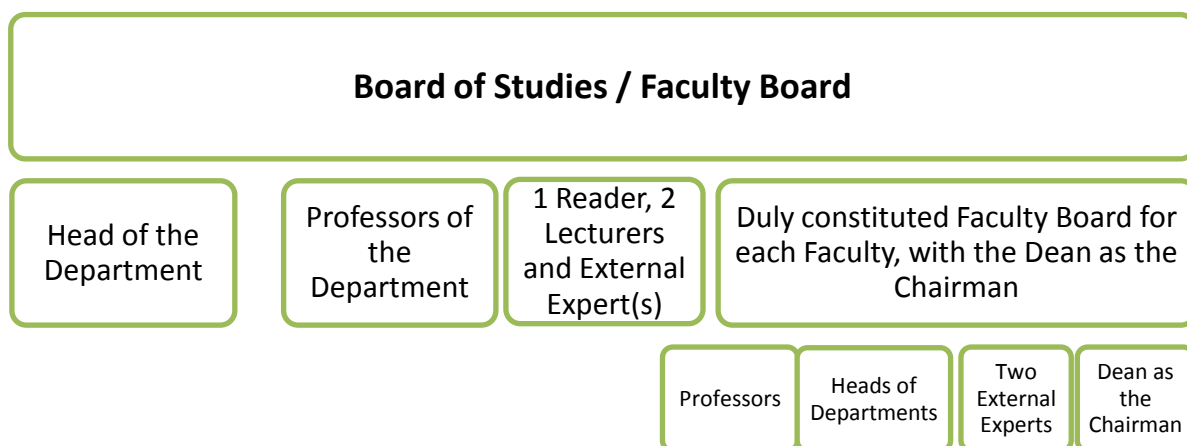
### Managing Council for Non- University General Educational Institutions

The Managing Council for the Non-University General Educational Institutions consists of the members as shown in the figure below.



### Board of Studies / Faculty Board

The Board of Studies consists of the members as shown in the diagram below. The recommendations of the Board of Studies regarding revision of syllabus and /or new courses approved by the Faculty Board are placed before the Academic Council of the Institute before implementation. The Faculty Boards meet at least once every year.





### Research Degree Committee

The Research Degree Committee closely monitors issues related to research work leading to the award of the Ph.D. degree. The members include the Director, concerned Dean, Head of the Department, and two external experts in the subjects. The supervisor of the candidate is the co-opted member of the Committee.

In addition to Deans of various Faculties, DEI has the following posts:

- ❖ Dean, Post-Graduate Studies & Research
  - ❖ Dean, Under-Graduate Studies
  - ❖ Deans, DEI-ICT Distance Education Centres
  - ❖ Officer on Special Duty (Amenities, Beautification and Core Courses)
- List of members of Governing Body, Primary Body, Finance Committee, Managing Council and Academic Council can be seen in **Annexure-I**

### Research Degree Committee

- Director
- Concerned Dean
- Head of the Department
- Two external experts in the subjects
- The supervisor of the candidate is the co-opted member of the Committee
  - The General Body
  - The Holding Trustees
  - The Faculties

# Administrative Report

The major administrative activities of the Institute during the year 2017-2018 were as follows:

## Meetings

- (i) Governing Body- Six Meetings were held on 20.7.2017 (by circulation), 16.9.2017, 2.11.2017, 27.1.2018, 19.3.2018 & 20.4.2018.
- (ii) Finance Committee - Four Meetings were held on 17.7.2017 (by circulation), 9.9.2017, 31.10.2017 & 16.3.2018
- (iii) Primary Body meeting was held on 29.7.2017
- (iv) RDC 12.7.2017, 11.11.2017, 25-26.8.2017, 15-18.12.2017, 20.3.2018, 3-5.5.2018
- (v) Results Committee meetings were held in July (08,11,25,26,31) August ( 1, 5,12,26), September (13,14,15, 22), October (11) November (6), December (12), January (16), February (1, 16), March (7,3,14,27) April (18), May (14) and June (5,20,27 30)
- (vi) Academic Council - Four Meetings were held on 21.7.2017, 17.3.2018, 19.4.2018 & 30.6.2018

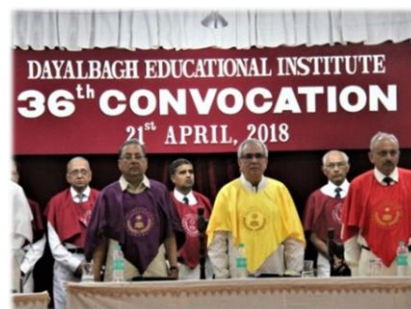
## 36<sup>th</sup> Convocation

The 36th Convocation of DEI was held on 21 April, 2018 at the Convocation Hall. Dr. Rajiv Kumar, Honourable Vice Chairman of the Niti Aayog, was the Chief Guest. All the graduating students of Undergraduate, Postgraduate, and Ph.D. Programmes received their degrees and the High School, Intermediate and Certificate course students received their Certificates. Honorary Degree of Doctor of Science, *Honoris Causa* was conferred to Most Revered Prof. Prem Saran Satsangi, Chairman, Advisory Committee on Education, Dayalbagh Educational Institutions. This year, 81 Students



were awarded the degree of Doctor of Philosophy and 83 students were

endowed with the Director's Medal for securing highest marks in various UG and PG courses. Mahima Sinha and Anuja Shukla were awarded the President's Medals for securing highest grade points in All Undergraduate and All Postgraduate Examinations, 2017 respectively. For being the best All-Rounder among the First Degree Students of the Institute graduating in the year 2017, Nagma Markan and Mahima Sinha were conferred with the prestigious 'DEI Founder's Medals'. The DEI Alumni Award-2017 was conferred to Smt. Mala Srivastava (IAS), Smt. Saroj Prashant (an active Social Worker) and Prof. R.N. Mehrotra (Member of the various bodies of DEI).





In his Convocation Address, Dr. Rajiv Kumar lauded the tradition of DEI of encouraging innovation and self-employment among the students rather than creating job-seekers. He mentioned that this is an institute that has to be commended for the fact that it has always

included ethics and values in its curriculum. He expressed his heart-felt joy upon observing the characteristic of Dayalbagh Educational Institutions that has tended to break down the dualisms that have unfortunately characterized the Indian society.

### Diamond Jubilee Memorial Lecture

The Diamond Jubilee lecture series was commenced in DEI in the year 1977 under the patronage of the Founder Director Most Revered Dr. M.B. Lal Sahab to commemorate the successful completion of 60 years of the Institute. This year, the lecture was held on 25th November and was presided over by Revered Prof. P. S. Satsangi Sahab, Chairman, Advisory Committee on Education. The Chief Guest was Dr. Jagat Ram, Director and Professor of Ophthalmology at Post Graduate Institute of Medical Education and Research, Chandigarh. He gave an inspiring talk on Achieving Excellence, combining Focus, Talent and Medicine. The lecture was well received by students, staff and visiting dignitaries.



### Founders Day

31<sup>st</sup> January is celebrated every year as the **Founders' Day** (Open Day) to commemorate the Birth Centenary of its Founder Director, Most Revered Dr. M.B. Lal Sahab. This year every nook and corner of the Institute was laden with activities, displays and colourful buntings to welcome the guests, students, staff and general public. The atmosphere was witnessing a mark of majestic bliss as the sounds of divine Bhakti sangeet were reverberating throughout the campus. Every dimension of the vigour of DEI education with its potency to inculcate all-round development in its students was out on display through graphical charts, working models, display boards, exhibition-cum-sale of innovative articles, interactive activities, demonstrations, live performances, etc. Each department and segment of DEI had made remarkable preparations to showcase their equipment, facilities, current strength and vision of the future endeavours and objectives. Besides getting a chance to exhibit their extra-curricular talents, learning and research acumen, the students were also given the opportunity



based on the 'earn while you learn' policy to offer for sale the varied products manufactured during their practical learning of the respective courses. The efforts of Management, Staff and Students bore fruit when people from all walks of life thronged in a large number to witness, enjoy as well as take part in the celebrations while learning about varied initiatives of DEI.

The occasion was graced by the Divine presence of Most Gracious Prof. P.S. Satsangi Sahab, Chairman, ACE, along with Revered Rani Sahiba as they took out their valuable time to visit and bless the Institute on this auspicious day.



### Agreement Signed with the Michigan State University

A multidisciplinary delegation from Dayalbagh Educational Institute visited Michigan State University from June 11 to June 20, 2017 and held meetings with the President of the University, Deans of the College of Engineering, the College of Agriculture and Natural Resources, the College of Education and the Eli Broad College of Business, Directors of Asian Studies Centre, School of Packaging, Department Chairs, other administrators, faculty and potential collaborators across various Colleges and Departments. An International Agreement for Academic Cooperation with the College of Engineering, College of Agriculture and Natural Resources and the College of Education was signed, which includes provisions for exchange of materials in education and research, publications, and academic information, exchange of faculty and research scholars, joint research and meetings for education, research and outreach, technical assistance, student exchanges and joint curriculum development in support of K-12 education and joint development of innovative teaching methods.



### MoU Signed with the Ministry of Textiles

A MoU was signed between DEI and Ministry of Textiles who have recognized DEI as one of the best training institutes in the country. Prof. P.K. Kalra, Director, DEI and the Development Commissioner of Handicrafts Sh. Shantmanu represented DEI and Ministry respectively.



### Celebration of 71<sup>st</sup> Independence Day

Independence Day was celebrated with great enthusiasm and zeal in DEI. The ceremony





started at 10 AM at the Science Faculty ground with a large gathering of guests, staff and students of all colleges and faculties encompassing the DEI fraternity. Commemorating the sovereignty of our nation, the Chief Guest Shri. M. A. Pathan, former Chairman, Indian Oil Corporation and also Former Resident Director, unfurled the tricolour flag. The National Anthem reverberated the air expressing the joy of freedom and peace. The NCC Cadets presented the Guard of Honour and the students from various faculties holding their flags marched in unison displaying pride and glory in the parade escorted by the university band. The colourful presentation received much deserved applause from the audience. PremVidyalaya and Technical College teams were adjudged to be the best among girls and boys in March Past respectively. They were awarded shields by the Honourable Chief Guest. The winners of the 3000 m race (girls) and 5000 m race (boys) were also awarded medals for their outstanding achievement. Shri. M. A. Pathan in his address to the gathering expressed his wish that the University may achieve bigger laurels and attains world fame in the days to come.

### Republic Day Celebration

The 69<sup>th</sup> Republic Day of India was celebrated with immense gaiety and patriotic fervour at DEI and its Centres. The celebrations commenced at the main campus with the customary unfurling of the National Flag by Shri. K. Ram Mohan Rao, Commissioner, Agra District, who was the Chief-Guest on this occasion. After the tuneful rendering of the National Anthem,



the NCC Cadets gave the Guard of Honour to the Chief-Guest. Thereafter began the most impressive display of the March-Past by the contingents of various schools, colleges, faculties and segments of DEI. In his address to the students, Shri Rao referred to the situation of India right after Independence and traced the evolution of the country till the concurrent times. He talked about the need of removing disparities from the society by ensuring a just distribution of the limited resources. He encouraged the students by saying that all of them have been equipped with the power to take the nation forward. However, he urged them to use their strength in the right direction and best possible way. Shri Rao very kindly guided the students by sharing with them different principles, which they should follow to become strong pillars of the nation. The Director of the Institute in his presidential remarks introduced the Chief Guest to the brief history and current strengths of DEI, also ensuring him that DEI fraternity was under a pledge to serve the nation in the best possible manner and various significant steps have been taken in this direction. At the end of the ceremony, the winners of March-Past competition were awarded the Running shields. Prem Vidyalaya won the shield in the Girls' category and Technical College won the shield in the Boys' category.

The greatest point of jubilation during the Republic Day celebrations this year was the August presence of Most Revered Prof. P.S. Satsangi, Chairman, ACE and Most Respectable Rani Sahiba who very kindly Graced the event.



# Institute's Achievements

## DEI Adjudged as 5<sup>th</sup> Cleanest University in the Country

DEI was ranked at fifth place under the 'Swachhta' Ranking 2017 of Higher Educational Institutions. It is also the only University in UP found to be fulfilling all basic cleanliness parameters required for the ranking.



## DEI Ranked Amongst Top Hundred Universities: NIRF

DEI scored an overall score of 41.95 with Teaching, Learning and Evaluation (TLR) 64.14, Research and Professional Practice (RPC) 5.05, Graduate Outcomes (GO) 69.03, Outreach and Inclusivity (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.



## Accolades at National Youth Festival

DEI participated in 33<sup>rd</sup> Inter-university National Youth Festival held at Ranchi University, Ranchi, from 16 February 2018 to 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



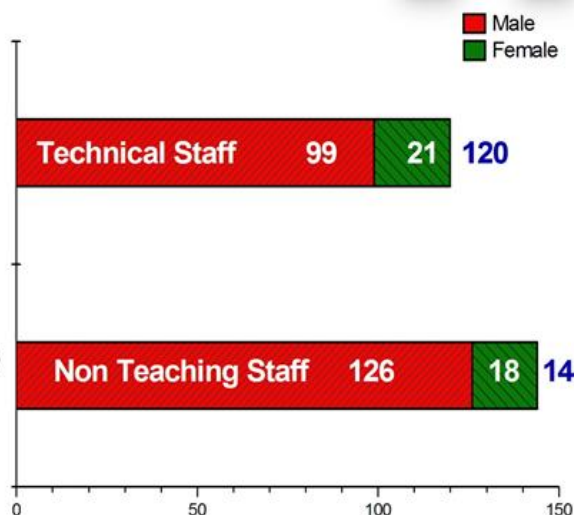
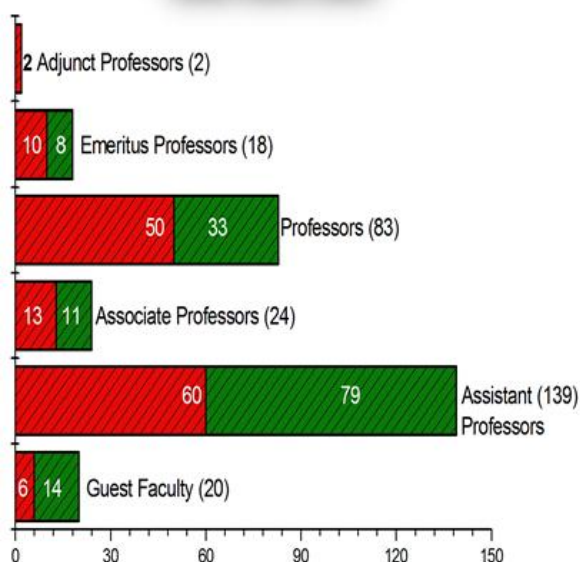
## UGC 12B Status

DEI was accorded the status of an Institution Deemed to be a University by the Government of India, under Section 3 of the UGC Act of 1956, and under Section 3, 12B on March 28, 2018. DEI is also an ISO:9001-2015 certified Institute since January, 2017.

# Staff and Student Strength and Composition

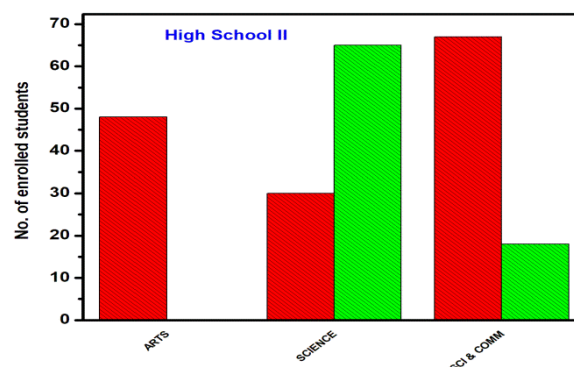
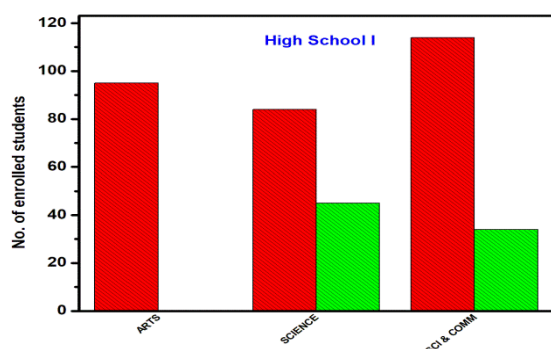


## Staff Strength

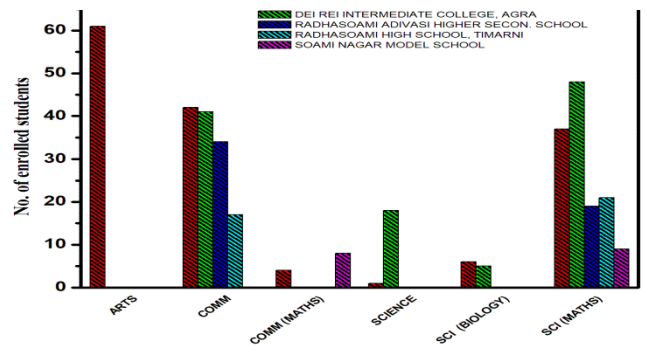


## Schools and Colleges

The diagram below show the total strength of students of various schools (on campus and outstation) of DEI. The graphs also represent the varied subjects offered by these schools for the session 2017-18.

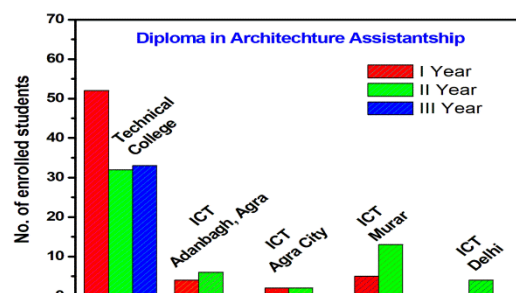
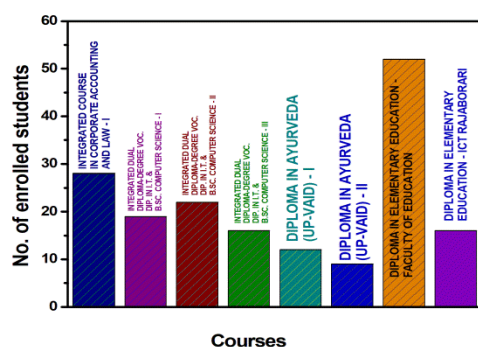






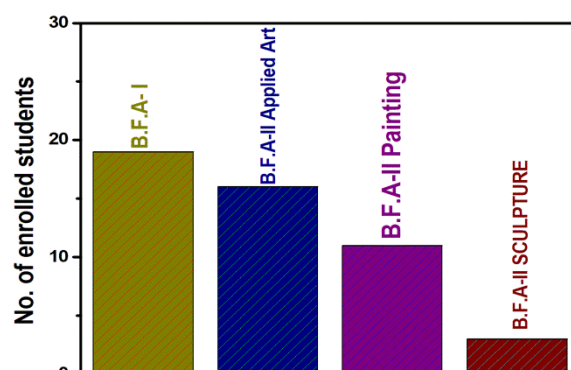
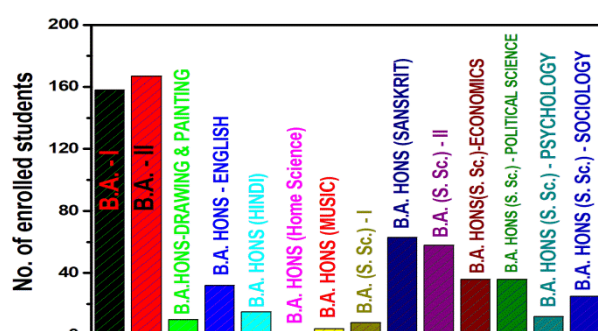
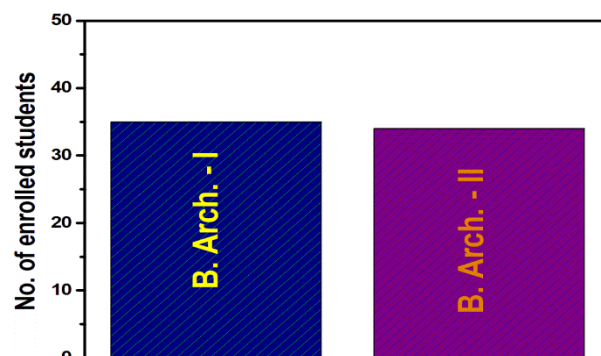
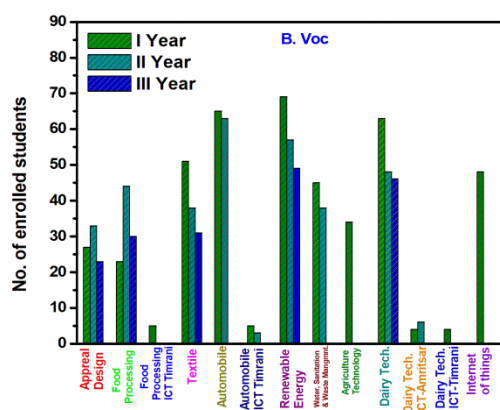
Courses	No. of enrolled students
INTEGRATED COURSE IN CORPORATE ACCOUNTING AND LAW-1	28
INTEGRATED DUAL DIPLOMA DEGREE VOC. DIP. IN IT & B.SC. COMPUTER SCIENCE-I	19
INTEGRATED DUAL DIPLOMA DEGREE VOC. DIP. IN IT & B.SC. COMPUTER SCIENCE- II	22
INTEGRATED DUAL DIPLOMA DEGREE VOC. DIP. IN IT & B.SC. COMPUTER SCIENCE- III	16

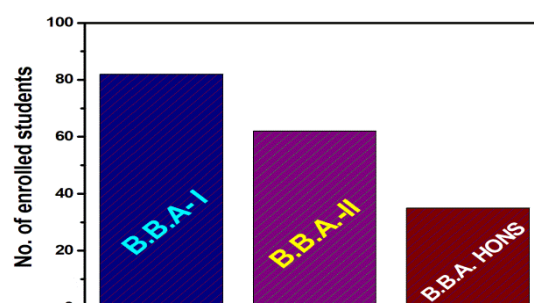
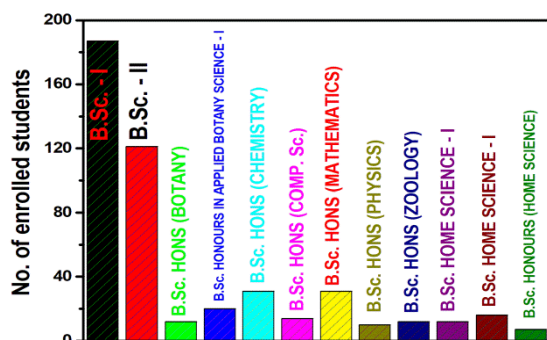
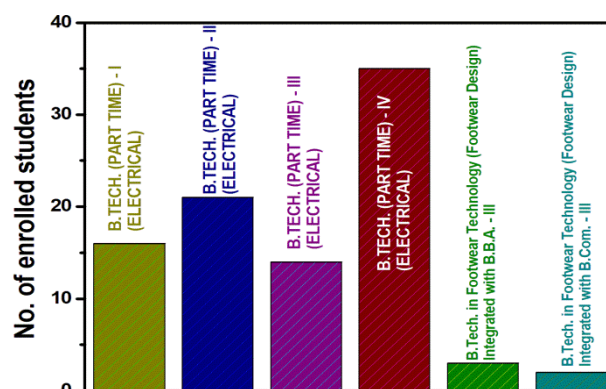
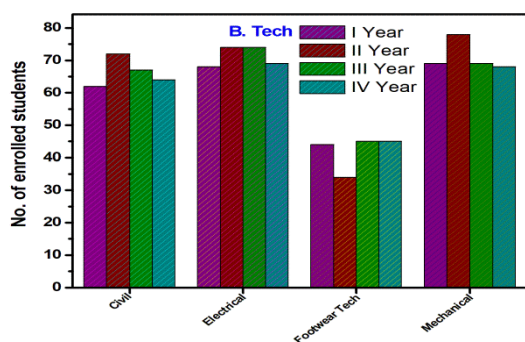
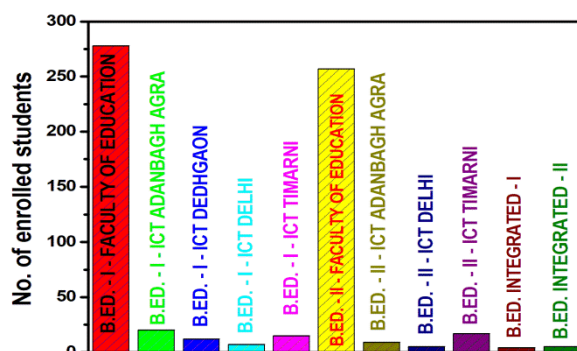
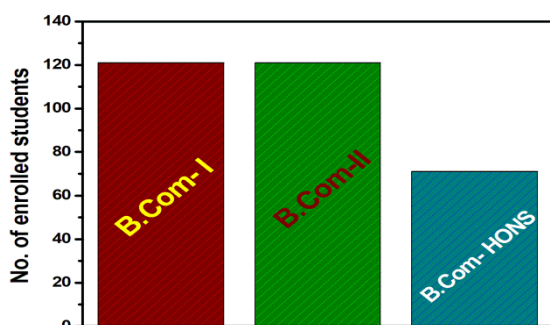




## Under Graduate Courses

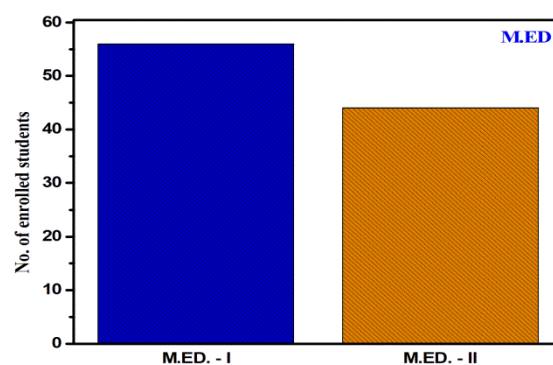
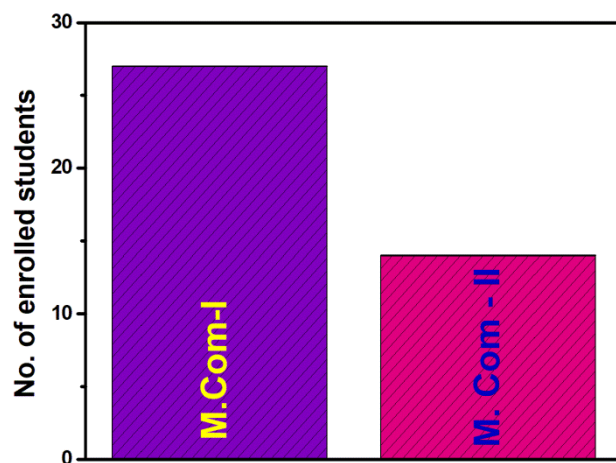
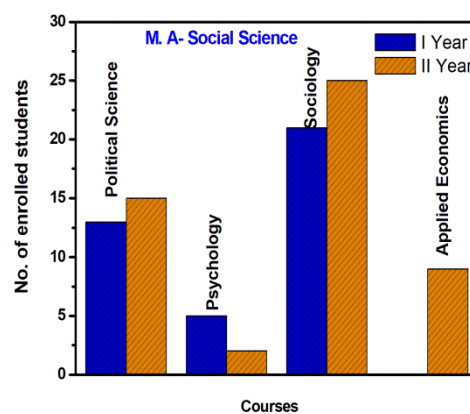
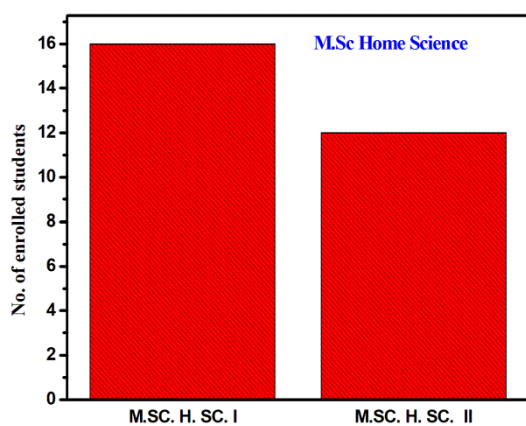
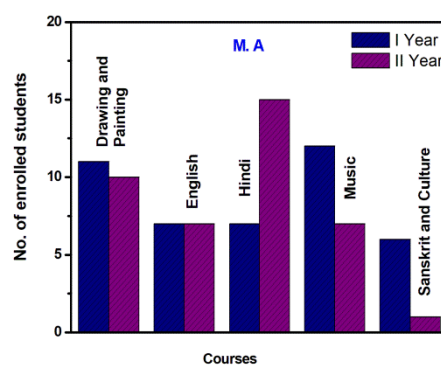
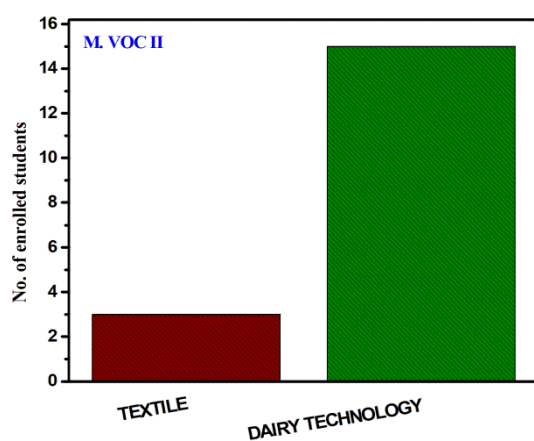
In addition to the traditional graduation courses, the Dayalbagh Educational Institute has started B.Voc. Programmes in various trades from the session 2015-16. This programme ensures that the students graduating in these trades possess adequate knowledge and skills. These courses are catering to a large range of students from various back grounds. The student enrollment for the undergraduate courses for the session 2017-18 can be seen in the graphs below.



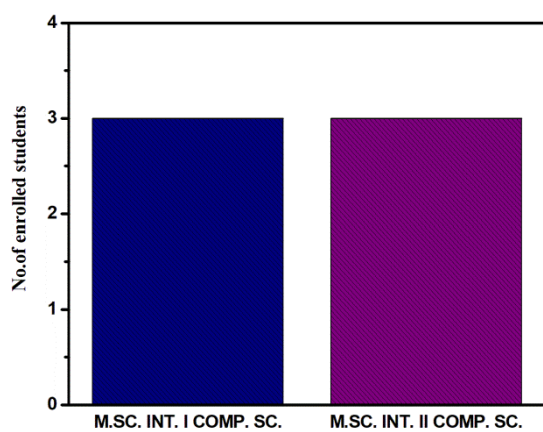
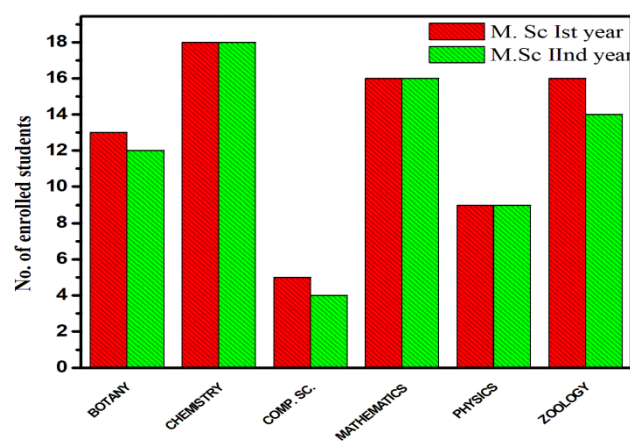
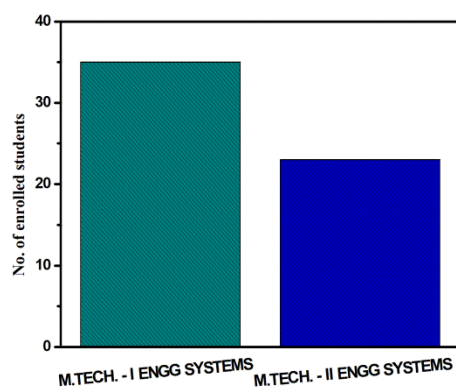
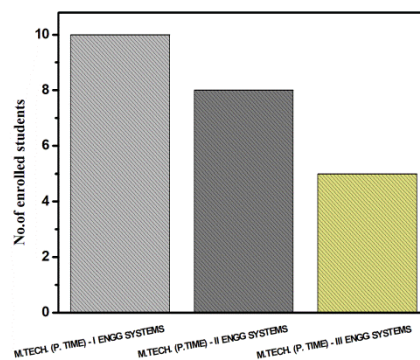
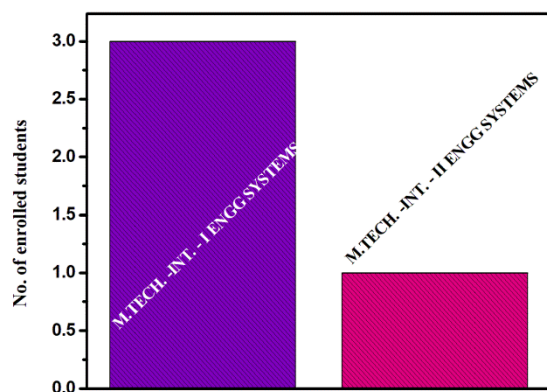


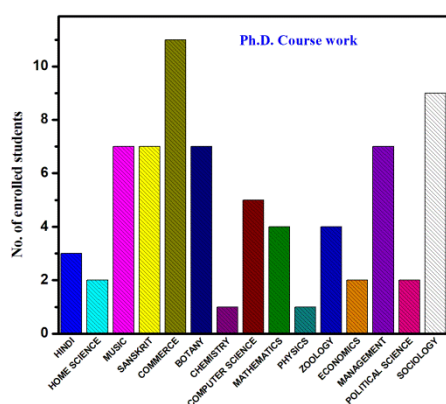
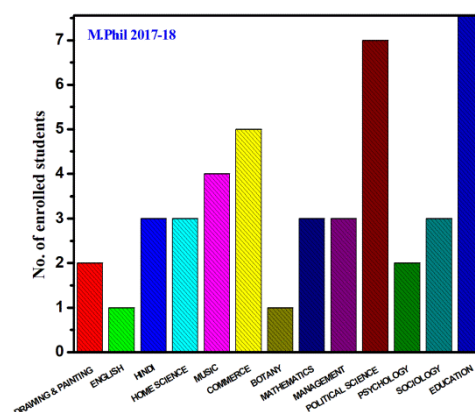
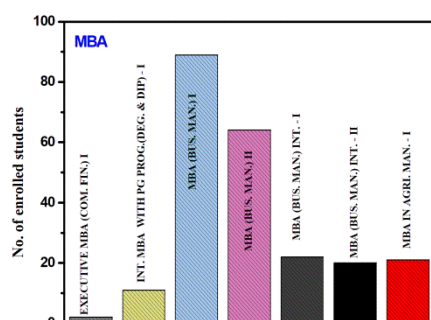
## Post Graduate Courses

The diagram below show the total strength of students in various post graduate courses for the session 2017-18.

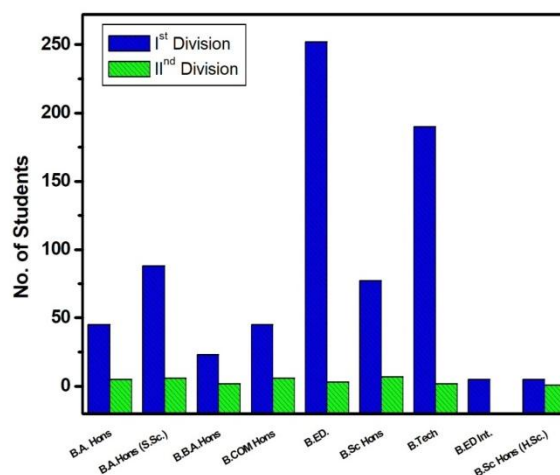
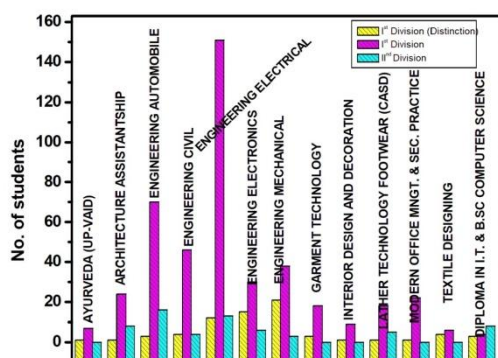


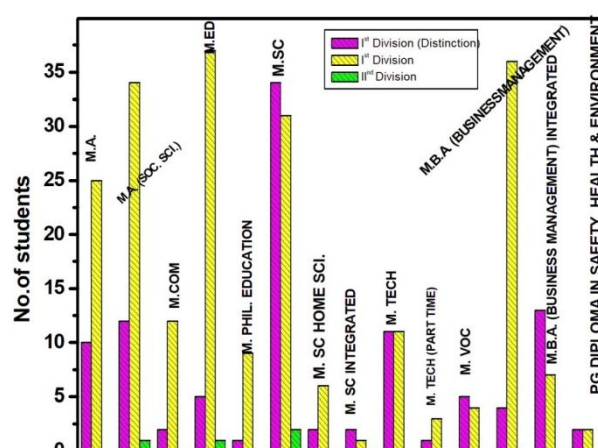
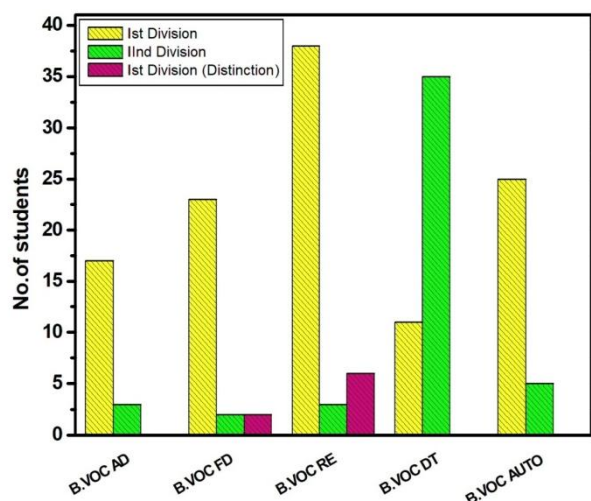






## Graduating Students in the Session 2017-18





### STUDENTS (2016-17) RECEIVING MEDALS AT THE THIRTY SIXTH CONVOCATION

#### DIRECTOR'S MEDAL

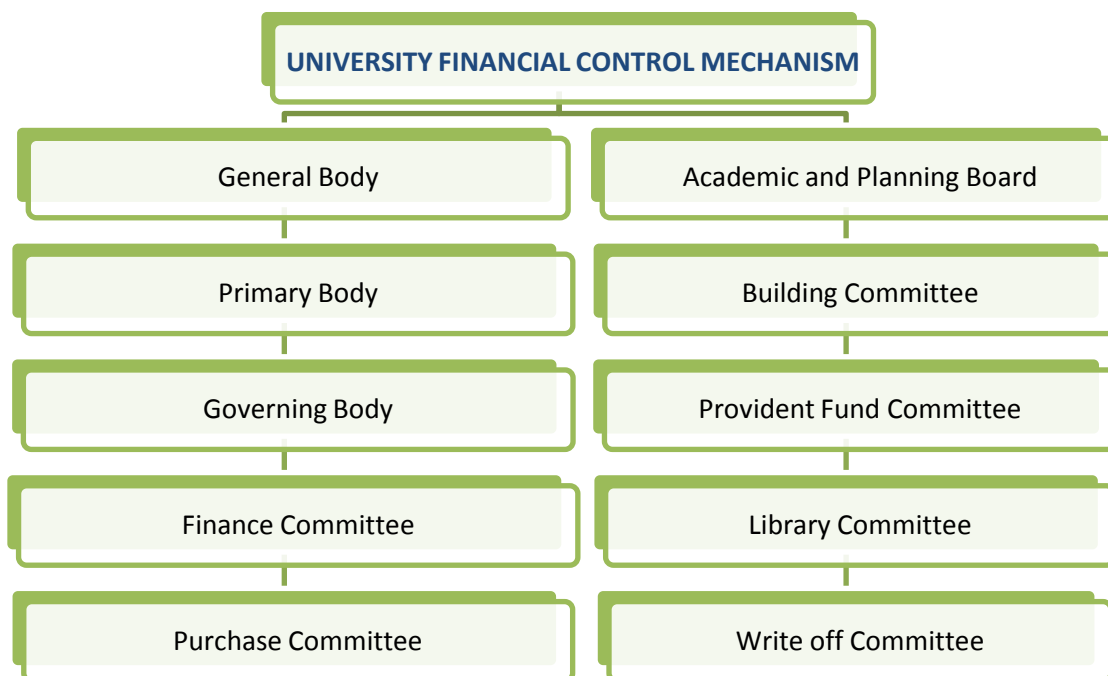
FOR SECURING HIGHEST GRADE POINTS IN -		
1	High School Examination, 2017	Drishti Goel
2	Intermediate Examination, 2017	T. Mahima
FOR SECURING HIGHEST GRADE POINTS IN		
3	Technical Diploma Level Examinations, 2017	Uday Vinaik
4	P.G.D.J.M.C. Examination, 2017	Mahima Nigam
5	P.G.D.T.D.P. Examination, 2017	Akansha Sisodia
6	P.G.D.Th. Examination, 2017	Payal Sharma
7	Diploma in Ayurveda (Up-Vaid) Examination, 2017	Shilpa
8	P.G.D.C.S.A. Examination, 2017	Antra Mittal
9	P.G.D.B.E. Examination, 2017	Somya Chaturvedi
10	P.G.D.U.P.M Examination, 2017	Rachit Sharma
11	P.G.D.H.R.S.W Examination, 2017	Apurva Mudgal
12	P.G.D.S.H.E Examination, 2017	Ritika Kushwaha
FOR SECURING HIGHEST GRADE POINTS IN CULTURAL EDUCATION & COMPARATIVE STUDY OF RELIGION		
13	Technical Diploma Level Examinations, 2017	Uday Vinaik
14	B.A. Examination, 2017	Nakasha Yadav
15	B.Sc. (Home Science) Examination, 2017	Jyoti Kumari
16	B.Com. Examination, 2017	D. Guru Priya
17	B.Tech. Examination, 2017	Bhakti Kapur
18	B.Sc. Examination, 2017	Neha Kumari
19	B.B.A. Examination, 2017	Harshit Sharma



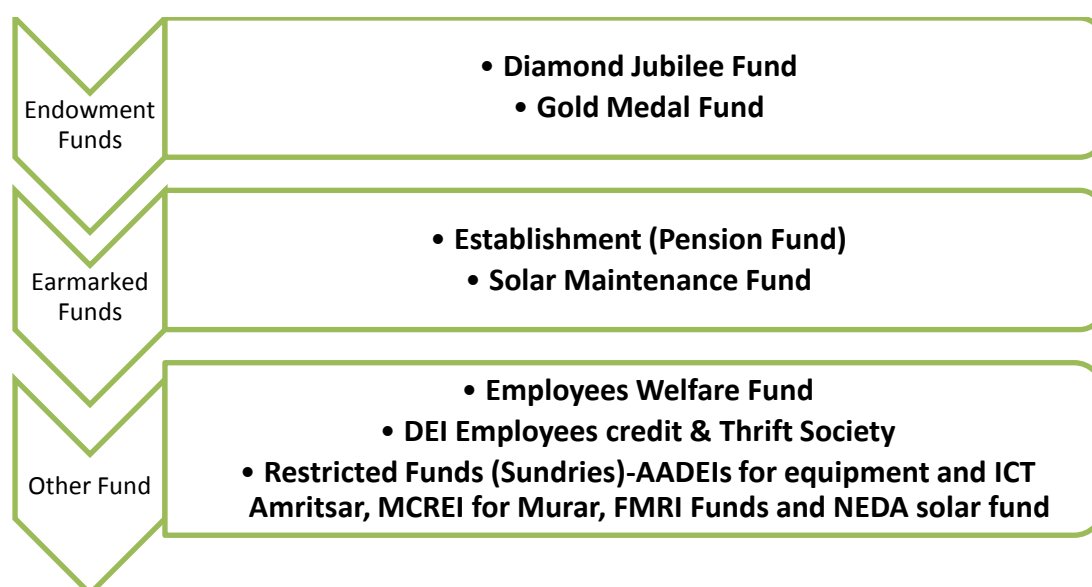
20	B.A. (Social Science) Examination, 2017	Palak Singh
<b>FOR SECURING HIGHEST GRADE POINTS IN:-</b>		
21	B.A. Examination, 2017	Chandrakanta
22	B.Voc. (Apparel Design), Examination, 2017	Megha Sharma
23	B.Voc. (Food Processing), Examination, 2017	Mahima Sant Saran Gupta
24	B.Voc. (Automobile), Examination, 2017	Rishabh Kumar
25	B.Sc. (Home Science) Examination, 2017	Jyoti Kumari
26	B.Com. Examination, 2017	Yogi Chaudhary
27	B.Ed. Examination, 2017	D.Shabd Preeti
28	B.Tech. (Engg.) in Civil Engineering Examination, 2017	Neelima Garg
29	B.Tech. (Engg.) in Electrical Engineering Examination, 2017	Bhakti Kapur
30	B.Tech. (Engg.) in Mechanical Engineering Examination, 2017	Puranjay Khetarpal
31	B.Sc. Examination, 2017	Aishwarya Dubey
32	B.B.A. Examination, 2017	Harshit Sharma
33	B.A. (Social Science) Examination, 2017	Palak Singh
34	B.A. Honours (Drg. & Ptg.) Examination, 2017	Anjal Chaudhary
35	B.A. Honours (English) Examination, 2017	Daisy Mathew
36	B.A. Honours (Hindi) Examination, 2017	Shweta Kumari
37	B.A. Honours (Music) Examination, 2017	Mahima Sinha
38	B.Sc. Honours (Home Science) Examination, 2017	Ayushi Sharma
39	B.Com. Honours Examination, 2017	Kanika Agarwal
40	B.Sc. Honours (Botany) Examination, 2017	Geetanjali
41	B.Sc. Honours (Chemistry) Examination, 2017	Garima Agarwal
42	B.Sc. Honours (Computer science) Examination. 2017	Sajal Mittal
43	B.Sc. Honours (Mathematics) Examination, 2017	Aaditi Agarwal
44	B.Sc. Honours (Physics) Examination, 2017	Sujal Gupta
45	B.Sc. Honours (Zoology) Examination, 2017	Akansha Gupta
46	B.B.A. Honours Examination, 2017	Shivangi Sarabhai
47	B.A. Honours (Social Science) (Economics) Examination, 2017	SimranMakkar
48	B.A. Honours (Social Science) (Political Science) Examination, 2017	Monika Tiwari
49	B.A. Honours (Social Science) (Psychology) Examination, 2017	Nazm Prasad
50	B.A. Honours (Social Science) (Sociology) Examination, 2017	Farheen Gauri
51	M.A. (Drawing & Painting) Examination, 2017	Mahima Gautam
52	M.A. (English) Examination, 2017	Ratika Singh
53	M.A. (Hindi) Examination, 2017	Gur Pyari
54	M.A. (Music) Examination, 2017	Daminin Verma
55	M.A. (Sanskrit & Culture) Examination, 2017	Savita
56	M.A. (Theology) Examination, 2017	Prem Kumar

57	M.Sc. (Home Science) Examination, 2017	Sonam Gupta
58	M. Com. Examination, 2017	Krati Agarwal
59	M.Ed. Examination, 2017	Maninder Kaur
60	M.Tech. (Engineering Systems) Examination, 2017	Rishabhdev Shukla
61	M.Sc. (Botany) Plant & Microbial Biotechnology Examination, 2017	Deepika Goyal
62	M.Sc. (Chemistry) Examination, 2017	Meena Singh
63	M.Sc. (Computer Science) Examination, 2017	Geetika Dadwani
64	M.Sc. (Mathematics) Examination, 2017	Sharma Priya R
65	M.Sc. (Physics) Examination, 2017	Avantika Rana
66	M.Sc. (Zoology) Examination, 2017	Kriti Sharma
67	M.B.A. (Business Management) Examination, 2017	Tanya Mehra
68	M.A.(Social Science) (Applied Economics) Examination, 2017	Akasha Latif
69	M.A.(Social Science) (Political Science) Examination, 2017	Shivani Seth
70	M.A.(Social Science) (Sociology) Examination, 2017	Vandana Joshi
71	M.Phil. (Drawing & Painting) Examination, 2016	Varsha Bansal
72	M.Phil. (Hindi) Examination, 2016	Kalpana Bhagel
73	M.Phil. (English), Examination, 2016	Aakrati Agrawal
74	M.Phil. (Home Science) Examination, 2016	Suman Madan
75	M.Phil. (Music) Examination, 2016	Mohini Gaur
76	M.Phil. (Theology), Examination, 2016	Arti Satsangi
77	M.Phil. (Education) Examination, 2017	Shristi Singh
78	M.Phil. (Management) Examination, 2016	Anuja Shukla
79	M.Phil. (Political Science) Examination, 2016	Shiksha Kumari
80	M.Phil. (Psychology) Examination, 2016	Ritu Raj
81	M.Phil. (Sociology) Examination, 2016	Tarun Joshi
<b>PRESIDENT'S MEDAL</b>		
82	All Undergraduate Examinations, 2017	Mahima Sinha
83	All Postgraduate Examinations, 2017	Anuja Shukla
<b>D.E.I. FOUNDER'S MEDAL</b>		
84	Best All-Rounder among the First Degree Students of the Institute Graduating in the Year 2017	Mahima Sinha and Nagma Markan

# University Finance



## INSTITUTE FUNDS



MAIN SOURCE OF INCOME	
1.	<b>UGC- Plan &amp; Non Plan (Maintenance Salary and Non salary)</b>
2.	<b>UP Government (Salary)</b>
3.	<b>MHRD, DST,AICTE,CSIR, DAE, ISSRO, DIT,ADRDE, DRDO,PCRA,ICSSR(Research Grants)</b>
4.	<b>Other Sources of Income</b> <ul style="list-style-type: none"> <li>• Fees</li> <li>• Income from interest</li> <li>• Contributions by trust</li> <li>• Contributions by Alumni Associations</li> <li>• Income from Consultancy</li> <li>• Income from Sales and Services</li> <li>• Overhead Charges from Projects</li> </ul>

During the financial year 2017-18 the UGC sanctioned Rs. 4113.50 lakh as Maintenance Grant and Rs. 1554.91lakh as Capital Assets and Revenue. The UP Government sanctioned a grant of Rs. 1744.74 lakh as regular Salary grant and Rs. 11.87 lakh for the National Service Scheme. The income from investment from non-government sources amounted to Rs. 808.20 lakh.

**a. Unit Cost:** The Unit Cost was Rs. 15440/- (Excluding Salary)

#### **b. Progress in Research**

There are 21 ongoing Projects sanctioned by various agencies. A summary of the Projects is given below:

S.N.	Sanctioning Agency	No. of Projects	Amount Sanctioned (in Lakhs)
1.	DST	07	541.65
2.	MHRD	05	133.97
3.	UGC	02	152.00
4.	ICSSR	02	12.89
5.	Ministry of Textiles	01	122.91
6.	ISRO	02	206.23
7.	MNRE	01	141.97
8.	DBT	01	8.00
	<b>TOTAL</b>	<b>21</b>	<b>1319.62</b>

### **C. Fellowships and Scholarships**

During the session 2017-18, 81 research scholars were distributed fellowship from various agencies amounting to Rs. 90,16,709 lakhs under following schemes.

S.No	Sanctioning Agency	Number of Students	Amount (Rs.)	Payment Mode
1	UGC-Research Fellowship	1	1539144	Institute
2	NET. Junior Research Fellowship	15	2023387	Institute
3	CSIR-Fellowships	2	306622	Institute
4	DST-Inspire Fellowship	11	3703556	Institute
5	ICSSR- Doctoral Fellowship	19	1444000	Institute
6	Post Doctoral Fellowship for SC &ST	2		WEB PORTAL
7	Maulana Azad Fellowship	2		WEB PORTAL
8	Rajiv Gandhi National Fellowship	9		WEB PORTAL
9	EMERITUS Fellowship	1		WEB PORTAL
10	Swami Vivekanand Single Girl's Child Fellows	1		WEB PORTAL
11	Net. Junior Research Fellowship	13		WEB PORTAL
12	National Fellowship for OBC	5		WEB PORTAL
	Total	81	9016709	

# FACULTY OF ARTS 2017-2018

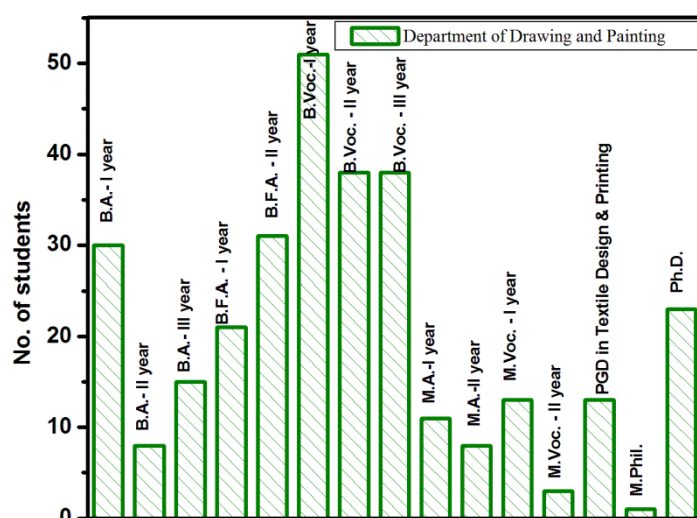


## Faculty of Arts

Faculty of Arts was established in 1981. It is an integration of six departments namely Drawing & Painting, English, Hindi, Home Science, Music and Sanskrit. In order to cater to the varied interest of the students, the faculty offers UG/PG/MPhil/PhD and various Certificate as well as diploma programmes. The subjects taught in the faculty help in developing the aesthetic sense and awaken the finer sensibilities. The language courses enhance the eloquence of the students and, at the same time, develop a sense of literary appreciation. The study of Home Science helps the students to acquire various skills, thereby, helping them to get placements in industries and hospitals. The courses in Drawing & Painting and Music inculcate a sense of beauty and harmonious expression. Prof. J.K.Verma is the present Dean of the faculty.

### Department of Drawing & Painting

The department began its journey as an undergraduate department in 1960 as a part of Women's Training College and was included in DEI in 1981. The department of drawing and painting is headed by Prof. Ragini Roy. Additionally the department has one professor, one associate professor and 5 assistant professors. It offers B.A. two year course with Drawing & Painting as one major subject in combination with one more subject, B.A. (Hons.) Drawing & Painting, B.F.A. with 3 specializations, B.Voc. in Textiles, M.A. Drawing & Painting, M.Voc. in Textiles, Postgraduate Diploma in Textile Design & Printing (PGDTDP), M.Phil. and Ph.D., 4 Work Experience courses at UG level, 1 Certificate Course for the graduate students and 1 Advanced Certificate Course for the students of B.A. (Hons.), 3 Modular Courses : Miniature Painting; Photography & Photo Journalism; Block Printing. The department is equipped with a Graphic Lab, Miniature Lab, Textile designing and Textile Printing Laboratories that are equipped with high end tools for fine art specialization. This year the department introduced two new B.Voc. programmes in Ceramic & Pottery and Commercial Art.



The number of students registered in the various programmes is shown in the following Figure.



This year the department received a grant of Rs. 16lakhs for MOOCs in Visual Art for duration of 15 weeks from UGC, MHRD. The department organised a Lecture cum demonstration on Visual Arts by Prof. Him Chatterjee Dean, Visual Art, H.P. University, Shimla on 7th February 2018.

The staff and students actively participated in Conferences/Workshops. Kanchan Kumari, presented paper entitled – कला में चेतन मन एवं अवचेतन मन की भूमिका in Colloquia organized by DEI on Sep. 11, 2017.

Dr. Namita Tyagi, presented a paper entitled 'भारतीय चित्रकला में पौराणिक सन्दर्भों की रचनाशीलता' and Dr. Sonika, presented a paper entitled 'The living culture of Indian mythological Painting' in the National Conference on The Treatment of Social and Environment Issues through Art, organized by Department of Visual Arts, THE IIS University, Jaipur, 5 -6 Jan. 2018.

## Publications

1. Kanchan Kumari, भारतीय चित्रकला में ललित कला एवं लोक संस्कृति का समावेश, ग्रंथालय, 5 (2), ISSN-2350-0530(O) ISSN- 2394-3629 (P) Dec.-2017.

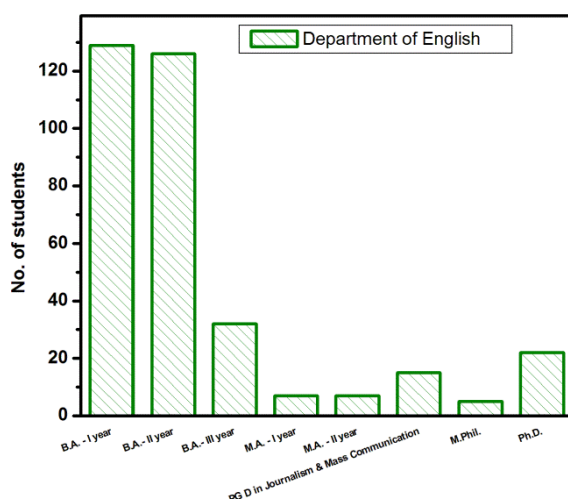
## Activities and Achievements of Students

The students of the department actively participated in intra and interfaculty events winning first prizes in Rangoli, Collage and Clay Modelling. Ms. Shivani student of BFA II year stood third in Collage Competition while Kumari Dolly, BFA II year student stood second in Rangoli in the North Zone Youth Festival held in Feb. 2018. Kumari Dolly also got the first prize in Rangoli (Group Competition) and Painting (Solo Competition), in the Inter University Competition 'Agrata- 18' held at GLA University, Mathura.

## Department of English Studies

The Department of English studies was established as an Undergraduate Department (1947) and Post-graduate Department (1969) as a part of Women's Training College and finally into DEI in 1981. The department introduced Ph.D. Programme (1984), Certificate Course in Journalism (1998), M.Phil. Programme (2008) and PG Diploma in Journalism and Mass Communication (2009). The department has 4 Professors and 8 Assistant Professors and runs Major as well as Half and Core Courses and Work-experience Courses on Secretarial and Journalistic Skills, Secretarial and Office Management Skills, Journalism and Mass Communication. The department has a State of the Art Language Lab cum Research Centre, a Desktop Publishing Lab, ICT enabled Classrooms and e- Class room with video conferencing facility. The department has active research collaborations with CAU, Kiel University, Germany and Madhubala Julka Institute of Communication and Electronic Media, affiliated to Indraprastha University, New Delhi. The department publishes the DEI News (monthly), the DEI Magazine, DEI- DEP Newsletter (monthly) and DEI-DEP Magazine.

The number of students enrolled in the different programmes of the department is shown in the figure.



## Activities

A three- day workshop was conducted from 28<sup>th</sup>-31<sup>st</sup> January 2017 at the information Neurocognitive Technologies Assisted Language Lab for Primary level learners. In the workshop 100 students of 4<sup>th</sup> and 5<sup>th</sup> classes participated. The efficacy of Technology Assisted Language Learning was tested and little learners were trained in learning English through Orell software installed in the Lab. The result was overwhelming and extremely positive. From session 2017 -2018 regular lab classes have started for children from 1<sup>st</sup> to 5<sup>th</sup> classes.

The Annual English Drama Festival was organized by the Department of English Studies in DEI main campus from 13-15 November, 2017. This much-awaited event witnessed some of the finest dramatic performances by the enthusiastic college and school students of both Dayalbagh as well as Agra district. Total five Faculties, one school and one college of DEI participated in the competition whereas three schools from Agra district competed in the event.

A Two-Day International Workshop on “Sanskrit and ICT: New Vistas in Teaching and Learning” was organized at the Information-Communication-Neuro-Cognitive Technologies Assisted Language Lab- (i-c-n-c-) TALL, DEI on 20th & 21st November, 2017. Dr. Bani Dayal Dhir, Coordinator (i-c-n-c) TALL gave the welcome address and a brief overview of (i-c-n-c-) TALL. The Keynote speaker Veda Varidhi Prof. P. Ramanujan, Former Associate Director, Indian Heritage and language Computing, C- DAC Bengaluru, delivered a talk on 'Frontiers of Knowledge in Sanskrit'. The workshop was also attended by the faculty members of Kiel University, Germany from where Dr. Justus Gronau, Cord Christian Casper & Frederik Kleiner gave their presentations.

The department also organised a workshop on March 19, 2018 on "Indian Poetics in Translation: Bhasha, Dalit and Feminist Literatures in English". Prof. Anna M. Horatschek, Prof. Zimmerman and Dr. Justus Conrad Gronau from CAU, Germany were the invited guests.

### Awards

Ms. VidhiJalan qualified the JRF/NET this year.

Prof. V. Premlata and Dr. Bani Dayal Dhir were honored with Raj Kumar Varshney Award for their research work in Systems Science by Systems Society of India (SSI) during Students Systems Conference (PARITANTRA 2017) organized on October 19, 2017.

Prof. Gurpyari Jandial was conferred the Best Paper Award in the IEEE Sponsored 41st National Systems Conference, held on October 19,2017 at DEI.

Dr. Gurpyari Jandial delivered an invited talk on 'India and Northern Europe: Identity formation, nation and knowledge transfer in the 19th and 20th centuries' in an International workshop at Kiel University Germany held during May 14-16 2017.

Dr. Bani Dayal Dhir was the Panelist in the East West Forum, TSC-2018, Arizona, US, April 2018.

### Publications

1. G.P. Jandial and Avneet Kaur, The Epical Saga of J.R.R. Tolkien's *The Lord of the Rings* as Fantasy Fiction, The Atlantic Critical Review Vol. 16, No.2, 2017. [ISSN No. 0972-6373]

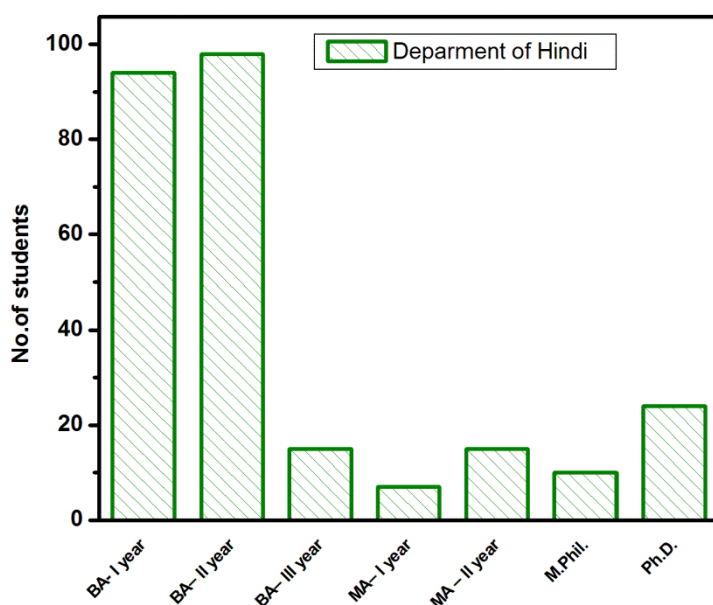
2. Yashvi Manglik, From Spirituality to Psychology: The Study of the BhagavadGita from the Perspective of Cognitive Behavioral Therapy. Daath Voyage: An International Journal of Interdisciplinary Studies in English, 183-189, 2017. [ISSN NO. 2455-7544]
3. Chhabi Seth, Value Based Journalism: The Need of the Hour, International Journal of English Language, Literature and Humanities, 103-109, August, 2017.

## Department of Hindi

The Department of Hindi is headed by Prof. Sharmila Saxena and has 2 Professors, 6 Assistant Professors and 1 Emeritus Professor. Since its inception at the undergraduate level the department offers various languages lab courses on हिंदी भाषा एवं साहित्य. An optional two semester work experience certificate course is offered for the honours students in जन संचार एवं पत्रकारिता. At the post graduate level it also offers courses on अनुवाद विज्ञान and ब्रजभाषा and several electives like प्रेमचंद, निराला, मुक्तिबोध, समकालीन हिंदी विमर्श, समकालीन हिंदी कविता, स्त्री विमर्श, दलित विमर्श, संत साहित्य और हिंदी नाटक. The thrust areas of research are हिंदी काव्य, हिंदी गद्य, काव्य शास्त्र एवं आलोचना. During the session, the department organised several special lectures that are listed below:

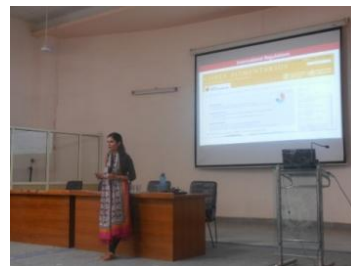
- ग़ालिब और उनका समय delivered by Prof. Pankaj Chaturvedi, Senior Faculty, Department of Hindi, Central University, Sagar, MP on 27 DEC 2017.
- Gender Sensitisation delivered by Dr. Avantika Shukla, Faculty, Women Study Centre, Mahatma Gandhi Antrarashtriya Hindi Vishvavidhyalaya, Jan 2018.
- हिंदी का भविष्य और भविष्य की हिंदी delivered by Dr. Vibhuti Narayan Ray, Ex-Vice Chancellor, Vardha University, Gujarat.
- कविता कैसे पढ़ें, कहानी कैसे पढ़ें delivered by Prof. Rajan Kumar, Ex- Head, Allahabad University in 2017 and Hindi Mein उच्चारण सम्बन्धी दोष, हिंदी में नुक्ते का प्रयोग in 2018.

The number of students registered in the various programmes is shown in the following figure.



## Publications

1. Ranjana Pandey, A chapter entitled “संघर्ष” was published in a book entitled  
सिनेमा की निगाह में थर्ड जेंडर, Editors: Dr. M Firoj Khan and Dr. Shipra Khatana, Published by Vikas Publication, Kanpur, First edition, 2018 (ISSN No. 978-81-936743-1-4)
2. Ranjana Pandey, चोटकहानी: मनोवैज्ञानिकता, विश्लेषण, पत्रिका, आलोचनदृष्टि, 10, 21-23, Publisher: Dr. Sunil Kumar Manassas, 2018 (ISSN No 2455-4219)
3. Ranjana Pandey, “कल जो बीत गया” DEI Magazine, 2017-2018



## Seminars attended

Ranjana Pandey, presented ‘राहुल सांकृत्यायन और आज का भारत’ in a 2 day National Seminar held in Department of Hindi, DAC College on 30-31<sup>st</sup> October, 2018.

## Achievements

Ms. Geetanjali Prakash qualified NET during the current session.

## Department of Home Science

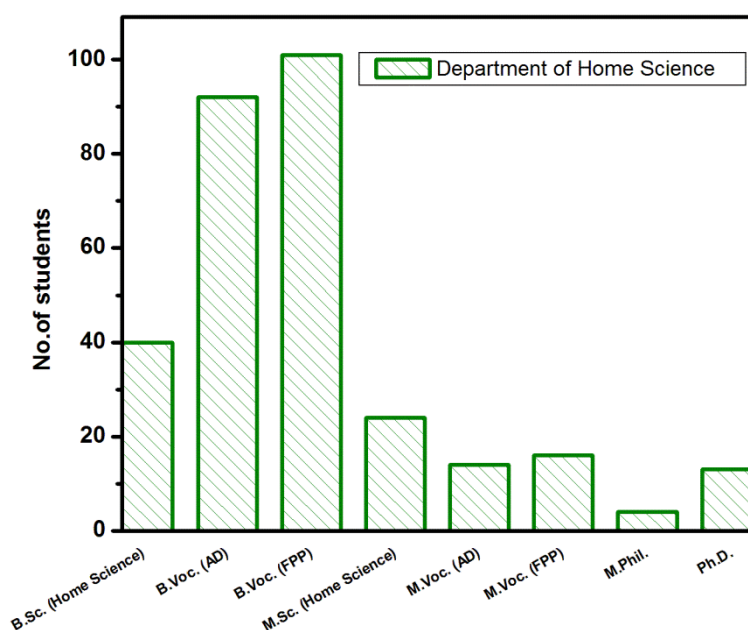
Home Science education aims at getting maximum satisfaction for the person and their family members through the efficient and scientific use of your resources. Over the years, the Home Science department at DEI has grown leaps and bounds in stature to emerge as a prominent Home Science programme in the country. It offers various programmes like B. Sc., B.Voc, M. Sc., M.Voc, M.Phil. and Ph. D. The syllabus has a practical orientation and renders the requisite knowledge and skills required for the specializations offered. The department is headed by Prof. Sangita Saini and has 1 Professor, 10 Assistant Professors and 1 Emeritus Professor.

The scope of Home Science in present day context has widened and it has taken its turn towards extension and outreach activities, skill development and entrepreneurship. The recent additions to the list of programmes include vocational programmes such as B.Voc and M.Voc programmes in Apparel Design and Food Processing and Preservation. This is also in line with the objectives of Ministry of Skill Development and Entrepreneurship, Government of India.

The department conducts state-of-the-art research in the various fields of Home Science. The major thrust areas of the department include Development of Occupational/Functional Clothing, Zero Waste Designing Techniques, Upcycling of Textile and Apparel Waste, Processing of Minor Millets, Processing and Development of Herbal products, Green Diet practices, Family Finances, Consumer Education, Community Development and women enterprise, Stress coping strategies and Parenting techniques.

The department has signed a MOU with Department of Biotechnology in connection with a foldoscope project and the Food Processing & Preservation Lab of the department received “fssai” Certificate from the Department of Food and Drug Administration, Government of Uttar Pradesh under Food Safety and Standards Act 2006, License Number: 12718001000446

The number of students registered in the various programmes of the department is shown in the following figure.



### Activities

Dr. Neha Kapil, Senior Scientific Officer, NITRA, delivered a lecture on “Garment Testing” and Dr. Shweta Saxena Senior Scientific Officer, NITRA, delivered a lecture on “Garment Production” to B.Voc. Apparel Design students on September 1, 2018.

FOSTAC-Advanced (Level-2) Food Safety Supervisor training on manufacturing was jointly organized by the Department of Home Science and Botany on 10<sup>th</sup> September 2018. 40 students from M. Voc Dairy, M. Voc Food Processing & Preservation and M.Sc. Plant and Microbial Technology (Botany) participated and successfully completed the training programme. They were trained and evaluated by FOSTAC approved Food Safety Expert (Trainer cum Assessor) Ms. Swati Goel. These students are now FSSAI approved, FOSTAC certified Food Safety Supervisors. This is the second batch of students from DEI certified as Food Safety Supervisors.

Dr. Meenu Singh, a Consultant with Vital Strategies & Food Safety & Standards Authority of India (FSSAI), delivered a special lecture on the National & International regulatory requirements of Food Packaging & Labelling Standards, to the students and faculty members of Food Processing & Preservation, Home Science and Dairy Technology departments on 6<sup>th</sup> October 2018. Dr. Singh is also an alumnus of DEI, from the Department of Home Science, Faculty of Arts.

A Workshop on Food Processing and Preservation was organized by Department of Home Science during 13<sup>th</sup> to 28<sup>th</sup> September, 2018 with active participation by the 1<sup>st</sup> semester students of B. Voc. (FPP). They were trained and evaluated by expert Mr. Manoj Dixit from UP State Govt. Food Preservation Science and Training Centre, Agra. Students learnt the process for the preparation of Pickle, Squashes, Syrup, Jam and Jelly in this workshop.

### Achievements

Ms. Anjali Gupta, M.Voc. student (FPP) was selected to pursue Internship of 6 weeks duration from fssai, Delhi.





Dr. Madhulika Gautam was conferred the 'Excellence in Science Communication Award-2018' in the 1<sup>st</sup> INDO-ASIAN Conference on Innovative Approaches in Applied Sciences and Technologies jointly organized by Scientific Educational Research Society, Meerut and Nong Lam University Ho Chi Minh City, Vietnam held during 13<sup>th</sup> to 17<sup>th</sup> June, 2018. Dr. Madhulika Gautam presented a paper entitled Empowerment Level amongst the Adolescent Girls in Agra District, judged a scientific poster session and chaired a scientific technical session at the Conference and achieved the Best Chairperson Award.

Dr. Richa Verma of the department delivered a talk on "Community Awareness and main streamline of the disabled and challenged individual at a National Conference held during 2-4 October, 2017.



### Projects Sanctioned

A project on The Impact of Personal hygiene on health in day to day life worth Rs. 8 Lakh has been sanctioned to Dr. Sangita Saini by the Department of Biotechnology for the duration April 2018 to March 2019.

### Publications

1. Charu Swami, Impact of demographic variables, Psychographic variables and product attributes on consumer preference for branched apparels, International Journal of Advanced Scientific Research and Management, 2018, UGC approved journal ID No. 63502
2. Charu Swami, fashion design practices: A papers, International clothing, Present and 978-93-84923-15-0, Dept. University of Calcutta,
3. Seema Kashyap, Savings Financial Security, Scientific Research, 9, 1(d),
4. Ajita Gupta and Seema District Consumer Forum International Journal of Research in Social Sciences, 2249-2496, 2017



"Development of Zero waste literature Review", book of conference on Textile and future trends, 2017, ISBN No: of Jute & Fabric Technology, Power Publishers, Kolkata. and Investment: Pillars of International Journal of Recent 23136-23140, 2018. Kashyap, Effectiveness of among Law Seeker Consumers,

### Papers presented in Conferences

Charu Swami, Sustainability in Apparel Design: Opportunity and Challenges, XXX11 biennial Conference of Home Science Association of India, (Family and Community Science: A catalyst for Sustainable Development Goals), held at Maharana Pratap University of Agriculture & Technology, Udaipur during 1-3 Feb 2018.

Suman Madan, Tulsi : A potential medicinal plant for prevention and treatment of Periodontitis, XXX11 biennial Conference of Home Science Association of India, (Family and Community Science: A

catalyst for Sustainable Development Goals), held at Maharana Pratap University of Agriculture & Technology, Udaipur during 1-3 Feb 2018.

Suman Madan, Impact of heavy metal on human health at National Institute of Nutrition Hyderabad, 22<sup>nd</sup> September, 2017

Suman Madan, Use of cinnamon in cure of periodontitis, Conference on Drug Discovery, India 14 and 15 September, 2017

## Department of Music

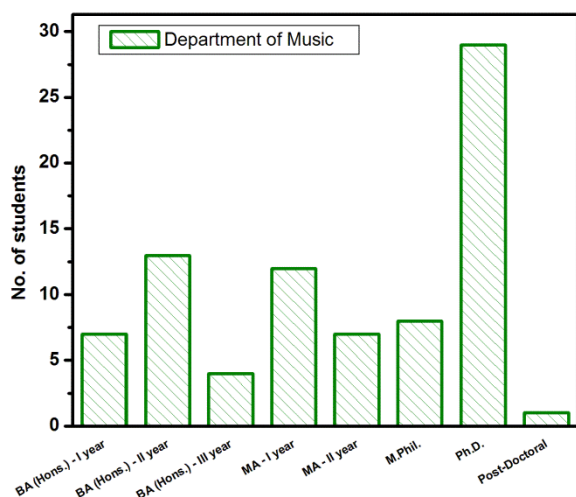
The Department of Music was established in the year 1950 as a department of Women's Training College affiliated to Agra University with only graduate course in vocal music. Gradually graduate courses in Tabla and Sitar were also introduced. Prof. Subhadra Kumari Satsangi is the Head of the department and has 4 Professors, 1 Associate Professor, 3 Assistant Professors and 1 Guest Faculty. Dr. Anjul Mittal was inducted as the Guest Faculty and Ms. Neetu Kumari and Mr. Bhanu Pratap Singh were appointed as Technician Grade III. At present the department offers graduate and postgraduate programmes in Vocal, Sitar and Tabla and a Post Graduate Diploma in Folk and Devotional Music. In the theory courses the department also includes the Study of Classical *संस्कृत* ग्रंथ like नाट्य शास्त्र, संगीत रत्नाकर, बृहद्देशी, musical references from Vedas, Ramayana and Mahabharat, Jain Granthas and Baudha Granthas and analyses of theories propounded by our ancient musicologists like Bharata, Pt. Sharangdeva, Acharya Brihaspati, Matang Muni, and theories propounded by modern musicologists like Jairajbhoy, Fox Strangways etc. The department also stresses on study of Western music and music of other nations, Science of Music, History of music, theories propounded by western musicologists and imparts knowledge of Carnatic, Rabindra and Folk Music. The department has also introduced ancillary courses for B.Sc., B.Tech. and B.A (Social Sciences) and introduced modular courses on:-

1. Folk Music of India
2. Repair and Maintenance of Musical Instruments
3. Gayaki of Agra Gharana

The Music department organizes cultural programmes for all the important events of DEI. The students of this department have won several prizes in Youth Festivals, as Voice of Agra and Sangeet Natak Academy. Under "SAP" Scheme of UGC, the Department had an opportunity to develop archives of Music with almost more than 50 Ragas by eminent and Graded Artists of AIR and Doordarshan like – Pt. Devvrat Chaudhary, Prof. Pt. Yashpal, Prof. Vidyadhar Vyas, Vidushi Suhasini Koratkar etc. The Department has also invited eminent music and Musicologists and Music Artists from India for Seminars and Workshops such as Prof. Devvrat Chaudhary (Delhi), Prof. Sanjay Banerjee (Rabindra Bharti), Prof. Anil Beohar, Prof. Mukund Bhale (Tabla) IKSUV Khairagarh, Pt. Gohadkar (Gwalior), Ustad Sayeed Zafar (Traditional Artist), Vidushi Suchaita Gupta (Varanasi) and many more. The thrust areas of research of the department are Music Education, Folk Music, Comparative Study of Western and Indian Trends, Analysis of the Contribution of Individual Musicians, Effect of Music on Prisoners, Aesthetics and Analysis of *Ragas* and *Talas*.

The number of students registered in the various programmes of the department is shown in the following figure





### Activities

In the current session the department organized a special lecture on “Melody & Harmony” with Divyansh Shrivastava, Krishna Upadhyay and Aditya Mishra as the invited artists and a workshop on उपशास्त्रीय संगीत में कजरी एवं चैती with Dr. Namrata Mishra as the artist.

### Achievements

The students of the department actively participated in inter and intra-faculty events. The winners of various events are listed in the following table.

Student Achievements	Name and class	Event/Exam	Rank/Position/Score
<b>Intra -faculty events</b>	Stuti Sharma - B.A.2 <sup>nd</sup>	Solo Dance	1 <sup>st</sup>
	Shilpa Sharma - B.A.2 <sup>nd</sup>	Solo Dance	2 <sup>nd</sup>
	Hritika Samarth	English Debate	3 <sup>rd</sup>
<b>Inter-faculty events</b>	Hritika Samarth – B.A 2 <sup>nd</sup>	Self Composed Poem 2017	3 <sup>rd</sup>
	Ruby Verma- M.A 1 <sup>st</sup>	Percussion Solo Instrumental	2 <sup>nd</sup>
	Arti Gupta – Hons.	Percussion Solo Instrumental	3 <sup>rd</sup>
	Archa Shrivastava- B.A 2 <sup>nd</sup>	Percussion Solo Instrumental	3 <sup>rd</sup>
	Darash Aadhari M.A 1 <sup>st</sup>	Percussion Non Instrumental	1 <sup>st</sup>
	Shakshi Prabhakar – M.A 1 <sup>st</sup>	Percussion Non Instrumental	2 <sup>nd</sup>
	Darash Aadhari Group	Indian Group Song	2 <sup>nd</sup>
	P.M Niharika- B.A	Classical Vocal Solo	

Ms. Anku Singh, Ms. Leena Prakash Shakya and Ms. Daras Aadhari qualified NET and Ms. Leena Prakash Shakya, Ms. Rajnee, Ms. Jyoti availed the SRF and Ms. Pragati Devi availed the JRF.

## Publications

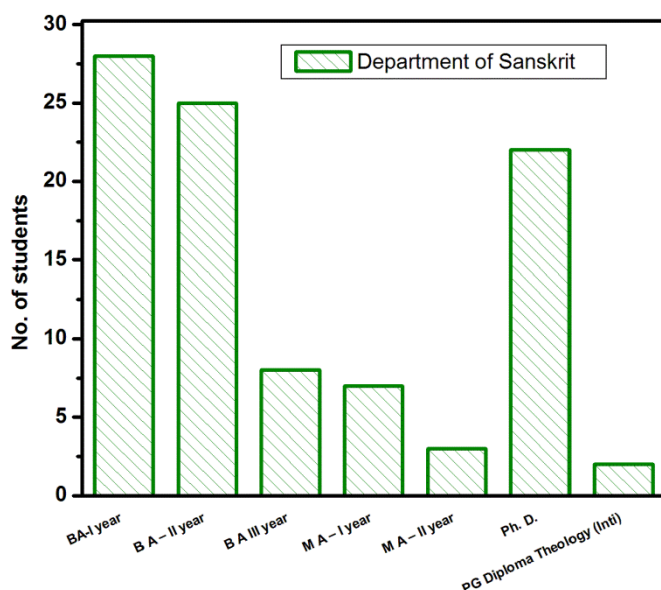
1. Sudha Sahgal, धमार A religious singing style of हरिदासी सम्प्रदाय, भैरव संगीत शोधपत्रिका, 13, pp-111, 2017(ISSN No. 09755217) Issue 13, Published by भैरवी दरभंगा, Bihar.
2. Sudha Sahgal, नट भैरव राग भोपालतोड़ी, संगीत मासिक पत्रिका, pp-4-15, 2017, Published by संगीत, हाथरस.

## Department of Sanskrit, Culture & Theology

The Dept. of Sanskrit was established in the erstwhile Women's training College offering Sanskrit language and literature courses at the undergraduate level in 1968 and became a part of Faculty of Arts with the establishment of the Dayalbagh Educational Institute as a Deemed University in 1981. In 1986, regular post graduate degree classes started with course offered in 'Sanskrit and Culture'. From the session 2013-14 the department also offers specialization in Grammar at the post graduate level. M.Phil in Sanskrit started from January 2009. Integrated programme in Theology (P.G. Diploma, M.A., M. Phil & Ph. D.) are also being run by the department since 2009-10. The PG diploma on Theology is run internationally through its Centres at New York, Chicago, Toronto, San Francisco, London and Waterloo, Canada. The department also offers two Core Courses 1) Indian Culture and 2) Comparative study of religion, each of one semester duration. These courses are compulsory for all Undergraduate students as well as students pursuing technical education (Technical College). The department also offers six semesters Work Experience course on Applied Sanskrit which tends to impart basic knowledge of Computer's to the students of Sanskrit. The department is making efforts to facilitate spoken Sanskrit and incorporation of Ethics and Indian Culture in the Curriculum. The department has also published the book on Indian Culture and Comparative study of Religion which is the textbook for these Core Courses of the Institute. The department is headed by Prof. Agam Kulshrestha and at present there are 3 Professors, 1 Honorary Professor, 2 Emeritus Professors and 5 Assistant Professors. In the current session 2 Technicians were inducted in the department.

The research areas of the department are Sanskrit literature (traditional and Modern), Puranas, Ethics, religion, Indian Philosophy, Grammar and Interdisciplinary topics related to Sociology, Economics, Management and Science. The members of the department have also authored several chapters like many सुश्लोक-कलापम्, आरुण्या, मेघा, संस्कृत-शिक्षणम्, वर्णोच्चारणम् in the I.C.N.C Tall (Information communication Neuro cognitive Technologies Assisted language lab). Since 2016 the department publishes a research journal, "शोध-प्रतिभा" and two volumes- शिक्षा-विशेषांक और आर्ष-संत-साहित्य-विशेषांक have been published. The department has also acquired two copyright (A) Test Tube Baby in Sanskrit Literature Copy right No - L30372/2008 and (B) संत कबीर साहिब कृत अनुराग सागर Copyright No.- L-66071/2017.

Shown in the following diagram is the number of students registered in the various programmes of the department.



### Activities

The department organizes several events and short term Sanskrit speaking courses like Sanskrit Divas (date), Sanskrit Sandhya, Sanskrit speaking camps, Sanskrit speaking through videos.

An International Workshop was organized with English department on the topic *Sanskrit and I.C.T- New Vistas in Teaching and Learning* in 2017 at I-C-N-C-TALL on November 20, 2017. A Sanskrit “शोध-परिषद्” has been constituted in 2018. The department organized the following special lectures on 22-23<sup>rd</sup> March 2018.

- अनुवाद प्रक्रिया delivered by Prof. Tarashankar Pandey, Shri Jagatguru Ramanandacharya, Rajasthan, Sanskrit Vishvavidhyalaya
- पाण्डुलिपि विज्ञान delivered by Prof. Shashi Kr Sharma, Shri Jagatguru Ramanandacharya, Rajasthan, Sanskrit Vishvavidhyalaya
- भारत से बाहर के शिलालेख delivered by Dr. Patanjali Bhatia, P.G.D.A.V. College Delhi.
- भारतीय दर्शन में चेतना के स्वरूप delivered by Prof. Surendra Kumar, Maharishi Dayanand University, Rohtak

### Achievements

The students of the department actively participated in various inter and intra-faculty events and won several prizes. Listed below are the achievements of the students in these events.

<b>Intra events</b>	<b>- faculty</b>	<b>Akansha Gupta</b>	<b>Self-composed Poem</b>	<b>2<sup>nd</sup></b>
		Mansi Jain	Self-composed Poem	3 <sup>rd</sup>
		NakashaYadav	Translation	1 <sup>st</sup>
		Yogita	Translation	2 <sup>nd</sup>
		Sadhana	Translation	3 <sup>rd</sup>
<b>Inter events</b>	<b>- faculty</b>	<b>NakashaYadav</b>	<b>Antyakshari</b>	<b>2<sup>nd</sup></b>
		Rakhi	Antyakshari	3 <sup>rd</sup>
		Chandrakanta	Antyakshari	Consolation

	Nirupama	ShlokGayana	1 <sup>st</sup>
	Mansi Jain	ShlokGayana	2 <sup>nd</sup>
	Akansha Gupta	ShlokGayana	3 <sup>rd</sup>
	Nakasha	Translation English to Sanskrit	1 <sup>st</sup>
	Sadhana	Translation English to Sanskrit	2 <sup>nd</sup>
	Yogita	Translation English to Sanskrit	3 <sup>rd</sup>
	Yogita	Satirical creative writing	1 <sup>st</sup>
	Pratishtha		2 <sup>nd</sup>
	Himani		3 <sup>rd</sup>

Ms. Savita of the department qualified the UGC-NET in 2017.

Dr. Nishith Gaur was conferred the खूम सिंह स्मृति Award 2017.

Prof. Agam Kulshrestha is the Member of Editorial Board of an International Research Journal, संचार, Published by Vinay Kumar Sharma, Quarterly Journal Lucknow) since 2017 and Editor of शोध प्रतिभा Research Journal of Sanskrit published by the Sanskrit department, DEI while Dr. Abhimanyu is the Co-editor.

### Projects

The following projects have been sanctioned to the members of the department from DEI.

1. Dr Priyanka Arya – Technology Assisted Language Learning worth Rs.2 Lac for duration of 18 months (Minor Project)
2. Dr Nishith Gaur [Principal Investigator], Co-PI's namely Dr. Sonal Singh, Dr. Namita Tyagi, Dr. Sonika, Dr. Shashi Shrivastava, Dr. Arti Singh, Dr. Preeti – भारतीय संस्कृति एवं दक्षिण पूर्वी एशिया में आंतरिक पारस्परिकता एवं मूल्यसंवर्धन का तात्त्विक अध्ययन, Duration 3Years, Amount 5 Lacs.

### Publications

1. Agam Kulshrestha, e-book चेतना का सागर अनुराग सागर, <https://www.dei.ac.in>
2. Anita Singh, गौ एवं गौ से प्राप्त वस्तुओं का चिकित्सा-विज्ञान को योगदान, शिक्षामित्र, 221-226, 2017. (ISSN-0976-34060)
3. Anita Singh, गाथा सप्तशती एवं वर्तमान लोक-व्यवहार में मुहावरे- लोकोक्तियाँ, वैचारिकी, 62-69, 2017 (ISSN-0975-6531), Publisher Dr. Sheelak Ram, Kurkshetra, Haryana.
4. Nisith Gaur, वसुधैव कुटुंबकम् – भर्ती में भारतम् के परिपेक्ष्य में प्रवासी हिंदी साहित्य, Page 787, Takshila Prakashan, New Delhi, 2018 (ISBN 978-81-7965-311-1)
5. Nisith Gaur, तेजेन्द्र शर्मा का सौंदर्य बोध - तेजेन्द्र शर्मा का रचना संसार, Page no. 94-100, Vinaya Prakashan, Hanspuram, Kanpur, 2018 9 ISBN 978-81-89187-61-3)
6. Priyanka Arya, भगवद्-गीता का कर्म-आलोचना, द्रष्टा, 18 (13), 50-54, 2017. Published by Acharya Sheelak Ram, Acharya Academy Bharat, Haryana (ISSN-2348-0114)
7. Priyanka Arya, वैदिकसाहित्ये सामाजिकी समरसता, द्रष्टा, 18 (5), 29-34, 2017 (ISSN-2277-2480) Published by Acharya Sheelak Ram, Acharya Academy Bharat
8. Priyanka Arya, नीतिशतक में प्राप्त शिक्षाएँ, द्रष्टा, 18 (5), 52-58, 2017 (ISSN-2277-2480)
9. Priyanka Arya, वर्तमान शिक्षा व्यवस्था में मूल्यपरकता की आवश्यकता, द्रष्टा, 18 (5), 108-111, 2017 (ISSN-2320-8325)
10. Priyanka Arya, वाल्मीकिरेव जाने अनुशीलनव्रतम्, शोध प्रतिभा, 6-8, 2018

11. Priyanka Arya, संस्कृतेन विश्वशान्तिः, DEI Magazine, 2018
12. Nandini Raghuvanshi, धर्म सारमिदं जगत्-महर्षिवाल्मीकिः, शोध प्रतिभा, 6-8, 2018
13. Nandini Raghuvanshi, भारतीय-संस्कृतिः DEI Magazine, 2018

#### Papers presented in Conferences

1. Abhimanyu, paper entitled ऐतरेय आरण्यक में निरुक्ति विज्ञान in Rashtriya Vaidic Shodh Sangoshthi on आरण्यक वांगमय में विविध विद्या held at Swami Samarpan and Vaidik Sodh Sansthan, Gurukul Prabhat Ashram, Meerut, 14 Jan 2017.
2. Abhimanyu, paper entitled त्रैतवाद : मुण्डक उपनिषद् के परिप्रेक्ष्य में in Rashtriya Vaidic Shodh Sangoshthi on उपनिषदों में विविध विद्या held at Swami Samarpanand Vaidik Sodh Sansthan, Gurukul Prabhat Ashram, Meerut, 13 Jan 2018
3. Abhimanyu, paper entitled कवि और काव्यशास्त्रज्ञ के रूप में महर्षि दयानन्द in 3 day Rashtriya Sangoshthi on स्वामी दयानन्द सरस्वती - एक क्रांतद्रष्टा समशोधक held at Central University of Haryana, Organized by ICPR, New Delhi and Swami Dayanand Saraswati Peeth, CUH, Haryana, 16-18 Feb. 2018
4. Abhimanyu, paper entitled नारायण भट्ट कृत प्रक्रिया सर्वस्व में काव्यात्मक सौन्दर्य in अखिल भारतीय संस्कृत सम्मेलन of Delhi Sanskrit Academy (Govt. of Delhi), 25-27 March 2018
5. Priyanka Arya, paper entitled शतपथ-ब्राह्मणे सम्भव-विमर्शः at 2 day National Seminar on शतपथ-ब्राह्मणे विविधविद्याः गुरुकुल प्रभात आश्रम, Meerut in collaboration with Uttar Pradesh Sanskrit Santha, Lucknow on 22<sup>nd</sup>-23<sup>rd</sup> August, 2018
6. Nandini Raghuvanshi, paper entitled शतपथ-ब्राह्मण में छंद तथा छंद का व्यावहारिक पक्ष at 2 day National Seminar on शतपथ- ब्राह्मणे विविधविद्याः गुरुकुल प्रभात आश्रम, Meerut in collaboration with Uttar Pradesh Sanskrit Santhan, Lucknow on 22<sup>nd</sup>-23<sup>rd</sup> August, 2018
7. Priyanka Arya, paper entitled महिला-सशक्तिकरणके पुरोधा स्वामी दयानन्द सरस्वती at 2day national Seminar on स्वामी दयानन्द सरस्वती, आर्य समाज का शिक्षा या प्रसार पुरुष organized by Swami Dayananada Saraswati Chair, Central University of Haryana, Mahendragarh in collaboration with ICHR, New Delhi 19-20 March, 2018

# FACULTY OF COMMERCE 2017-2018





## Faculty of Commerce

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As a part of erstwhile REI Degree College, Commerce faculty has the honor of being the oldest faculty of DEI. B.Com education in Dayalbagh started in 1947. The faculty with two departments; Applied Business Economics and Accountancy and Law, is catering to the needs of ever growing economic setting of the country since its inception. Since July 2008, the faculty is offering the B.Com. (Hons) course at different parts of the country (some of them are remotest tribal areas) through the Distance Education Cell of the University. So far, the course is the only degree course of the University being launched through distance education mode. Commensurate with the Education Policy of DEI to bring about overall development of the student, the curriculum extensively focuses not only on the updated conceptual dimensions of various subjects offered by the two departments but also the students are required to carry out real-life project works. The latest curriculum design was introduced through the National Workshop on Commerce Curriculum in Changing Scenario organized by the faculty 2008. With regular participation in National and International conferences, seminars, workshops and contribution to various journals of national and international repute, faculty members of both the departments continue to upgrade their knowledge. Different forums of the faculty facilitate the placement and personality development programs for the benefit of the students. Over a period of time, faculty placement cell has made remarkable achievements in terms of on-campus and off-campus placement of students in companies of repute (IBM Daksh, American Express Bank, HDFC etc.) The faculty comprehensively focuses on research in the areas of Macro Economic Analysis, International Trade, Financial Reporting practices, Accounting Standards and Corporate Governance. Alumni of the department are expressively performing in Multinational Corporations, placed at higher positions abroad, are rank holders in Chartered Accountant Examinations, Company Secretaries Examinations and other Competitive Examinations.

### Programmes Offered:

1. B.Com. (Hons) (jointly with Dept. of Applied Business Economics)
2. B.Voc. Accounting and Taxation
3. B.Com (Integrated Corporate Accounting and Law)
4. M.Com. (jointly with Dept. of Applied Business Economics)
5. M.Phil. (jointly with Dept. of Applied Business Economics)
6. Ph.D.

### Department of Accountancy & Law

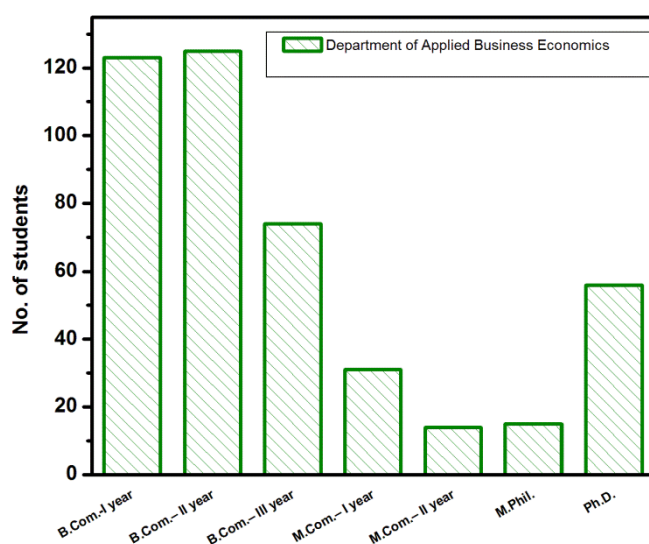
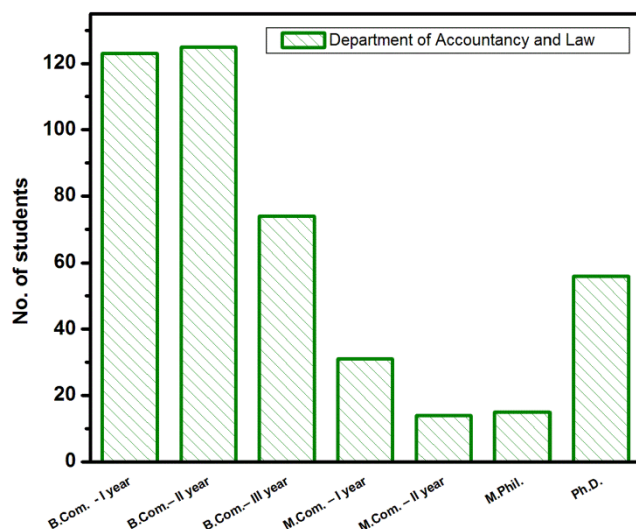
The nucleus of Commerce education is the accounting and financial analysis and modeling of real life decision situations. The department of Accountancy & Law caters to this ever growing area under the aegis of Faculty of Commerce. The department is headed by Prof. Pramod Saxena and comprises of 5 Professors and 3 Assistant Professors. The department offers B.Com. (Hons), B.Com. (Hons) Distance Mode, B.Voc. (Accounting and Taxation), B.Com (Integrated Corporate Accounting and Law) M.Com, M.Com. (International Business), Integrated M.Com. with B.Ed., Integrated B.Com. with MBA, M.Phil (Dual Mode) and Ph.D. To impart relevant quality education considering the present day needs, the department offers various work based vocational courses in the area of Tax Planning and Management, Computer Applications in Accounting etc. Department is contributing significantly to impart most up-to-date and quality education to its students. The department places high degree of importance to research activities as well. So far, 36 Ph.D. have been successfully completed in the department and 33 Ph.D. are ongoing. The department has undertaken and successfully completed 2 Major UGC Projects (one completed and one ongoing) and 3 Minor UGC Projects. 8 Research Scholars of the department have qualified JRF, 16 have qualified UGC-NET and 10 research scholars

have been awarded the Rajiv Gandhi Fellowship. Alumni of the department are expressively performing in Multinational Corporations, placed at higher positions abroad, are rank holders in Chartered Accountant Examinations, Company Secretaries Examinations and other Competitive Examinations.

### **The Department of Applied Business Economics**

The Department of Applied Business Economics together with the Department of Accountancy and Law of Faculty of Commerce is catering to the needs of ever growing economic setting of the country since its inception. It has consistently practiced the policy of continuous up gradation, particularly when the time comes to reinvent itself in the context of the changing global scenario. The present strength of the department is 2 Professors, 2 Associate Professors, and 4 Assistant Professors with Prof. ... being the Head. The faculty members of the department have completed many research projects and are continuing with on-going research projects sanctioned by University Grants Commission. The faculty members of the department continue to enrich and broaden their knowledge with regular contribution / participation in National and International conferences, Seminars, Workshops etc. The Department focuses comprehensively on training and research that is an integral part of the core teaching activity. Faculty members have a considerable number of books and research papers/ articles published in the journals of national and international repute over a period of time. The research carried out in the department covers a wide variety of topics from the areas of Macro Economic Analysis, Economic Modelling, Banking, Insurance, Finance, International Business, and Econometrics. The members of the Department have been instrumental in organizing various conferences/ seminars/ workshops within the Department and outside at the university level. At present, the Department together with other associated departments is offering B. Com., B. Com. (Hons.), B. Com. (Hons.) integrated with MBA, M. Com., M. Com.(International Business), M. Com. (Integrated with B. Ed.), M. Phil. (Dual mode), Ph. D. and Ph. D. (Integrated with M Phil). The department enjoys wide recognition which enables the graduating students securing admission in the higher degree/ professional courses within the institute as well as other renowned universities/ institutions of the country and abroad. The students of the department have been toppers of ICSI, rank holders of ICAI, ICSI, and also qualified civil services examinations. The alumni of the Department occupy distinguished positions in almost all spheres of society, government, bureaucracy, banking, insurance, finance, general management, civil services, academics, business, journalism and mass media. Many of them are also successfully managing their own business / professional establishments in India and abroad.

The number of students enrolled in the different programmes during the session 2017-2018 is shown in the figure.



### Seminar/Symposia/Conference Organized

- 1- Two Day National Conference organized on Financial Reforms in India on 13-14 January, 2018
- 2- Two Day Multi-Disciplinary National Conference on Pre-Doctoral Research on 6-7 Sept. 2018.

### Recognition

1. Prof. L.N.Koli is the Member of Chief Advisory Board of Horizon – A Biannual periodical by Management & Commerce Students published by RNT University, Bhopal
2. Prof. Shalini Dubey is the Board Member of Amity Journal of Economics
3. Prof. L.N.Koli was a Key-Note Speaker and Chief Guest on Contemporary Practices for Excellence in Commerce and Management organized by Indian Accounting Association, Gwalior Chapter in Dream Valley College, Gwalior on 6 May, 2018.

## Achievements

Student Achievement	Name	Class	Events / Exam	Rank
<b>Intra Faculty Events</b>	Mahima Satsangi	B.Com I Year	Hindi Essay	I
	Kuldeep Singh	B.Com I Year	Skit	II
<b>Inter Faculty Events</b>	Mahima Satsangi	B.Com I Year	Hindi Poetry	I
	Mahima Satsangi	B.Com I Year	LIC Essay	II
<b>Anjali Gautam</b>		B.Com I Year	4 <sup>th</sup> International Yoga Day	I
			District Karate Championship	I
			8 <sup>th</sup> Chitah Jeet Kune Do National Championship 2018	I
			Akhil Bhartiya Vidhyarthi Parisad (ABVP)	I
			II District Karate Championship	I
			UP State Karate Cup 2018	I

## Publications

1. Pradip Ram and Rachna Gupta, Environmental Disclosure of Oil and Gas Companies of CPSES: A Case Study, *Hermeneutics*, 8(2), 131-134, 2018.
2. L.N.Koli and Rajni Chhabra, Forensic Accounting: A Future way of Accounting, *Shodhaytan [RNT University Journal]*, 1, 775-779, 2018.
3. Sanil Kumar and Saurabh Prasad, A Contrast between Accounting Standard-17, Indian Accounting Standard-108 and International Financial Reporting Standard-8, *International Journal of Research In Commerce & Management*, 9 (9), 28-31, 2018. ISSN Number 0976-2183
4. Rakesh Kumar, Impact of raw material prices on share prices with reference to crude oil, rubber and coal, *Global Academic Research Journal*, 6(3), 89-100, 2018. ISSN: 2347-3592
5. Prem Kumar Sinha and Pravin Saxena, Enhancing learning outcome through Innovative Continuous Evaluation, *Academic & Administrative Audit in Higher Education Institutions*, ISBN-978-93-85531-99-6
6. Abhay Kant, Shobhit Sagar, L. N. Koli, Impact of Make in India Campaign on Merger and Acquisition, *Shodhaytan [Aisect University Journal]*, 4(8), 2017 ISSN Number 2349-4190
7. Anisha Satsangi, Stress Level of Working Women with Special Reference to Residence of Agra: An Analytical Study of Dayalbagh Colonies, 4(8), 719-729, 2017.
8. Shobhit Sagar, Abhay Kant, L. N. Koli, Significance of Monetary Policies for Control of Inflation, *Shodhaytan [Aisect University Journal]*, 4(8), 736-741, 2017. ISSN Number 2349-4190
9. L.N.Koli, SPEAFP Score Card – A Tool of the Corporate Star Rating, *Shodhaytan [Aisect University Journal]*, 4(7), 558-567, 2017. (ISSN Number 2349-4190)
10. Sanil Kumar and Parul Saraswat, An Empirical Study on the Stock Market Volatility with respect to Sensex: With Special Reference to Power Sector, *International Journal of Research In Commerce, Economics & Management*, 7(11), 41-43, 2017 ISSN Number 2231-4245

9. Nidhi Sharma and Sarita Gautam , Impact of Foreign Direct Investment on Indian Stock Markets – An Empirical Study, International Journal of Research in Economics and Social Sciences (IJRESS), 7 (7), 2-42, 2017 ISSN(o): 2249-7382
10. Rakesh Kumar and Shalini Sagar, A study on sustainability report practices as per GRI guidelines in selected automobile companies, National Journal of Multidisciplinary Research and Development, 2(3), 97-105, 2017 ISSN: 2455-9040
11. Shalini Sagar and Rakesh Kumar, A Study of Impact of Raw Material Prices on Share Price with special reference to Crude Oil Price and Nifty Energy Index, International Journal of Research in Commerce & Management, 8(7), 82-85,2017 (ISSN 0976-2183)
12. P.D. Saini and Suruchi Satsangi, A Study of Financial Performance of Merger and Acquisition with Reference to Kotak Mahindra Bank and Ing Vysys Bank, Journal of Multidisciplinary Studies, 6 (8), 101-107, 2017 ISSN No. 2348-0459
13. Pooja Singh and Pravin Saxena, Value added ratios as a performance indicator for profitability and productivity measurement: A study of selected Indian companies, Prastuti- Journal of Management and Research, 6, 2017 ISSN No. 2320-22620
14. Pooja Singh and Pravin Saxena, Value Added Reporting in India: An Empirical Study of Bharat Heavy Electricals Limited (BHEL), International Journal of Applied Services Marketing Perspectives, 6 (3), 3139-3146, 2017 ISSN 2279-0977 ISSN Online2279-0985

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## FACULTY OF EDUCATION 2017-2018

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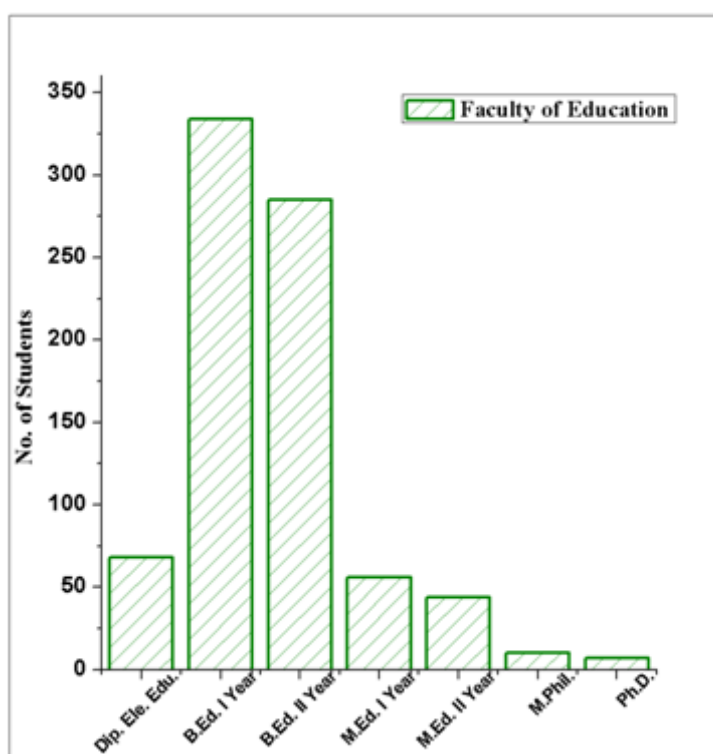




## Faculty of Education

With the merging of the Departments of Education of the erstwhile Women's Training College and the REI Degree College, the Faculty of Education came into existence in the year 1981 as one of the Faculties of DEI. The Faculty has two Departments which offers UG/PG/MPhil/Ph.D. as well as Diploma Programme. The Faculty aims at preparing dedicated, skilled, knowledgeable and creative quality teachers possessing high standards of professional ethics to stand up to the evolving demands of the educational system and the society at large. The Faculty also aims at preparing quality teacher educators who perform complex duties ranging from effective classroom teaching to moulding the value system of pupils and undertaking administrative responsibilities with sincerity. It thus prepares teacher educators and researchers to play a leading role in their profession. The faculty comprises of Departments of Pedagogical Sciences, headed by Prof Archana Kapoor, and Foundations of Education, headed by Prof K C Vashishtha also the Dean of Faculty. Both the Departments complement and supplement each other with total synergy.

The number of students enrolled in the different programmes of the department is shown in the figure.



### Achievements

Six students - Tammana Satsangi, Deeksha Singh, Shivani Vashishtha, Shalini Singh, Gurpreet and Preeti Satsangi qualified NET-JRF and Sanjay Kumar, Aparna Singh, Raksha and Manoj qualified NET-LS.

In various Inter-Faculty events the students procured 63 winning positions.

### Workshops Organized

- Workshop on Library E-Resources

A two days workshop on 'Library e-Resources, Services and Products (Open Access and Paid e-Resources)' was organized from June 08-09, 2018. Prof K.C. Vashishtha, Dean Education Faculty and Ms Simran Gupta, Professional Assistant, Architecture Faculty Library, were the Coordinator and Co-coordinator of the Workshop respectively. Twenty-nine research scholars and five teachers of Faculty of Education participated in the Workshop. Prof. S.P. Kaushik, Chairman of Library Advisory Committee & Dean of Faculty of Commerce and Dr Mange Ram, In-charge Central Library were invited Guests. Lectures on online-resources, services and products of DEI Central Library, e-resources as- J-Gate, Wiley Online Library, Springer Database, Project Muse, Taylor And Francis, Nature Database, Economic And Political Weekly (EPW) and Journal of Deaf Studies and Deaf Education (Oxford



Academics) accessible via e-Shodh Sindhu Consortium, How to access research material from Developing Library Network (DELNET) and Reference Management Software Programs (Exp- EasyBib, Mendeley & Endnote, etc. Hands-on-practice about how to use open access e-resources like Directory of Open Access Journal (DOAJ), Directory of Open Access Repository (DOAR), CORE Repository, Online Journal Access System (OJAS), etc was provided.

### Workshop on Research Methodology

A four days workshop on Research Methodology & SPSS with AMOS was organized in the Faculty for Research Scholars from 11<sup>th</sup> June to 14<sup>th</sup> June 2018. Lectures were delivered by Prof K.C. Vashishtha, Dean Faculty of Education and other resource persons from the Faculty of Education. Interactive and practical sessions were held to train the students in using SPSS and AMOS.

### Workshop on Professional Development Programme for In- Service DEI Primary School Teachers

A three day workshop on 'Professional Development Programme, Coordinated by Dr Sona Ahuja, for In- Service DEI Primary School Teachers' was organized from 28-30, June, 2018. The themes of the workshop were 'Learning Outcomes & Classroom Transactions', 'Pedagogical Practices for Primary Level of Education' and 'Positive & Developmental Psychology'. Prof Archana Kapoor delivered the welcome address. The resource persons included experts from Dept. of Psychology, DEI; Dept. of Foundations of Education, DEI; Dept. of Pedagogical Sciences, DEI; Teacher Education Dept., Arizona

State University, USA and Primary School, Walsal, UK. 22 school teachers from DEI P.V. Primary School, Agra and R.S. Saran Ashram Nagar School, Agra participated from DEI and 31 school teachers from Soami Nagar Model School, ICT Delhi, R.S. Primary School, ICT Murar Center, R.S. High School, ICT Timarni, Roorkee Model School, ICT Roorkee Centre participated virtually in the workshop.



### MOU, Collaborations and Exchange Programmes

- Joint Research Colloquium was held between College of Education (COE), Michigan State University, Michigan, USA and Faculty of Education on April 9, 2018.
- MoU : College of Education(MSU) and DEI FACULTY EXCHANGE PROGRAMME (15 June 2017)

### Projects Sanctioned

The following projects were sanctioned to the faculty members from the UGC Plan Capital Assets Fund

1. Implementation of Education for Sustainable Development through Scholastic and Non-Scholastic activities with reference to Social science curriculum in primary schools of DEI, worth Rs.1 Lakh sanctioned to Mr. Bajrang Bhushan.
2. Effect of Infographic designing on environmental awareness, ecological and cognitive aptitude among upper primary students of Dayalbagh schools worth Rs. 1 Lakh has been sanctioned to Dr. Neha Jain.
3. A Project on theme “Digital Life” worth Rs. 49,00,000 has been sanctioned to Mrs. R. Jeyam (PI), Dr. Neetu Singh (Co-PI) and Dr. Rohit (Co-PI) for the duration of 5 years.
4. Development of holistic approach for quality of life to ensure social sustainability has been sanctioned to Dr. Anjana Verma, with Mr. Bajrang Bhushan as Co-PI worth Rs.11,20,000 for a duration of 5 years.

### Courses Attended

Dr Bajrang Bhushan of Dept. of Foundations of Education attended Orientation Course organized by Teaching Learning Centre for Hindi Studies, Mahatma Gandhi Aatarrashtriy Hindi Vishwavidyalaya, Wardha (Maharashtra) and UGC-HRDC, Rashtrasant Tukdoji Maharaj Nagpur University, Nagpur (Maharashtra) from 14<sup>th</sup> May to 10<sup>th</sup> June 2018 and was awarded grade A.

Dr. Priti Saini and Ms. Mugdha Sharma were inducted during the session as faculty members.

### Publications

1. K.C.Vashistha and Aditi Bapte, Hill, Skill & Will: Dyscalculia & Executive Functioning, Journal of Advances & Scholarly Researches in Allied Education, 15(5), 61-65, 2018. ISSN Number 2230-7540.
2. K.C.Vashistha and Priyanka Mittal, Is Demographic Determinants affect Quality of work life (QWL) in Higher Education (HEI) Teachers, International Journal of Research in Humanities, Arts and Literature, 6(8), 215-226, 2018. ISSN No. 2321-8878(print), 2347-4564 (online).
3. Savita Srivastava and Neha Gupta, Environmental Education and Environmental Protective Behaviour, International Journal of Creative Research Thoughts, 6(1), 1764-1771, 2018. ISSN No. 2320-2882.
4. Manisha and Nandita Satsangee, Developing a Programme for Integrating Innovation Skills in the Secondary School Curriculum, International Journal of Scientific Research, 7(2), 24-25, 2018. ISSN No. 2277-8179.
5. Shivani Vashishtha, Sona Ahuja and Mani Sharma, Impact of Facebook Addiction Disorder on Study Habits and Academic Achievement of Adolescents, MIER Journal of Educational Studies, Trends & Practice, 7(2), 195-207, 2018. ISSN No. 0976-8203.
6. Anjana Verma and NPS Chandel, Effect of Proxemics on Academic Achievement of Learning Disabled Students in Inclusive Classroom, Scholarly Research Journal for Interdisciplinary Studies, 6(46), 10833-10841, 2018. ISSN No. 2278-8808
7. Sona Dixit and Ruchi Gautam, A Study of Discriminatory Practices Based on Gender Perceived By Secondary School Students of Agra District, AE International Journal of Multidisciplinary Research, 5(6), 1-7, 2017. ISSN No. 2348 – 6724.
8. Sona Dixit, The Grass Is Not Greener on the other side -Are Migrant Workers Happy? A Case Study of Construction Workers in Nainital, Social Research Foundation, 2(3), 18-21, 2017. ISSN No. 2394 0344.
9. Bajrang Bhushan, Character Transformation via Indigenous Psychology for World Peace, Printing Area, 2(36), 84-88, 2017. ISSN No. 2394-5303.
10. Anjana Verma, Effect of Eye Contact on Academic Achievement and Educational Adjustment of Learning Disabled Students in Inclusive Classroom, Shiksha Shodh Manthan, 3(2), 47-56, 2017. ISSN No. 2395–728X



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# FACULTY OF ENGINEERING 2017-2018

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# Faculty of Engineering

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Faculty of Engineering, Dayalbagh Educational Institute was founded in 1950 as Dayalbagh Engineering College in response to the country's needs for trained technical manpower. It became a part of the Dayalbagh Educational Institute (Deemed University) in the year 1981. *The Faculty has four departments, Civil Engineering, Electrical Engineering, Footwear Technology and Mechanical Engineering that offer a number of programmes at the undergraduate, postgraduate and doctoral levels.* The faculty offers Full Time Four Year Bachelor of Technology in Civil Engineering, Electrical Engineering, Footwear Technology and Mechanical Engineering and Full Time Five Year Bachelor of Architecture. In addition the faculty also offers Integrated Dual Degree Courses like BCom /BBA integrated Footwear Technology Dual Degree and a Part Time Bachelor of Technology in Electrical Engineering. At the postgraduate level the faculty offers Full Time Master in Technology in Engineering Systems, Full Time Master in Technology in Engineering Systems with specialization in Computer Science, Part Time Master in Technology in Engineering Systems. The faculty also offers Doctor of Philosophy: PhD (Fulltime) and PhD (Part Time) and Integrated BTech, MTech and PhD programmes. Prof. K.Hansraj, the Head of Mechanical Engineering department is the Dean of the Faculty.

## Department of Electrical Engineering

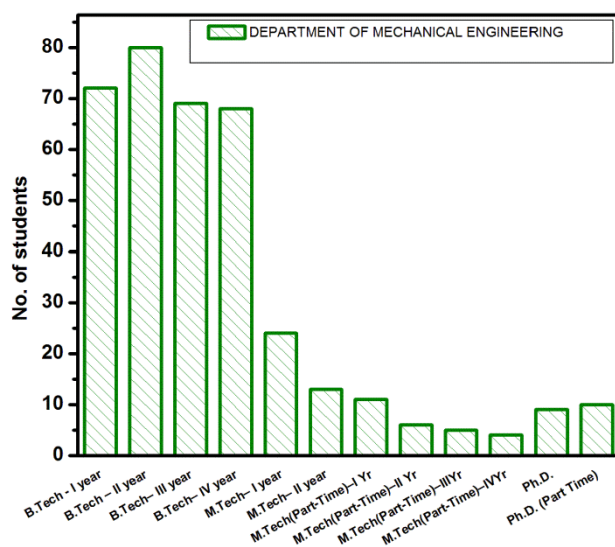
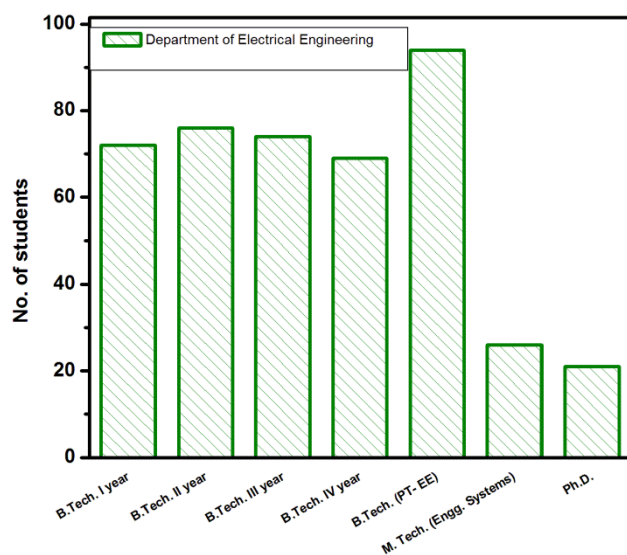
The department is headed by Prof. A.K. Saxena and comprises of 6 Professors, 4 Associate Professors, 9 Assistant Professors and 3 Emeritus Professors. The department offers B. Tech. (Electrical Engineering), B. Tech. (Electrical Engineering with specialization in Electronics), B. Tech. (Electrical Engineering with specialization in Computer Science), B. Tech. (Part time in Electrical Engineering) and M. Tech. (Engineering Systems) and supports Skill Courses like B. Voc. (Renewable Energy), M. Voc. (Renewable Energy) and Modular Course on Solar Power Technician. At the UG and PG level a broad-based course structure enables the students to acquire core competence and specialization in the fields of Power Systems, Electrical Machines, Electronics and Computer Science by way of core courses, electives, and focused projects. An innovative and unique M. Tech. Programme in "Engineering Systems" is jointly conducted with the Mechanical Engineering Department. At the research level the Department has focused on cutting edge soft computing technologies and their applications in diverse fields of Electrical Engineering. The current research interests can be classified into the following broad disciplines: Systems Engineering, Signal Processing, Power Systems, Soft Computing & Quantum Algorithms, Mobile Telecommunication Networks, Search Based Software Engineering and Electrical Drives. The department is both UGC-SAP and DST-FIST funded.

## Department of Mechanical Engineering

The department comprises of 6 Professors, 2 Associate Professors, 11 Assistant Professors and 3 Emeritus Professors. The department offers B.Tech. (Mechanical Engineering), B.Tech. (Mechanical Engg. with specialization in Industrial Engineering), B.Tech. (Mechanical Engg. with specialization in Computer Science), M.Tech. in Engineering Systems and M.Tech. in Engineering Systems (Part-time). At the UG and PG levels a broad-based course structure enables the students to acquire core competence and specialization in the fields of Production Engineering, Industrial Engineering, Thermal Engineering, and Design Engineering by way of core courses, electives, and focused projects. At the research level, the department has a prominent presence in the following diverse fields of Mechanical Engineering: Intelligent Manufacturing Systems, Energy Systems, Bio-Medical Engineering, Supply Chain Management and Decision Support Systems. The research *areas of the*



department include Computer Aided Design and Optimization, Production Processes and Manufacturing, Energy Management and Renewable Energy, Industrial Engineering, Ergonomics, Fuzzy Systems and Biomechanics, Intelligent & Agile Manufacturing Systems, Soft Computing and Quantum Computing and Additive Manufacturing.



### Achievements and Awards

- The Department of Electrical Engineering received the U.P.State Energy Conservation Award on 14.12.2017 at Lucknow.
- Prof. K. Hans Raj was conferred the Vikram Award by the System Society of India and also received the Best paper award for a paper in International Journal of Computer Sciences and Engineering.
- Dr. Kumar Ratnakar was conferred the Swami Vivekanand Award by the NSS unit of DEI.
- Prof. Ranjit Singh (Emeritus Professor) was awarded the Emeritus Fellowship of UGC for a period of two years along with a Contingency Grant of Rs. 1.00 lakh.
- Abeer Saxena, Mehar Saran, Punarvasu Sharma, Achraj Prakash jointly won the First Prize in the Mitsubishi Cup, 2018 with a Cash award of Rs. 1.00lacs and a trip to Japan.
- Sant Saran Final Yr student won the First Prize in the Innovative Student Project Award, INSA, 2017.

- Ankit Premi B Voc student won the First Prize Best Solar Training Institute, MNRE, 2017.

### The following students qualified GATE 2017

Aarta Prasad , Abhinav Gupta, Agam Thind , Amit Kumar, Amit Kumar, Amol Agarwal, Anand Swarup, Nigam, Archit Agarwal, Avinash Kumar Thakur , Deepanshu, Harpreet Kaur , Mohit Sharma, Navneet Singh, Piyush Yadav, Rajat Goswami, Shashank Garg, Shekhar Singh, Vivek Kumar Soni, Shuki

### Student Achievements in Faculty Cultural Competitions

Event	I	II	III
<b>G.K. Quiz</b>	Krishna Murari Pal	Aditya Kumar	Sanket Upman
<b>Spot Photography</b>	Nishtha Parashar	Rishabh Gupta Vajid Ali	Shourya Saraswat
<b>Essay-Writing (Hindi)</b>	Ayushi Garg	Deepshikha Pandey	Shubhangi
<b>Essay-Writing (English)</b>	Ishita Saraswat	Apar Singhal	Divya Singh Shradha Seth
<b>Light Vocal Solo</b>	Achint Saxena	Arti Patange	
<b>Classical Vocal Solo</b>	Arti Patange		
<b>Skit</b>	Rishabh Singhal & Group		
<b>Cartooning</b>	Divya Singh		
<b>Poster-Making</b>	Shruti Jain	Tamanna Srivastava	Arti Satsangi
<b>Bhakti Sangeet</b>	Arti Patange	Anjali Sharma	Deepshikha Pandey
<b>Mime</b>	Rishabh Singhal, Vasudev Bhagat, Shashank Shekhar Upadhyay, Rohit Upadhyay, Shikhar Kulshrestha	-	-
<b>On-The-Spot Painting</b>	Amra Gupta	Shikha Satsangi	-
<b>Collage</b>	Pinky Meena	-	-
<b>Light Vocal Group</b>	C. Jyothika, Komalchitt Juneja, Mahima Agrawal, Mehtar Srivastava, Lavi Srivastava	Arti Satsangi, Arti Patange, Tamanna Srivastava, Preeti Swarup, Deepshikha Pandey, Tripti	-
<b>Classical Instrumental Solo</b>	Arti Patange	C. Jyothika	Arti Satsangi
<b>Debate (Hindi)</b>	Aaditya Sharma	Shubham Kumar Sharma	Rishabh Singhal
<b>Debate (English)</b>	Anjali Shukla	Aditi Chaturvedi	Rishabh Singhal
<b>Elocution (Hindi)</b>	Aaditya Sharma	Shubham Kumar Sharma	Sanket Upman
<b>Elocution (English)</b>	Arti Patange	Aditi Chaturvedi	Rishabh Singhal Rani Panit
<b>Theatrical Script Writing (English)</b>	Aditi Chaturvedi	Shivam Garg	

<b>Clay Modeling</b>	Shruti Jain	Pinky Meena	Kanchan Savita
<b>Rangoli</b>	Arti Patange		
<b>One Act Play</b>	Amisha Agarwal, Arti Satsangi, Chandrakanta Yadav, Riya Chauhan, Tamanna Srivastava, Tripti	Khushboo Gautam, Km. Anu Yadav, Km. Sapana, Madhu Ratan, Muskan Deura, Pooja, Prashansa Paliya, Prateeksha Kumari, Shivani Lohiya, Tezna Singh	
<b>Western Vocal Solo</b>	Achint Saxena	Abhishek Pandey	Arti Patange Alakh Chand Gupta
<b>Western Vocal Group</b>	C. Jyothika , Nihar Bhatti, Achint Saxena, Abhishek Pandey, V. Sumiran, Shubham Sharma		
<b>Hindi Satirical Creative Writing</b>	Rohit Upadhyaya	Kaynaat Habib	Shradha Seth
<b>English Satirical Creative Writing</b>	Abhishek Pandey , Aradhya Raj Mehra	Aishwarya Chopra, Vasudev Bhagat	Shashank Shekhar Upadhyay, Shikhar Kulshrestha
<b>Street Play</b>	Rishabh Singhal, Vasudev Bhagat, Shashank Shekhar Upadhyay, Shikhar Kulshrestha, Anushka Lavania, Aishwarya Chopra	Abhishek Pandey, Aradhya Raj Mehra, Shivam Singh Chauhan, Rivanshi Singh, Devanshi Jain, Stuti Jain, Natasha Sharma	
<b>Hindi Self-Composed Poetry Recitation Competition</b>	Akshit Sharma	Rishabh Singhal	Tanvi Kumari
<b>English Self-Composed Poetry Recitation</b>	Kaynaat Habib	Shradha Seth	Abhishek Pandey
<b>Crazy Ideas</b>	Natasha Sharma	Rivanshi Singh	
<b>Dumb Charades</b>	Aradhya Raj Mehra, Rivanshi Singh, Stuti Jain	Abhishek Pandey, Devanshi Jain, Natasha Sharma	
<b>Translation</b>	Rishabh Singhal	Shivangi Srivastava	
<b>Light Vocal Solo</b>	Achint Saxena	Arti Patange	
<b>Classical Vocal Solo</b>	Arti Patange		
<b>Light Vocal Group</b>	C. Jyothika, Komalchitt Juneja, Mahima Agrawal, Mehar Srivastava, Lavi Srivastava	Arti Satsangi, Arti Patange, Tamanna Srivastava, Preeti Swarup, Deepshikha Pandey, Tripti	
<b>Classical Instrumental Solo</b>	-	Arti Patange	Arti Satsangi

**Seminar/Symposia/Conference Organized**

The faculty organized the National Systems Conference, NSC-2017 during 1-3 December, 2017

**Invited Lectures**

Prof. K. Hans Raj visited Kiel University, Germany and CEMEF, France for 15 days in summer 2017 and delivered several talks at both the Institutes.

**Collaborations**

The faculty is having Twinning Activity between IST, JNTUH, Hyderabad.

**New Faculty Inducted**

Dr. Aditya Sharma (Mechanical Engg.) Assistant Professor  
 Dr. Manoj Dixit (Mechanical Engg.) Assistant Professor  
 Mr. Manoj Kumar (Mechanical Engg.) Assistant Professor  
 Dr. Om Hari Gupta (Electrical Engg.) Assistant Professor  
 Dr. Subo Upadhaya (Electrical Engg.) Assistant Professor  
 Mr. Ishant Singhal (Civil Engg.) Assistant Professor  
 Ms. Karishma Yadav (Civil Engg.) Assistant Professor

**Publications**

1. Satsangi, P., Das, B., GS, S. B., and Saxena, A. K. Performance analysis of grid interactive solar photovoltaic plant in India. *Energy for Sustainable Development*, 47, 9-16, 2018.
2. Chandiok, A., and Chaturvedi, D. K., CIT: Integrated cognitive computing and cognitive agent technologies based cognitive architecture for human-like functionality in artificial systems. *Biologically inspired cognitive architectures*, 26, 55-79, 2018.
3. Sharma, R. S., Singhal, I., and Gupta, S., Innovative Training Framework for Additive Manufacturing Ecosystem to Accelerate Adoption of Three-Dimensional Printing Technologies. *3D Printing and Additive Manufacturing*, 5(2), 170-179, 2018.
4. Patvardhan, C., Kumar, P., and Lakshmi, C. V., Effective Color image watermarking scheme using YCbCr color space and QR code. *Multimedia Tools and Applications*, 1-23, 2018.
5. Dayal, A., Sahai, A., Raj, K. H., and Sharma, R. S., Comprehensive study of effect of process parameters in equal channel angular pressing, 25(2), 113-121, 2018.
6. Prasanth, R. S. S., and Raj, K. H., Determination of Optimal Process Parameters of Friction Stir Welding to Join Dissimilar Aluminum Alloys Using Artificial Bee Colony Algorithm. *Transactions of the Indian Institute of Metals*, 71(2), 453-462, 2018.
7. Sumati, V., and Patvardhan, C., Interval type-2 mutual subethood fuzzy neural inference system (IT2MSFuNIS). *IEEE Transactions on Fuzzy Systems*, 26(1), 203-215, 2018.
8. Dayal, A., Raj, K. H., and Sharma, R. S., ECAP Die Design for Minimizing Corner Gap. *Materials Today: Proceedings*, 5(1), 1686-1690, 2018.
9. Dayal, A., Raj, K. H., & Sharma, R. S., Investigation of ECAP process for enhancing process efficiency. *Materials Today: Proceedings*, 5(1), 878-884, 2018.

10. Kumar Singh, G., Srivastava, S., Kumar, M., and Ratnakar, S., Effects of selected rehabilitative exercises on external rotator muscles and trapezius muscles of masonry workers. *Work*, 1-8, 2018.
11. Sumati, V., and Patvardhan, C., A Parallel Interval Type-2 Fuzzy Neural Inference System Using Different Similarity Measures: Comparative Study. In *Advanced Computational and Communication Paradigms* (pp. 165-173). Springer, Singapore, 2018.
12. Pachorie, K., Agrawal, S., Maheshwari, V., Devulapalli, B. D., and Saxena, A. K., Design and Development of Digital Energy Meter on FPGA. In *System and Architecture* (pp. 261-273). Springer, Singapore, 2018.
13. Prasad, V. C., Sinusoidal Oscillator Circuits Reexamined. *International Journal of Electronics and Telecommunications*, 64(1), 77-81, 2018.
14. K. P.S., D. B.D., G.S. S.B., Saxena A.K., Performance analysis of grid interactive solar photovoltaic plant in India, *Energy for Sustainable Development*, 47, 2018.
15. Shashank Garg, Eshant Kumar, Deepanshu, Ankit Sahai, Experimentation of different aerofoil profiles in Wind Tunnel and its aerodynamic performance, *International Conference on Frontiers in Engineering & Technology (FEAST)*, NIT Trichy, April 27-28, 2018.
16. Khatoon, S., Chaturvedi, D. K., Hasan, N., and Istiyaque, M., Optimal control of a double inverted pendulum by linearization technique. In *Multimedia, Signal Processing and Communication Technologies (IMPACT)*, 2017 International Conference on (pp. 123-127). IEEE, 2017.
17. Saraswat, A., and Saini, A., Multi-objective congestion management approach in competitive electricity markets. In *Computer Applications in Electrical Engineering-Recent Advances (CERA)*, 2017 6th International Conference on (pp. 181-186). IEEE, 2017.
18. Prakash, V. P., Patvardhan, C., and Srivastav, A., Effective Heuristics for the Bi-objective Euclidean Bounded Diameter Minimum Spanning Tree Problem. In *International Conference on Next Generation Computing Technologies* (pp. 580-589). Springer, Singapore.
19. Gupta, Y., and Saini, A., A novel Fuzzy-PSO term weighting automatic query expansion approach using combined semantic filtering. *Knowledge-Based Systems*, 136, 97-120, 2017.
20. Sumati, V., Patvardhan, C., Paul, S., Singh, L., and Swarup, V. M., Application of interval type-2 subsethood neural fuzzy inference system in control and function approximation. In *Fuzzy Systems (FUZZ-IEEE)*, 2017 IEEE International Conference on (pp. 1-6). IEEE, 2017.
21. Saraswat, A., Saini, A., and Singh, S. P., Multi-objective congestion management based on generator's real and reactive power rescheduling bids in competitive electricity markets. In *Computer, Communications and Electronics (Comptelix)*, 2017 International Conference on (pp. 442-447). IEEE, 2017.
22. Prajapati, A. P., and Chaturvedi, D. K., Semantic network based knowledge representation for cognitive decision making in teaching electrical motor concepts. In *Computer, Communications and Electronics (Comptelix)*, 2017 International Conference on (pp. 146-151). IEEE, 2017.
23. Srivastava, D. P., Sahni, V., and Satsangi, P. S., From n-qubit multi-particle quantum teleportation modelling to n-qudit contextuality based quantum teleportation and beyond. *International Journal of General Systems*, 46(4), 414-435, 2017.
24. Prasanth, R. S. S., and Raj, K. H., Optimization of straight cylindrical turning using Artificial Bee Colony (ABC) algorithm. *Journal of the Institution of Engineers (India): Series C*, 98(2), 171-177, 2017.

25. Patvardhan, C., Bansal, S., and Srivastav, A., Towards the right amount of randomness in quantum-inspired evolutionary algorithms. *Soft Computing*, 21(7), 1765-1784, 2017.
26. Chandiok, A., and Chaturvedi, D. K., Cognitive Decision Making for Object Recognition by Humanoid System. In *Proceedings of International Conference on Communication and Networks* (pp. 533-541). Springer, Singapore, 2017.
27. Chandiok, A., and Chaturvedi, D. K., Biologically Inspired Techniques for Cognitive Decision-Making. In *Proceedings of the International Conference on Data Engineering and Communication Technology* (pp. 353-361). Springer, Singapore, 2017.
28. Sharma, R., and Pyara, V. P., Signature Wavelet Identification of Sounds of Musical Instruments Using RLS Algorithm. In *Emerging Trends in Electrical, Communications and Information Technologies* (pp. 257-264). Springer, Singapore, 2017.
29. Prajapati, A. P., and Chaturvedi, D. K., Ontology Based Knowledge Representation for Cognitive Decision Making in Teaching Electrical Motor Concepts. In *Computer Science On-line Conference* (pp. 43-53). Springer, Cham, 2017.
30. Sahai, A., Raj, K. H., and Gupta, N. K., Mechanical Behaviour and Surface Profile Analysis of Al6061 alloy Processed by Equal Channel Angular Extrusion, *Procedia Engineering*, 173, 956-963, 2017.
31. Suri, A., Sahai, A., Raj, K. H., and Gupta, N. K., Impact and tensile testing of  $Al_2O_{24}$  alloy processed by Friction Stir Processing. *Procedia Engineering*, 173, 679-685, 2017.

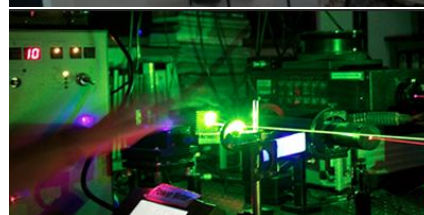


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# FACULTY OF SCIENCE

## 2017-2018

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## Faculty of Science

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The erstwhile REI Degree College which was affiliated to Agra University and became the part of Dayalbagh Educational Institute (Deemed University) in 1981. Faculty of Science is an integrated unit of the following Departments:

1. Botany
2. Chemistry
3. Mathematics
4. Physics & Computer Science
5. Zoology

The Faculty has focused its academic programme with highly qualified faculty and strong commitment towards excellence in teaching and research in areas relevant to the modern society. It is equipped with a wide range of sophisticated experimental facilities to support the academic activities including research. Faculty departments receive grants under SAP, FIST, DRS and INSPIRE programmes besides research grants from agencies such as UGC, CSIR, DST, BRNS, AICTE, DRDO, etc. There are several MoUs and international research collaborations. Recently, Biodiversity Park, Security & Surveillance Network and 5G labs have been established.

The Faculty offers Undergraduate programmes (BSc Honours) in (1) Applied Botany Science (2) Botany (3) Chemistry (4) Mathematics (5) Physics (6) Zoology (7) Computer science (8) Economics and (9) Psychology and Postgraduate (MSc) programmes in MSc (Botany/Botany (Plant & Microbial Biotechnology), Chemistry, Mathematics/ Mathematics (Computer Applications), Physics/Physics (Electronics)/Physics (Computer Science) and Zoology. The faculty also offers several Integrated programmes like Integrated BSc (Comp. Sc.) Hons.–MSc (Comp. Sc.)–MTech (Engg. Sys.) with specialization in Computer Science. PG Diploma in Computer Science and Applications [PGDCSA], PG Diploma in Big Data, Logistics and Operations Research [PGDBD], PG Diploma in Environment and Green Technology [PGDEGT] and Diploma in Ayurveda (Up-Vaid) are also offered by the faculty. MPhil and Doctor of Philosophy (PhD) programme are available in Botany, Chemistry, Mathematics, Zoology, Physics and Computer Science. The faculty also offers Certificate Courses on Nursing Aid, Midwifery and Companion Help.

### Department of Botany

The department is headed by Prof. JN Srivastava and comprises of 3 Professors, 8 Assistant Professors (or 6 as two have left) and 2 Emeritus Professors. The Department offers the following Programmes

- B.Sc. (Hons) Botany
- B.Sc. (Hons.) Applied Botany (introduced in 2017-18)
- B.Sc. (Hons.) Agricultural Sciences (introduced in 2017-18)
- B.Voc. Agriculture Technology (introduced in 2017-18)
- B.Voc. Dairy Technology
- B.Voc. Green House Technology
- M.Sc. Botany/Botany with specialization in Plant & Microbial Biotechnology.
- M.Voc. Dairy Technology
- PG Diploma in Environmental & Green Technology
- M.Phil
- Ph.D.

At the undergraduate level the department offers Work Experience Courses on

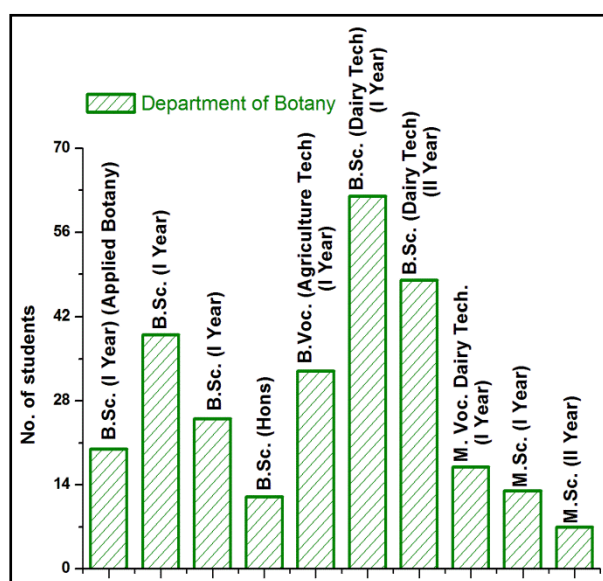
1. Maintenance of Botanical Gardens
2. Dairy Products
3. Modern Crop Production
4. Protein Production Technology: Mushroom & Spirulina cultivation and
5. Cell & Molecular Techniques

The Botany Department has developed and maintains a Botanical garden in Science Faculty, a Biodiversity park in REI Intermediate College, a Medicinal and herbal garden in Dairy Campus, a Fruit orchard at Seminar Hall Complex and a multi-dimensional phytodiversity park with conservatory for local medicinal plants, fruit orchard, and plants for essential oil at Bahadurpur and a Fruit orchard and herbal garden at Himachal Pradesh.

The department has well equipped Plant Biotechnology Lab, Dairy Lab: Milk Section, Dairy Lab: Butter Section, Digital Soil Testing lab and instrumental facilities like Plant Growth Chamber, Semi-automatic microtome, Muffle Furnace, DNA Amplifier, Flame Photometer, Cooling Centrifuge, Rota-evaporator and Clevenger Apparatus.

The department has firm and active international and national collaborations with several Universities and Research Institutes like the Department of Agriculture, Michigan State University, USA, University of Arkansas, USA, Kiel University, Germany, Dr. Y.S. Parmar Agricultural University for Horticulture & Forestry, Nauni, H.P., G.B. Pant University of Agriculture and Technology, Pantnagar Uttarakhand, India, Jain Irrigation, Jalgaon, Maharashtra, Beej Sheetal Pvt Ltd., Jalna, Maharashtra, Aligarh Muslim University, Aligarh, Bhabha Atomic Research Centre, Mumbai and Indian Agriculture Research Institute, New Delhi and Saveer Biotech, Delhi.

The number of students enrolled in the various programs of the department is shown below



**Workshops Organized** - The department organized two one day Workshops, namely One Day Workshop on Agriculture on 11 August 2018, and another on September 1, 2018 on "Agriculture in Dayalbagh & DEI – Past, Present & Future."

**Patent** - Dr. Rajiv Ranjan of the department acquired a Patent on Novel sub-genomic transcript promoter DNA fragments and a method for obtaining sub-genomic promoter DNA fragments for figwort mosaic virus (Patent No. 292986).



### Achievements

Mr. Teg Bahadur Singh qualified CSIR NET JRF and ASRB NET with Rank 99 while Ms. Deepika Goyal qualified CSIR NET LS with Rank 105.

Ms. Mrinalini Prasad and Ms. Dipinte Gupta alongwith Dr. Rajiv Ranjan won Bronze award at iGEM-International Genetically Engineered Machine Competition.

Dr. Rajiv Ranjan was also conferred the Young Scientist Oral Award at India International Science Festival.

Prof. P.K. Dantu has served as Reviewer for the journals: In Vitro Cellular & Developmental Biology – Plant, Dr. Sharmita Gupta for Journal of Natural Product and Plant Resources, & Agricultural Research Journal while Dr. Sushma Mishra reviewed manuscript for Theoretical and Experimental Plant Physiology.

Dr. Rajiv Ranjan of the department has Life memberships for The Indian Science Congress Association, Society of Biotechnology and Bioinformatics and the Bamboo Society of India.

Invited Lectures/ Session Chairs/ Panelists

Dr. Rajiv Ranjan delivered an invited talk on "Application of Bioinformatics in Plant Biology" at National Workshop on "Applications of Geoinformatics in Geographical and Botanical studies (AGGBS-2017) organized by Sir Parashurambhau College, Pune, on 30<sup>th</sup> January 2017.

Dr. Sushma Mishra delivered an invited lecture in a National Seminar on "Role of Biotechnology in Sustainable Agriculture and Rural development" held during March 4-5, 2017.

Dr. Rajiv Ranjan acted as Panel expert in the

- Brain Storming Meeting to develop a Road Map and Action Plan for the area of Synthetic Biology organized by Department of Biotechnology, Govt. of India, CGO Complex, Lodhi Road, New Delhi on 10/08/2017 under Chairmanship of DBT, Secretary.
- Making recommendations for CBD Scientific Body on Synthetic Biology and Conservation, Sustainable Management of Environment, 8<sup>th</sup> September 2017 at TransDisciplinary University, Bengaluru, India

### Laboratories/ New Facilities Created

Polyhouses, Autoclave, STFR, PETS meter, NDVI, Soil temperature meter, Digital Sensors, Centrifuge (floating chamber), Kjeldahl unit were procured from the UGC maintenance grant during the session.



### Projects Sanctioned

1. Dr. Rajiv Ranjan was sanctioned a Project entitled “Development of bio-beads for removing heavy metal toxicity from waste water”, worth Rs.10 lakhs funded by DBT, GOI, New Delhi and for participating in IGEM-2017 at Boston MA, USA., by DBT, GOI New Delhi.
2. Dr. Sushma Mishra was sanctioned a DEI Minor project worth Rs. 1.5 lakhs for duration of 18 months during 2017-18.

The department has initiated research in new research areas like fungal viruses, plant viruses, Work on efficacy of phytopotentials against plant pathogenic bacteria and also initiated work on biofuels through agrowastes.

The Research Highlights of the department are

- Bioremediation of Yamuna river water samples of Agra city.
- Green synthesis of silver nanoparticles from different plant resources and evaluating their antimicrobial effects.
- Mycoremediation, cultivating mushrooms in vitro to use their fungal mycelia for sewage treatment plant water through mycofiltration.
- Fungal viruses: screening, isolation, purification and characterization, pathogenicity studies.
- Plant viruses: biological and molecular characterization including effect on plant hosts etc.
- Biodegradation of polythenes using microbes.
- Evaluating antimicrobial properties of various botanicals individually and in combination including identification of bioactive component.
- Studies related to agrowaste and solid waste management.

### Publications

1. Mrinalini Prasad, Anjali Singh, Arti Yadav, Teg Bahadur Singh, Deepika Goyal, Preksha Shrivastav and Prem Kumar Dantu, Analysis for piperine in leaves, roots and spikes in *Piper longum* L. J Pharmacogn Phytochem 7(6), 1008-1010, 2018.
2. Gulshan Chaudhary, Prem Kumar Dantu, Analysis of some important genes from the trichomes of *Boerhaavia diffusa* L. fruits by RNA isolation. Euro J Exp Bio 8,1-8 DOI: 10.21767/2248-9215.100066, 2018.
3. Anshu Singh and J N Shrivastava. Antibacterial Potency of Green Synthesized Silver Nanoparticles, International Journal of Basic and Applied Biology, 2018.
4. Richa Saxena, J N Shrivastava and Vikas Mahajan. Biogenic Synthesis of silver Nanoparticles from Mango peels revealing their antibacterial effect on Bacteria *E. coli*. International Journal of Current Advanced Research, 2018.
5. Vikas, S.K. Soni and S. Gupta, Prospective of selected green algae pertain to Biofuel production Journal of Plant Development Sciences, 10, 283-287, ISSN 0974-6382 (print) ISSN 2348-9170 (online), 2018.
6. Sharmita Gupta, Manisha and Sonal, Assessment of synergistic effect of plant extract of *Catharanthus roseus* and *Azadirachta indica* against different pathogenic microbes, Aayushi International Interdisciplinary Research Journal, 56-62, 2018.
7. Nitesh Verma and Sharmita Gupta. Comparative assessment of polythene degradation by *Trichoderma herzianum* and *Trichoderma viride*. Aayushi International Interdisciplinary Research Journal, 63-69, 2018.
8. Neha Gupta, Krishna Kumar Yadav, Vinit Kumar, Sandeep Kumar, Richard P. Chadd, Amit Kumar, Trace elements in soil – vegetable interface translocations, bioaccumulation, toxicity and amelioration-A Review, Science of the Total Environment, 07, 2927-2942, 2018.
9. Naresh Kumar Baisla, RajBir Yadav, Ram kumar Sharma, Ambrish Sharma, Kiran B. Gaikwad, Amit Kumar, Vikram Singh, Pritesh Vyas and Ambika Sharma- Mechanistic understanding of

- lodging in spring wheat (*Triticum aestivum*): An Indian perspective, *Indian journal of Agricultural Sciences*, 88(10), 1483-1493, 2018.
10. Joydeep Mukherjee, Nilimesh Mridha, Surjeet Mondal, Debasish Chakraborty and Amit Kumar, Identifying suitable soil health indicators under variable climate scenarios: A ready reckoner for soil management, In *Advances in Crop Environment Interaction*, 205-225, 2018.
  11. Shiv Shankar Gautam, Guru Prasad Satsangi, Vibha Rani Satsangi and Sanjay Yadav, Application of multiwalled carbon nanotubes on the germination and seedling growth of wheat. *International Journal of Applied Research*, 4(11), 106-108, 2018.
  12. Shiv Shankar Gautam and Guru Prasad Satsangi – Inhibitory effect of wild onion on the seedling growth of *Zea mays*, *International Journal of Advanced Research*, 6(10), 60-63, 2018.
  13. Mintoo MN, Mishra S, Prem Kumar Dantu, Isolation and Characterization of Endophytic Bacteria from *Piper longum*. *Proceedings of the National Academy of Sciences, India Section B: Biological Sciences*, 2018.
  14. Nitesh Verma, Sharmita Gupta and P. K. Dantu, Temporal variation in other physicochemical parameters of untreated and treated water quality of sewage treatment plant (STP), Agra, *International Journal of Research*, 4(5), 675-680, 2017.
  14. Yadav A., Sapana and Dantu P. K., Influence of low temperature treatment and phytohormones on regeneration through anther culture in two cultivars of rice. *The Intern. J. Plant Repro. Biol.* 9(1), 86-88, DOI 10.14787/ijprb.2017 9.1.86-88, 2017.
  15. Sujata Shekhar, ChandanMaurya, J.N. Srivastava. Remediation of Wastewater using Mushroom: *Pleurotus ostreatus* (Oyster Gill Mushroom). *International Journal of Scientific and Engineering Research*, 8(7), 352-363, 2017.
  16. Dipinte Gupta and Ranjan R., *In-Silico* Comparative Analysis of Promoter Regulatory Motifs from Plant Parareteroviruses Virus disease, 2017.
  17. Mishra S and Khurana J.P., Emerging Roles and New Paradigms in Signaling Mechanisms of Plant Cryptochromes. *Critical Reviews in Plant Sciences*, 36 (2): 89-115, 2017.
  18. Bollinedi H, Krishnan G, Prabhu KV, Singh NK, Mishra S, Khurana JP and Singh AK. Molecular and Functional Characterization of GR2-R1 Event Based Backcross Derived Lines of Golden Rice in the Genetic Background of a Mega Rice Variety Swarna. *PLoS ONE* 12 (1): e0169600. doi:10.1371/journal.pone.0169600, 2017.

### Book Chapters

1. Akbar Ali, M. Naeem, Tariq Ahmad Dar, Mohd. Idrees, M. Masroor A. Khan, MoinUddin, Prem Kumar Dantu, and Teg Bahadur Singh. Nutrient Uptake, Removal, and Cycling in *Eucalyptus* Species. In: M. Naeem et al. (eds.), *Essential Plant Nutrients*, DOI 10.1007/978-3-319-58841-4\_2 pp37-45
2. S.K.Soni and Yati Prabha, Potential of *Spirulina* and *Oscillatoria* spp. for phycoremediation In : *Agricultural Biotechnology*, 2018/ISBN 978-81-7132-884-0, 2018.
3. Ajay Kumar, Pragati Saini, J.N. Srivastava, R.S. Sasode, R.K. Pandaya and Reeti Singh. 2018 Biocontrol Agents for Sustainable Agriculture in *Biomanagement of Plant Diseases*
4. Joydeep Mukerjee, Nilimesh Mridha, Surajit Mondal, Debasish Chakraborty and Amit Kumar Identifying Suitable Soil Health Indicators Under Variable Climate Scenarios : A Ready Reckoner for Soil Management, 2018.
5. Mishra S, Gupta D and Ranjan R. *Molecular Approaches for Enhancing Stress Tolerance in Plants*. In *Approaches for Enhancing Abiotic Stress Tolerance in Plants*. Eds. Mirza Hasanuzzaman, Kamrun Nahar, Masayuki Fujita, Hirotsuke Oku, and Tofazzal Islam Florida 33487, U.S.A. Taylor & Francis Group, 2018.
6. Mishra S, Targeted Genome Editing Tools in Plants in *Innovations in Life Science Research*. Eds. Rajeshwar Sinha and Shashi Pandey, NOVA\_Sci. Pub., USA, 2018.



7. Sonal, Sharmita Gupta, Yati Prabha and S. K. Soni, Comparative analysis of phytochemicals of healthy and symptomatic *Clerodendrum inerme*, In Advances in Plant and Microbial Biotechnology 2018

#### Papers presented in International and National Conferences

1. Mrinalini Prasad and Prem Kumar Dantu, Next generation sequencing and functional characterization of spike in *Piper longum* L. In International conference on Biotechnology and healthcare at PJTSAU, Hyderabad, 2017.
2. Preksha Shrivastav and Prem Kumar Dantu, Physicochemical properties of soil collected from botanical diversity park, Rajasthan Science Congress, 2017.
3. Arti Yadav and Prem Kumar Dantu, Nucellarembryony: A boon for Citrus rootstocks, Rajasthan Science Congress, October 2017.
4. Mrinalini Prasad and Prem Kumar Dantu, Comparative Study of Next generation sequencing of leaves and spikes in *Piper longum* L. for identification of gene involved in piperinebiosynthetic pathway, Rajasthan Science Congress, 2017.
5. Mrinalini Prasad and Prem Kumar Dantu, Comparative transcriptome analysis of leaves and spikes for piper in ebiosynthesis pathway from medicinal plant *Piper longum* L., 2<sup>nd</sup> Multi-disciplinary National Conference on Pre – doctoral research, 2017.
6. Tegbahadur Singh and Prem Kumar Dantu, Screening of plant growth promoting rhizobacteria, Rajasthan Science Congress, 2017.
7. Arti Yadav and Prem Kumar Dantu, An Approach to Enhance Regeneration Potential via Temperature shock and Growth Regulators in Anther Culture of two rice cultivar, 2<sup>nd</sup> Multi-disciplinary National conference on Pre – doctoral research, 2017.
8. Tegbahadur Singh and Prem Kumar Dantu, Isolation, Characterization and evaluation of growth of plant growth promoting rhizobacteria, 2<sup>nd</sup> Multi-disciplinary National conference on Pre – doctoral Research, 2017.
9. Preksha Shrivastav and Prem Kumar Dantu, An initiative towards conservation of biodiversity: flora and fauna, 2<sup>nd</sup> Multi-disciplinary National conference on Pre – doctoral Research, 2017.
10. Deepika Goyal and Prem Kumar Dantu, Specific sensors in the study of crop plants and certain edaphic factors, 2<sup>nd</sup> Multi-disciplinary National conference on Pre – doctoral Research, 2017.
11. Arti Yadav and Prem Kumar Dantu, *In Vitro* Propagation using Nucellar Embryos of two promising Citrus Rootstocks in a National conference on Strategies and challenges in doubling farmer's income through horticultural technologies in subtropics, 2018.
12. Sujata Shekhar and J.N. Shrivastava, International Conference on Recent Trends in Agriculture, Food Science, Forestry, Horticulture, Aquaculture, Animal Sciences, Biodiversity and Climate Change (AFHABC-2018), J.N.U, New Delhi, 2018.
13. Sujata Shekhar and J.N. Shrivastava, Mycoremediation of Waste Water by using *Pleurotus ostreatus* & *Calocybe indica* using Mycofiltration technique. International Conference on Innovative Technologies Towards Energy, Environment, Food & Sustainable Agriculture organized by Department of Mechanical Engineering, R.B.S Engineering Technical Campus, Bichpuri (Agra), 2018.
14. Sujata Shekhar and J.N. Shrivastava, Remediation of General Physico-Chemical parameters of Waste Water using Mushroom National Conference on Biotechnology: Resource Management for Sustainable Nature in 21<sup>st</sup> Century (2017) organized by Indian Society of Genetics, Biotechnology Research & Development, 2017.
15. Chandan Maurya and J.N. Shrivastava Remediation of General Physico-chemical parameters of Wastewater using Mushroom: *Pleurotus ostreatus* (Oyster Gill Mushroom). National conference on Biotechnology: Resource Management for Sustainable Nature In 21<sup>st</sup> Century, 2017.

16. Nupur Raghav and J.N. Shrivastava, Development and Formulation of effective Bacterial Consortium for Sustainable Development with respect to Water Resources. National conference on Biotechnology: Resource Management for Sustainable Nature In 21<sup>st</sup> Century, 2017.
17. Anshu Singh and J.N. Shrivastava Evaluation of antibacterial efficacy of green synthesized silver Nanoparticles from *Cucurbita pepo* L. seeds extract. International Conference on Nanotechnology in Energy, Nano-Bio-Interface and Sustainable Environment, 2017.
18. Anshu Singh and J.N. Shrivastava Antibacterial Potency of Green Synthesized Silver Nanoparticles. International Conference on Recent Trends in Agriculture, Food Science, Forestry, Horticulture, Aquaculture, Animal Sciences, Biodiversity and Climate Change (AFHABC-2018), J.N.U, New Delhi, 2018.
19. Mamta and Guru Prasad Satsangi Atmospheric deposition of microbial leaves of tulsi 2<sup>nd</sup> International Conference on Recent Advances in environment protection RAEP, 2018
20. Sonal, Sharmita Gupta, Yati Prabha and S.K.Soni, Comparative analysis of phytochemicals of healthy and symptomatic *Clerodendrum inerme*, 1<sup>st</sup> International Conference on Biotechnology and Biological Sciences BIOSPECTRUM 2017, 2017.
21. Nitesh Verma and Sharmita Gupta Assessing polythene degradation ability of few species of *Aspergillus* in 1<sup>st</sup> International conference on Biotechnology and Biological Sciences BIOSPECTRUM 2017, 2017.
22. Nitesh Verma, Sharmita Gupta, Comparative Assessment of polythene degradation by *Trichoderma herzianum* and *Trichoderma viride* in BioSangam An international conference on Innovations and translational Dimensions: Food, Health and Environmental Biotechnology, 2018.
23. Sharmita Gupta, Manisha and Sonal, Assessment of synergistic effect of plant extract of *Catharathus roseus* and *Azadirachta indica* against different pathogenic microbes, in BioSangam An International Conference on Innovations and translational Dimensions: Food, Health and Environmental Biotechnology, 2018.
24. Nitesh Verma and Sharmita Gupta, Degradation of LDPE Polythene by fungi isolated from soil, in International Conference on Materials for Energy Applications, 2018.
25. Deeksha Lodhi and Rajiv Ranjan presented Poster entitled In Silico analysis of DREB transcription factor in *Solanum lycopersicum* at National Workshop on Applications of Geoinformatics in Geographical and Botanical studies (AGGBS-2017), 2017.
26. Rajiv Ranjan attended 5<sup>th</sup> Rajasthan Science Congress held during 13<sup>th</sup> -15<sup>th</sup> October 2017 on the theme, Science and Technology for Sustainable Development of State of Rajasthan.

### Workshops and Training Programs

1. Rajiv Ranjan attended Workshop held in ICgeb from 16-17 March 2018, entitled Smart metabolic engineering of plants for drugs biosynthesis.
2. Rajiv Ranjan Attended one week Practical training on High Performance Liquid Chromatography, SMPIC, NIPER, Mohali, Chandigarh.
3. Sushma Mishra attended 15 days hands-on-training programme on recent techniques in DNA and protein analysis, organized by Jiwaji University, Gwalior, from February 24 to March 11, 2018.
4. Sushma Mishra attended 3-day short term programme on Microbes in Human Welfare organized by Department of Biochemical Engineering and Biotechnology, IIT, Delhi, from April 9 to April 11, 2018.
5. Sonal participated and completed 15 days of hands on industrial training with state of art lectures on Advanced Biotech Techniques, organized by MRD Life-Sciences Pvt. Ltd., Lucknow from January 2- 16, 2018.

6. Nitesh Verma participated and completed 15 days of hands on industrial training with state of art lectures on Advanced Biotech Techniques, organized by MRD Life-Sciences Pvt. Ltd. Lucknow from January 2-16, 2018.
7. Lovely Singh participated and completed 40 days training on Hands-On Industrial Training with state of art lectures on Basic and advanced molecular biology, Fermentation technology, HPLC and FPLC, organized by Chaperon Biotech Pvt. Ltd., A place of Discovery, Kanpur, from July 1 –August 10, 2018.
8. Sonal participated and completed Two days Hands on Workshop on PCR based molecular analysis by RAPD and SSR, organized at Division of Biotechnology, Cytogene Research and Development, Lucknow, on 22<sup>nd</sup> and 23<sup>rd</sup> September, 2018.
9. Anamika Gupta and Parul Tyagi, attended one month training program (5.10.2017 – 4.11.2017) for micronutrient (minerals) and heavy metal analysis against project of soil testing lab Agra, organized by EKO PRO ENGINEERS PVT. LTD.

## Department of Mathematics

The department aims at providing the students a comprehensive foundation in Mathematics, increase their employment potential and to undertake meaningful research. The department of Mathematics comprises of 5 Professors, 2 Associate Professors, 4 Assistant Professors, 1 Emeritus Professor and 1 Guest Faculty. Prof. Ravinder Kumar is the Head of the Department. At the Undergraduate level the department offers BSc. (Hons) in Mathematics and at the Postgraduate level it offers M.Sc. Mathematics and M.Sc. Mathematics with Specialization in Computer Applications, M. Phil. and Doctoral programme. In addition the department also offers a Post Graduate Diploma in Big Data, Logistics & Operations Research. The department also offers certain courses to other Faculty and Departments like:

1. Computational Methods to M.Tech. students of Engineering
2. Engineering Mathematics to B.Tech students of I,II & III Yr of Engineering
3. VRE Engineering Mathematics to VRE students of Engineering
4. Mathematics to students Arts/Social Sc. B.A./B.S.Sc.
5. Math. Methods for Economics to students of B.A. (Hons) Economics of Faculty of Social Sc.

The department has recently introduced new Courses like Metric Spaces, Algebra III (Sylow's Ths & Inner Product Sps) and Tensor Analysis at the Honours level, Measure & Integration, Field Theory and Introduction to Riemannian geometry at the MSc level and Statistics for Engineering for the Engineering students of VI Sem.

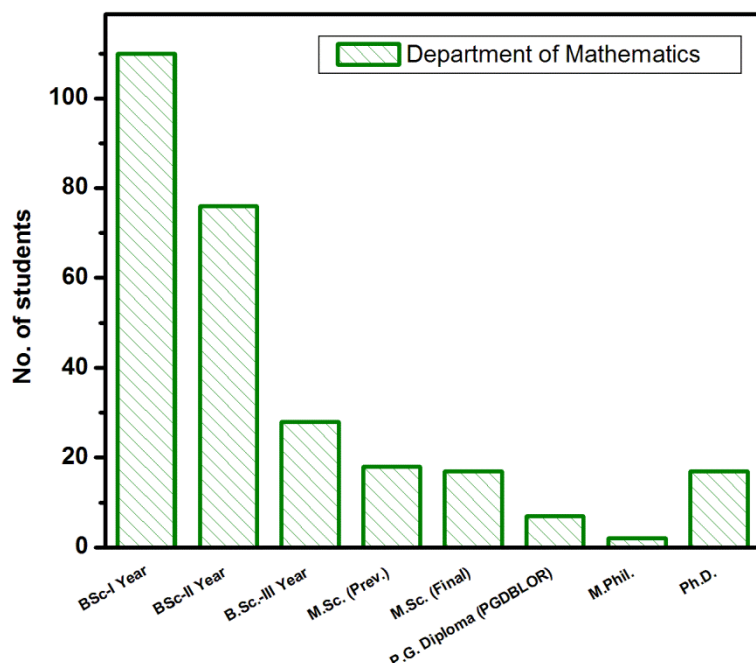
The thrust areas of research of the department include Fluid Dynamics, Fuzzy Mathematics, Graph Theory, Linear Algebra, Numerical Analysis, Optimization and Topology. The department is also involved in some Interdisciplinary research areas like Mathematical Biology (Use of Differential Equations in Solving Biological Problems), Mathematical Physics (Topological Study of Lorentz Manifolds), Soft Computing (Use of Computing Techniques in Solving Graph Theoretic Problems) and Bio-Technology (Use of Topology and Graph Theory in the Study of Proteins).

The department also has strong collaborations in the area of Linear Algebra with University of Tampere, Finland, Optimization with Christian Albrecht University, Kiel, Germany, Evolutionary Algorithms with CINVESTAV – Tamaulipas, Mexico and Operations Research with Eritria Institute of Technology, Eritria. The members of the department also have active inter-Department collaborations within the institute in the field of Evolutionary Algorithms with Department of Mechanical Engineering, Optimization with Department of Mechanical Engineering and Bio-Technology with Department of Zoology.

The department of Mathematics is furnished with a Computing Lab consisting of 22 Desktop Computers: DELL Optiplex 780n, HP Pro i3/ i5 based computers, a Dell Precision T5500 Workstation, a Dell Power Edge T410 Server and has some licensed softwares like MATLAB 7.0 10 user license with symbolic math and statistics toolbox and Systat 9.0. The other equipments available in the department are a Four Channel Data Acquisition System, Peristaltic Pump, Multi- Channel Flow Meter with Flow Sensors.

The Members of the department are on the Review Boards of Journals like Math Sci Net (American Mathematical Society), Knowledge based Systems, Engineering Optimizations, Computers and Operations Research, Mathematical Reviews, Discussiones Mathematicae, Graph Theory, Statistics in Transition in New Series, Journal of Applied Probability and Statistics, International Journal of Bio-Mathematics, Open Physics and Journal of Heuristics.

The number of students enrolled in the various programs of the department is shown below



### Achievements

The following students qualified NET and GATE examination

Name	Examination
Sharma Priya R	GATE and NET-JRF
Diksha Singhal	GATE and NET-JRF
Pushkar Singh	GATE
Mehar Goyal	NET -JRF
Nishant Gola	NET

### Special Lecture

Special Lecture entitled Scientific Validation of Yoga and Meditation was delivered by Prof. V. K. Katiyar from IIT Roorkee in 2017

### Publications

1. Gunjan Agrawal and Soami Pyari Sinha, Fine topology and locally Minkowskian manifolds, Journal of Mathematical Physics, 59, 052501, 2018.
2. Rama Shanker, Kamlesh Kumar Shukla, Shambhu Sharma, Ravi Shanker, A quasi exponential distribution, Biometrics & Biostatistics International Journal, 7(2), 90-94, ISSN: 2378-315X, DOI:10.15406/bbij.2018.07.00194, 2018.
3. Swati Agarwal, Shambhu Sharma, A Minimax Method for Time Minimizing Transportation Problem with Mixed Constraints, International Journal of Computer & Mathematical Sciences, 7(3), 1-6, ISSN 2347-8527, 2018.
4. Rama Shanker, Kamlesh Kumar Shukla, Shambhu Sharma and Ravi Shanker, A Quasi Gamma Distribution, International Journal of Statistics and Applied Mathematics, ISSN: 2456-1452, 2018.
5. Gunjan Agrawal, Sampada Shrivastava, Nisha Godani and Soami Pyari Sinha, Topological Properties of a Curved Spacetime, Reports on Mathematical Physics, 80 (3), 295-305, 2017.
6. Kanika Gujral and S. P. Singh, Effect on Flow Parameters of Blood in Overlapping Atherosclerotic Artery Considering Axial Variation of Viscosity, In proceedings of 11<sup>th</sup>INDIACom; INDIACom 2017; ISSN 0973-7529; ISBN 978-93-80544-24-3, 2017.
7. R. C. Mittal, Sumita Dahiya, A modified cubic B-spline differential quadrature method for three dimensional non-linear diffusion equations, Open Physics (15) 453–463, DOI: 10.1515/phys-2017-0051. 2017.
8. R. C. Mittal, Sumita Dahiya, Numerical simulation of three dimensional telegraphic equation using cubic B-spline differential quadrature method, Applied Mathematics and Computation 313,442-452, DOI:10.1016/j.amc.2017.06.015, 2017.
9. R. C. Mittal, Sumita Dahiya, A study of modified cubic B-spline differential quadrature method for a class of nonlinear viscous wave equations, Engineering Computations, 35(12), DOI: 10.1108/EC-06-2016-0188, 2017.

**A Short Term Course/Workshop on Fixed Point Theory and Dynamical Systems** was attended by Dr. Soumya Sinha and Ms. Pinki Lawania at IIT BHU from Nov 20-30, 2017.

### Department of Chemistry

The Department of Chemistry was established in the year 1947 as a part of the erstwhile R.E.I. Degree College, which was affiliated to Agra University. In the year 1981, with the formation of Dayalbagh Educational Institute as a Deemed to be a University, it became a part of it. The department is headed by Prof. Sahab Dass and comprises of 7 Professors, 5 Assistant Professors, 3 Guest Faculty and 1 Emeritus Professor. Catering to the needs of modern-day Chemistry students, the Department offers following Degree and Diploma programmes, which aim to impart sound understanding on fundamentals as well as applications and lay greater emphasis on exposing students to the frontiers of research.

1. B.Sc. (Hons) Chemistry
2. M.Sc. Chemistry
3. M.Phil.
4. Ph.D.
5. Diploma in Ayurveda (Up-Vaid)

The Department also offers Work Experience Courses on: Extraction of Natural Products, Soil Testing, Pollution Control of Air and Water, and Physical and Chemical Aspects of Leather Processing. The department is equipped with a wide range of sophisticated analytical and experimental facilities to support its research and teaching activities. Besides receiving extra-mural research grants from UGC, DST, AICTE, ISRO, MHRD, CSIR and BRNS-DAE, the Department is UGC-SAP assisted under DRS-1 and DRS II Scheme and is recipient of DST-FIST Level I grant twice. The Department has successfully completed an International collaborative research project with the University of Maryland under the DST-NSF Material World Network Programme. It is also pursuing an ISRO-GBP research project in the area of atmospheric chemistry. Recently, the department was awarded the prestigious Indo-US 21<sup>st</sup> Century Knowledge Initiative Research Grant, to the tune of Rs. 11.7 million, for its research programme on Solar Hydrogen in collaboration with Arizona State University, USA. The members of the department have worked in collaboration with Prof Kattesh V Katti, Director, Green Nanotechnology Platform, University of Missouri, Columbia, USA, in the area of Phytochemical studies on anti-cancer drug development. The Department has also signed a Memorandum of Collaboration with industrial partner, Indian Oil Corporation Ltd., to upscale the hydrogen production devices and for developing a test reactor in the country. The Department is associated with SIGACHI Industries Pvt. Ltd., Hyderabad and working towards the designing of novel materials, viz. nano-cellulose, for commercial applications. Department is in active research collaboration with several other Research Laboratories/Institutions, namely: IIT Delhi; BARC, Mumbai; Indian Association for the Cultivation of Science, Kolkata; Jawahar Lal Nehru Centre for Advanced Scientific Research, Bangalore; Inter University Accelerator Centre, New Delhi; Physical Research Laboratory, Ahmedabad; Jawahar Lal Nehru University, New Delhi; International Centre for Genetic Engineering and Biotechnology, New Delhi; IIT Roorkee; IISc, Bangalore; IIT Mumbai, Jawaharlal Nehru Cancer Hospital & Research, Bhopal; National Physical Laboratory, New Delhi and University of Malay, Malaysia.

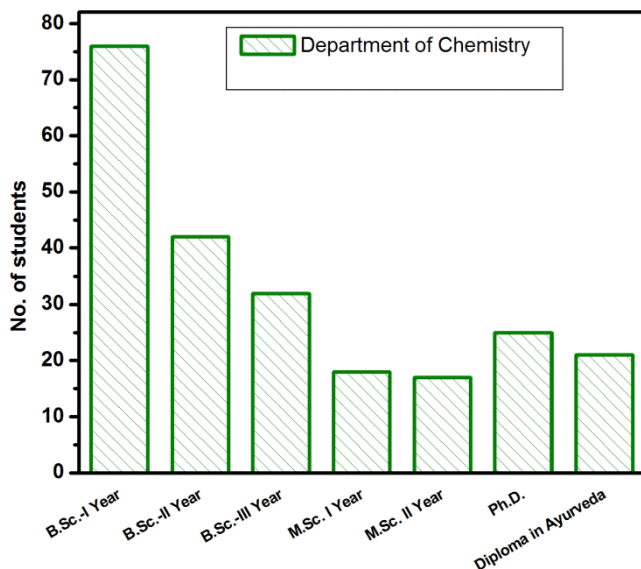
The faculty members have been nominated as Members to Science Academies and accorded distinctive awards/medals/prizes in their research areas. Faculty members regularly visit different Universities and Research Organizations in the country and abroad, in the capacity of Visiting Professor and Resource Person to deliver lectures in UGC sponsored refresher courses and invited talks, chair sessions in national/international conferences and as examiner for Ph.D. thesis. They also serve as Editor and Reviewer for many reputed journals, Expert in the Selection Committees, Board of Studies, Academic Bodies of Universities and Fellow/Member to the Science Academies. The alumni of the Department occupy high positions in the industry and academia and through their outstanding achievements have truly reflected the quality of training imparted to them by the Department.

### Facilities

The department is equipped with state of the art instruments like X-Ray Diffractometer, High Performance Thin Layer Chromatograph, Ion Chromatograph, Atomic Absorption Spectrophotometer, Gas Chromatograph, FT-Infra Red Spectrometer, UV-Visible Spectrophotometer, Potentiostat, Carbon Analyser, Online Ozone, NO<sub>x</sub> and CO Analysers, Atomic Force Microscope, GC-MS, Raman Spectrometer, Table top SEM, Spray Pyrolyzer, Electrochemical Work station, Cluster Computer, Weather Station, Zeta sizer and several air sampling equipments.

The number of students enrolled in the various programmes in the session 2017-2018 are shown in figure ahead.





### Projects Sanctioned

1. The Department was sanctioned the FIST Grant worth Rs. 1.30 Crore by DST for the period 2018-2022. In this grant, the department was sanctioned an Equipment grant to procure instruments like DTA-DSC, ICP-AES, and Thermal Desorption Unit along with an Infrastructure and Maintenance Grant.
2. Project entitled “Studies on novel semiconductors towards increasing the efficiency of Photo-electro-chemical (PEC) water splitting for hydrogen generation” was sanctioned to Prof. Sahab Dass (PI) and Prof. Vibha Rani Satsangi (Co-PI from Dept. of Physics and Computer Science, DEI) and Prof. Rohit Shrivastava (Co-PI) worth Rs. 1,41,97,000/- by Ministry of New and Renewable Energy, Hydrogen Energy and Fuel Cell Division, GOI for a period of 3 years (2018-2021).
3. 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.
4. The ISRO- ARFI Project sanctioned to Dr. Ranjit Kumar has been extended for the period 2018-2019 with an additional grant of Rs. 10.0 lakh.
5. Project entitled Chemical characterization of PM<sub>1</sub> and health risk assessment was sanctioned to Prof. K. Maharaj Kumari (PI) and Dr. Anita Lakhani (Co-PI) worth Rs. 29.0 lakhs by DST- SERB, New Delhi for the duration 2017-2020.
6. Project entitled Generation of Reactive Oxygen Species in size fractionated ambient particulate matter: Association with metals, polyaromatic hydrocarbons and meteorology was sanctioned to Dr. Anita Lakhani (PI) and Prof. K. Maharaj Kumari (Co-PI) worth Rs. 30.5 lakhs by DST, New Delhi for the duration 2018-2022.

### Seminars Organised

- One Day Workshop on “Recent Trends in Sustainable Green Technologies” was organised on 5<sup>th</sup> May, 2018 under the TEQUIP III program of Engineering Faculty. The inaugural address was given by Prof. Sourav Pal, Director, IISER-Kolkata followed by Invited talks delivered by following distinguished speakers
  - ✓ Prof. Balaji R. Jagirdar, Indian Institute of Science, Bangalore  
*Solvated Metal Atom Dispersion and Digestive Ripening – DuoPar Excellence for Diverse Nanostructured Materials*

- ✓ Dr. N. Rajalakshmi, Centre for Fuel cell Technology (ARCI), IIT Madras  
*Green and Sustainable Energy: Fuel cells and Electrochemistry*
- ✓ Dr. S. Suresh Babu, Vikram Sarabhai Space Centre, Thiruvananthapuram  
*Climate Effects of Black Carbon Aerosols*
- ✓ Dr. R. Jenamani, Indian Meteorology Department (IMD), New Delhi  
*Fog and Thunderstorm: Formation Process, Variability, Trend Severity and method of forecasting*
- ✓ Prof. S. Ramaprabhu, Department of Physics, IIT Madras  
*Carbon Nanomaterials for Sustainable Green Technologies*
- ✓ Prof. T. R. Sreekrishnan, Indian Institute of Technology, Delhi  
*Energy Neutral Biological Processes for Waste Management*

### Achievements

- Anupam Srivastava was conferred the prestigious **Bhaskara Advanced Solar Energy (BASE)** Fellowship Program supported by the Department of Science and Technology, Govt. of India, and the Indo-U.S. Science and Technology Forum (IUSSTF), under which he visited The University of Utah, USA for a period of 3 months from May –July 2018.
- **GATE and NET Qualifiers:** Ms. Sakshi Agarwal (AIR-557) and Mr. Ajeet Kumar Sharma (AIR 969) (M.Sc. Students of 2015-2016 batch) qualified GATE 2017 and have been selected to pursue Ph.D. at IISc Bangalore and IIT Roorkee respectively.  
Mr. Pushpendra Kumar, MSc final student for securing AIR 66 in CSIR NET-JRF and Ms. Priya (2017 batch ) for securing 68 rank in CSIR NET JRF, 2018.
- **Best Paper Awards**
  - ✓ Anamika Banerjee, was awarded by ACS OMEGA (ACS Publication) for Best Poster, titled “Bioinspired catalyst aided Fe<sub>2</sub>O<sub>3</sub> for efficient hydrogen generation via photoelectrochemical water splitting” at International Conference on Advanced Nanomaterials and Nanotechnology (ICANN 2017), IIT Guwahati.
  - ✓ Puneet Kumar Verma received Best Poster Award and a cash prize of Rs. 3000 for his presentation entitled Gas phase measurements of Polycyclic Aromatic Hydrocarbons (PAHs) International Conference on Understanding, Predicting and Projecting Climate Change over Asian Region (UPCAR) 2017 at National Atmospheric Research Laboratory, Gadanki, Tirupati.
  - ✓ Puneet Kumar Verma received Best Paper Award alongwith a gift voucher of 200 Euros to procure Journal articles, Books, Encyclopedias, etc. from Springer for the paper entitled Gas-particle phase distribution of PAHs at different sites in Agra in the Indian International Conference on Air quality Management, Health and Exposure (IICAQM) 2017 at IIT New Delhi.
  - ✓ Pooja Chahar, was awarded the Best Oral Presentation Award for paper entitled- Effect of Autoclave Pretreatment on Biohydrogen Production from Solid and Liquid Petha Waste, in ESW V Annual National Conference on Sustainable Development of Ecosystem, Wildlife and Heritage conservation for Human welfare held on 30 & 31 January 2018.
  - ✓ Sachin Saxena, received Best paper Award in IEEE sponsored NSC-2017, Dayalbagh Educational Institute for the paper entitled Hydro Geophysical studies and water analysis for River banking filtration system on the banks of river Yamuna at Dayalbagh, Agra.
  - ✓ Sonal Kumari received Best Paper Award (Certificate with Cash Prize of Rs. 5000) for her paper entitled: “Enhancements in Surface Ozone Levels at a Suburban Site Associated with Crop Residue Burning in Indo-Gangetic Plain: A Case Study” in International Tropical Meteorology Symposium (INTROMET-2017) on “Advancements in Space-based Earth

Observations and Services for Weather and Climate” organized at Space Applications Centre, Ahmedabad, held during 7-10 November, 2017.

- ✓ Mr. Dinesh Sah - First Prize for presentation of paper 3<sup>rd</sup> International Conference on Air quality Management jointly organized by Dept. of Civil Engg., IIT, Chennai and Dept. of Civil and Environmental Engg., University of Surrey, UK held at IIT, Madras, 6-7<sup>th</sup> December, 2018.
- ✓ Puneet Kumar Verma, - Travel Award of 1000USD to participate in the American Geophysical Union (AGU) Fall Meeting Outstanding Student Presentation Award (OSPA) program, from 10-14 December 2018, at Washington, D.C.
- ✓ Pratima Gupta, Research Scholar, Department of Chemistry received Young Scientist Award at the Indian Science Congress Association, held in Kolkata in 2018.
- ✓ Rohini Singh was awarded Best Paper Award for her paper entitled: ‘Quantification and identification of bioaerosols at a semi-arid region over Indo-Gangetic basin’ In International Conference on Recent Advances in Environmental Pollution Held at hotel Clark Shiraz Organized by St. John’s College, Agra, 27 to 29 November, 2018.
- ✓ Saurabh Yadav was awarded Third Prize for his poster presentation entitled: ‘Bioactive principle loaded Gold nanoparticles of Madhuca longifolia as potent anti-melanoma agent: Green synthesis, characterization and in-vitro bioefficacy’ National Conference NSTC Nanotech 2018 Industry Innovations on 28th November 2018 at Hotel Crown Plaza, Mayur Vihar, New Delhi.

- **Patent**

A patent entitled, “A Physico Chemical Process to Enhance the Sorption Efficiency of *Leucaena Leucocephala* Seed Powder (LLSP)” (No. 293876) has been granted for 20 years on 06.03.2018 to Prof. Shalini Srivastava, Prof. M. M. Srivastava and Dr. Pritee Goyal of Department of Chemistry.

- **Recognitions**

- ✓ The members of the department 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), Environmental Pollution, International Journal of Sediment Research, Atmospheric Research and Science of the Total Environment.
- ✓ Prof Sahab Dass was the external examiner to PhD thesis of University of Malaya (Kuala Lumpur) and IIT Delhi.
- ✓ Dr. Ranjit Kumar served as Guest Editor, Special issue of the Proceedings of the Indian National Science Academy (PINSAs), New Delhi

#### **Participation in Conferences/ Seminars/ Workshops/ Training Programs/Courses**

1. Prof. Sahab Dass chaired a session and delivered a talk, titled “In search of Ideal Semiconductor for Solar Induced Water Splitting for Hydrogen Generation” at International Conference on Advanced Nanomaterials and Nanotechnology (ICANN 2017), December 18-21, IIT GUWAHATI.
2. Sonal Kumari attended short course on ‘Atmospheric Remote sensing for Weather and Climate’ during 2-12 Jan, 2018 at Indian Institute of Remote Sensing, Dehradun.
3. Pratima Gupta attended 3<sup>rd</sup> International Workshop on Atmospheric Composition and the Asian Monsoon (ACAM) held at Jinan University in Guangzhou, China from 5 - 9 June, 2017 and presented a paper entitled, A study on characterization, emission and deposition of black carbon over Indo-Gangetic Basin. She also participated in the training school on

Atmospheric Composition and Asian Monsoon held from 10-12 June 2017 in Guangzhou, China. She received full financial support from International Global Atmospheric Chemistry (IGAC), USA for her travel and stay at China.

4. Sana Ansari visited Center of Nanotechnology (CNT), King Abdulaziz University, Jeddah, Saudi Arabia (from April 15 to June 30, 2017) an international research center, funded by Ministry of Higher Education, Saudi Arabia in connection with her experimental and characterization work related to her PhD thesis.
5. Gurpreet Kaur and Anamika Banerjee visited Arizona State University, Phoenix, USA from July – September, 2017 under the collaborative program “Indo- US 21<sup>st</sup> Century Knowledge Initiative” funded by UGC.
6. Anupam Srivastav presented a poster on the topic entitled “Experimental and First Principle Studies of Oxygen Vacancy on BiVO<sub>4</sub>/BiV<sub>1-x</sub>Mn<sub>x</sub>O<sub>4</sub>  $n-n^+$  Homo Junction for Photoelectrochemical Splitting of Water” in 21<sup>st</sup> CRSI National Symposium in Chemistry- 14<sup>th</sup> July- 16<sup>th</sup> July, 2017 at IICT, Hyderabad.
7. Anuradha Verma presented a poster on “Gold Nanoparticles Embedded BiVO<sub>4</sub>/Fe<sub>2</sub>O<sub>3</sub> Heterojunction Photoanodes for Sunlight Induced Water Splitting for Hydrogen Generation” in 21<sup>st</sup> CRSI National Symposium in Chemistry- 14<sup>th</sup> July- 16<sup>th</sup> July, 2017 at IICT, Hyderabad.
8. Puneet Kumar Verma presented a poster on the topic Gas-particle partitioning and Temperature dependence of Polycyclic Aromatic Hydrocarbons (PAHs) and Nitro-PAHs at Rural site in Agra in International Conference on Crystal Ball Vision on Science and Engineering for Societal Upliftment- 7-8 August, 2017 at CSIRO, NIO, Goa.
9. Dolly Kumari presented a paper Ultrasonic Pretreatment of Petha Waste Water Pretreated Rice Straw for Optimum Production of Methane and Ethanol using Mixed Culture in ESW V Annual National Conference on Sustainable Development of Ecosystem, Wildlife and Heritage conservation for Human welfare, held on 30 & 31 January 2018.
10. Mukti Sharma, presented paper entitled Green technological Enhancement in Anti-inflammatory bio efficacy of *Madhuca longifolia* seed extract in carrageenan induced paw edema in *Swiss albino* mice model, at International Conference on Nanotechnology: Ideas, Innovation and Initiatives, 6<sup>th</sup>-8<sup>th</sup> Dec, 2017, IIT Roorkee.
11. Saurabh Yadav presented a 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, on 9-11 March, 2018 at School of Studies in Environmental Chemistry, Jiwaji University, Gwalior.

## 12. Excursions/ Visits/ Winter Camp

13. 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.
14. An educational trip to Narora Atomic Power Station of M. Sc. and B. Sc. (Hons.) Students was organised on February 12, 2018 and of M.Sc. students and Research scholars to Mathura Refinery on 14<sup>th</sup> November, 2017.
15. Winter camp was organized for the students of Class IX to XII on 26/12/17 demonstrating simple experiments in Chemistry to create interest in Science. Teaching science with fun made kids to get involved in the science and grab the basics to the most.

## Publications

1. Dinesh Sah, Puneet Kumar Verma, K.Maharaj Kumari, Anita Lakhani, Chemical fractionation of heavy metals in fine particulate matter and their health risk assessment through inhalation exposure pathway, *Environmental Geochemistry and Health*, <https://doi.org/10.1007/s10653-018-0223-8>, 2018.
2. Sonal Kumari, Nidhi Verma, Anita Lakhani, Suresh Tiwari, K. Maharaj Kumari Tropospheric ozone enhancement during post-harvest crop-residue fires at two downwind sites of the Indo-Gangetic Plain, *Environmental Science and Pollution Research*, 25,18879–18893, 2018.
3. Verma, N., Satsangi, A., Lakhani, A. and Kumari, K.M.,. Characteristics of surface ozone in Agra, a sub-urban site in Indo-Gangetic Plain. *Journal of Earth System Science*, 127(3), p.42, 2018.
4. Anita Lakhani, Polycyclic Aromatic Hydrocarbons: Sources, Importance and Fate in the Atmospheric Environment, *Current Organic Chemistry*, 22, 1083-1102, 2018.
5. Kumari D., and Singh R, Pretreatment of lignocellulosic wastes for biofuel production: a critical review, *Renewable and Sustainable Energy Reviews*, 90, 877-891, 2018.
6. Ansari, S., Ansari, M. S., Devnani, H., Satsangee, S. P., & Jain, R. CeO<sub>2</sub>/g-C<sub>3</sub>N<sub>4</sub> nanocomposite: A perspective for electrochemical sensing of anti-depressant drug. *Sensors and Actuators B: Chemical*, 273, 1226–1236, 2018,
7. Ansari, S., Ansari, M. S., Satsangee, S. P., & Jain, R., WO<sub>3</sub> decorated Graphene nanocomposite based electrochemical sensor: A prospect for the detection of anti-anginal drug. *Analytica Chimica Acta*, 2018.
8. Dolly Kumari, Pooja Chahar and Radhika Singh, Effect of Ultrasonication on Biogas and Ethanol Production from Rice Straw Pretreated with Petha Waste Water and Dairy Waste Water. *International Journal of Current Engineering and Scientific Research*, 5(1), 65-73, 2018. ISSN (Print): 2393-8374, (Online): 2394-0697.
9. Sachin Saxena, Sudhir Kumar Verma, Soami P Satsangee, Voltammetric study of multiwalled carbon nanotube modified screen printed carbon electrode for the determination of a phytoconstituent wedelolactone, *Materials Today: Proceedings*, Elsevier 2018 (Accepted, Reference No. MATPR 3445, S2214-7853(17)32044-8).
10. Sonal Kumari, Nidhi Verma, Anita Lakhani and K. Maharaj Kumari Tropospheric ozone enhancement during post-harvest crop-residue fires at two downwind sites of the Indo-Gangetic Plain, *Environmental Science and Pollution Research* 25:18879–18893, 2018
11. Anita Lakhani, Polycyclic Aromatic Hydrocarbons: Sources, Importance and Fate in the Atmospheric Environment, *Current Organic Chemistry*, 22, 1083-1102, 2018.
12. Sonal Sahai, Ashi Ikram, Snigdha Rai, Sahab Dass, Rohit Shrivastav and Vibha R. Satsangi, Quantum dots sensitization for photoelectrochemical generation of hydrogen: A review, *Renewable Energy and Sustainable Energy Reviews*, 68, 19–27, 2017.
13. Anamika Banerjee, Biswajit Mondal, Anuradha Verma, Vibha R. Satsangi, Rohit Shrivastav, Abhishek Dey, Sahab Dass, Enhancing Efficiency of Fe<sub>2</sub>O<sub>3</sub> for Robust and Proficient Solar Water Splitting by Using Highly Dispersed Bioinspired Catalyst, *Journal of Catalysis*, 352, 83-92, 2017.
14. Anuradha Verma, Anupam Srivastav, Saif A. Khan, Vibha Rani Satsangi, Rohit Shrivastav, Devesh Kumar Avasthi, Sahab Dass, Enhanced Photoelectrochemical Response of Plasmonic Au Embedded BiVO<sub>4</sub>/Fe<sub>2</sub>O<sub>3</sub> Heterojunction, *Physical Chemistry and Chemical Physics*, 19, 15039, 2017.
15. Priyanka Jain, Shilpa Varshney and Shalini Srivastava. Application of Nitrogen-Enriched Nanobiopolymer for Effective Removal of Cr(VI) from Tannery Effluent. *Separation Science and Technology*, 52(9), 1572-1582, 2017.

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19. Awni Agarwal, Ankita Mangal, Aparna Satsangi, Anita Lakhani, K. Maharaj Kumari. Characterization, Sources and Health Risk Analysis of  $P_{M2.5}$  bound Metals during Foggy and Non-foggy days in Sub-urban Site of Agra. *Atmospheric Research*, 197, 121-131, 2017.
20. Puneet Kumar Verma, Dinesh Sah, K. Maharaj Kumari, Anita Lakhani. Atmospheric Concentrations and Gas-particle Partitioning of Polycyclic Aromatic Hydrocarbons (PAHs) and Nitro PAHs at Indo Gangetic Sites. *Environmental Science: Processes and Impacts*, DOI: 10.1039/C7EM00168A, 2017.
21. Nidhi Verma, Anita Lakhani, K. Maharaj Kumari. High Ozone Episodes at a Semi-urban Site in India: Photochemical Generation and Transport, *Atmospheric Research*, 197, 232-243, 2017.
22. Dolly Kumari, Pooja Chahar and Radhika Singh, 2017. Coupled Green Pretreatment of Petha Waste Water and Rice Straw. 41<sup>st</sup> National Science Conference (NSC), 1<sup>st</sup>-3<sup>rd</sup> December, 2017 IEEE, DEI, Dayalbagh, Agra. Institute of Electrical and Electronics Engineers, IEEE Xplore (Accepted).
23. Pooja Chahar, Dolly Kumari, Shipra Verma and Radhika Singh, 2017. Effect of Microwave Pretreatment on Biohydrogen Production by Dark Fermentation of Dairy Waste Water. 41<sup>st</sup> National Science Conference (NSC), 1<sup>st</sup>-3<sup>rd</sup> December, 2017 IEEE, DEI, Dayalbagh, Agra. Institute of Electrical and Electronics Engineers, IEEE Xplore (Accepted).
24. Dinesh Sah, Puneet Kumar Verma, K. Maharaj Kumari and Anita Lakhani. Heavy Metal Fractionation of Fine Particulate Matter through Sequential Extraction Procedure: Bioavailability and Health Risk Assessment. IEEE Sponsored 41<sup>st</sup> National Systems Conference (1-3 Dec. 2017) DEI, Agra, India.
25. Awni Agarwal, Anita Lakhani, K. Maharaj Kumari. Air Quality Index and Chemical Characterization of  $PM_{2.5}$  at a suburban site of north central India. IEEE Sponsored 41<sup>st</sup> National Systems Conference, 2017.
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#### Book Chapters

1. K. Maharaj Kumari and Anita Lakhani, PAHs in Gas and Particulate Phases: Measurement and Control. Springer, Singapore, 2018, ISSN: 978-981-10-7331-1
2. Pankaj, S. Sahu, S. Misra and H. Srivastava, Role of Ultrasound in the Synthesis of Nanoparticles and Remediation of Environmental Pollutants In Photocatalytic



Nanomaterials for Environmental Applications, Materials Research Forum LLC, USA, Volume 27 (2018), Chapter 16, 433 – 472.

3. K. Maharaj Kumari and Anita Lakhani, Sampling of Aerosol, Air and Water In Environmental Science, e-PG Pathshala, a MHRD Project under the National Mission on Education through ICT (NME-ICT), 2017.
4. Anita Lakhani, Carcinogens in Air In Environmental Science, e-PG Pathshala, a MHRD Project under the National Mission on Education through ICT (NME-ICT), 2017.
5. Anita Lakhani, Persistent Organic Pollutants, In Environmental Science, e-PG Pathshala, a MHRD Project under the National Mission on Education through ICT (NME-ICT), 2017.

## Department of Physics and Computer Science

The department of Physics and Computer Science focuses on building a strong foundation in fundamental concepts of Physics while developing expertise in different aspects of electronics and computer science. It is headed by Prof. G. S. Tyagi. There are 6 Professors, 4 Associate Professors and 8 Assistant Professors in the department. The department offers the following programs

- B.Sc. (Hons) Physics
- B.Sc. (Hons) Computer Science
- B.Voc. Internet of Things
- B.Voc. Telematics
- M.Sc. Physics/Physics with spl. in Electronics/Computer Science
- M.Sc. Computer Science
- PG Diploma in Computer Science & Applications
- M.Phil. Physics
- M.Phil. Computer Science
- Ph.D

The department also offers Courses on Media Processing (Fall) and Intelligent Information Processing (Spring) for M.Sc. Computer Science, M.Phil. and B.Sc. Engg. jointly with Dept. of CSE, IITD Under DEI-IITD MoU and Courses on Information Centric Design of Systems (Fall) and Computer Networks (Spring) for M. Sc. Physics (Spl. CS), M.Sc. Math and M.Sc. Computer Science from Dept. of CSE, University of Maryland, College Park, USA under DEI-UMD MoU. The research areas of the department are Quantum Information Systems, Solar Energy Conversion, Nano-Biophotonics Ultrafast Phenomena involving Nano-Bio-Photonics/Organic/Silicon Photonics, Microwave Devices, Neural Networks and Soft Computing, VLSI Design, Neural Networks and Soft Computing, String Theory and Astrophysics. The members of the department are on the Editorial boards of Journals such as Journal of Electronic Science and Engineering, Journal of Optical Engineering and Applications, Recent Patents on Signal Processing, International Journal of Computer & Electrical Engineering, International Journal Computer Theory and Engineering and also members of Review Boards of Journals like IEEE Trans. Fuzzy Systems, IEEE Trans. Neural Networks, IEEE Trans. Systems, Man & Cybernetics, IEEE J. Quantum Electronics, IEEE Trans. Evolutionary Computation, Optics Express, Optical Engineering, Optics Communications, Optics and Laser Technology, Photochemistry and Photobiology B, J. Modern Optics, Intl J. Hydrogen Energy, J. Phys. Chem., Materials Research Bulletin, Papers in Physics, Swarm and Evolutionary Computation, General Relativity and Gravitation, Mathematical Reviews, Intl. J. of Computer Theory and Engineering, Intl. J. of Physical Sciences, J. of

Petroleum Tech. and Alternate Fuels, J. of Engineering and Computer Innovation, Current Science, Pramana-Journal of Physics, Indian Journal of Physics.

The department has collaborations with Harvard University, USA, Stanford University, USA, Princeton University, USA, Michigan State University, USA, University of California Santa Barbara, USA, University of Maryland, College Park, USA, Arizona State University, Tempe, USA, Northeastern University, USA, University of Waterloo, Canada, Max Planck Institute for Science of Light, Germany, Hokkaido University, Sapporo, Japan, TIFR, Mumba, TIFR, Bengaluru, IISc., Bengaluru, JNCASR, Bengaluru, IIT Delhi, IIT Kanpur, Inter-University Accelerator Centre, New Delhi, National Physical Lab., New Delhi, CDAC, Pune and Indian Oil Corporation, Faridabad.

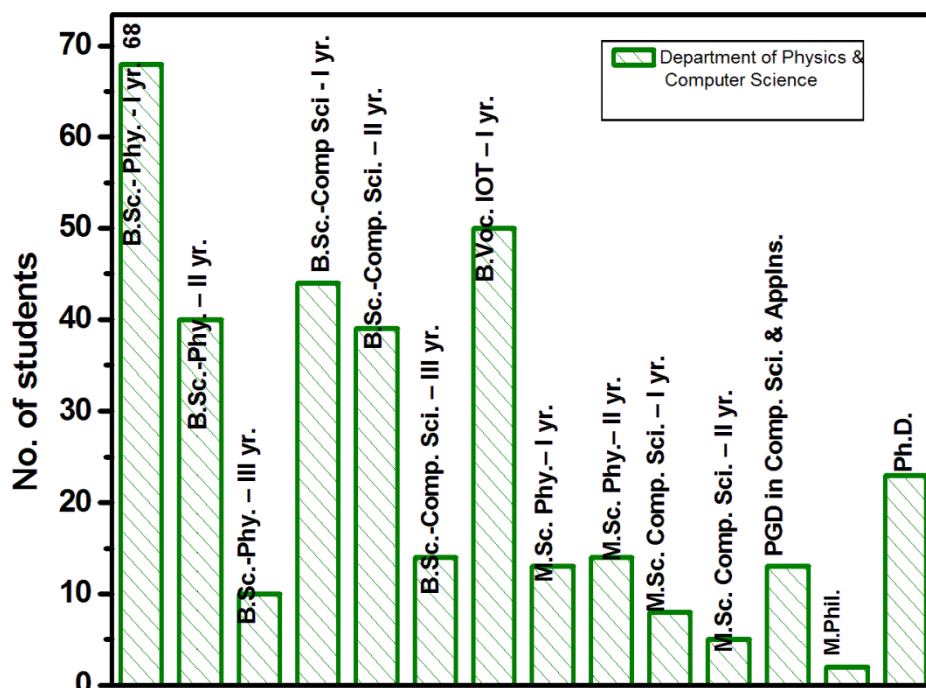
### Facilities

The department has a 296-Core Computing Cluster, Virtual Instrumentation Lab., 22-Terminal Computing Lab, Atomic Force Microscope Ns Laser Flash Photolysis Spectrometer, Surface Profiler Tubular Furnace, HP RF Vector Network Analyzer, Indigenously Designed Remote Triggered – Analog Communication Electronics (RT-ACE) Lab., and a 5G Laboratory, 2016.

The department hosts a Under-Graduate Research Award (UGRA) to 5-6 bright students selected annually from Science and Engineering in research areas of the Department.



The number of students registered in the various programmes offered by the department is as below:



### Awards and Recognitions

- Saatviki Gupta received the prestigious INSPIRE Faculty Award from DST in 2017.
- Nirat received the Doctoral Fellowship from the University of Maryland, College Park, USA.
- Prem Pyari Tewari received the Best Paper Award for Magnetosonic wave evolution in the Laser Plasma Interaction at the ASAR International Conference, New Delhi 2017.
- Dr. Shiroman Prakash received the DST Early Career Research Award from the Department of Science and Technology in 2018.
- Dr. Shiroman Prakash became the Fellow of Royal Astronomical Society, London in 2017.
- Prof. Sukhdev Roy received several certificates of reviewing from the following journals, Optik-International Journal for light and electron optics, Elsevier; Results in Physics, Elsevier; Microprocessors and Microsystems, Elsevier ; Optical Engineering, SPIE
- Dr. Dayal Pyari Srivastava received top ranking for Taylor and Francis article on Altmetric for the Week of May 8, 2017.

### ***GATE and UGC-NET Qualified Students (2017-18)***

UGC-NET: Laxmi Verma Arya, Bingi Binathi, Sajal Mittal, Anshul Pundhir

GATE: Hina Sharma, Nupur Kumari, Sajal Mittal, Anshul Pundhir, Bingi Binathi

### Placements

- Hina Sharma, Sonal Chaudhary, Shivani Pandey, Shivi Kulshreshtha, Mehar Charan Sahai, were placed as Assistant System Engineers in TCS.
- Sunil Pratap Singh - Assistant Professor, Bharti Vidhyapeet's Institute of CAM
- Aman Tyagi - Assistant Professor, Shri Rawatpura Sarkar Institute of Technology and Science, Datia
- S.N.L. Sirisha - Srinivasa Institute of Engineering and Technology, Cheyyeru, NH 216, Andhra Pradesh
- Priti Gupta - Postdoctoral Research Scientist (Project Prakash)
- Purnima Sethi - DST INSPIRE Faculty Fellow, Center for Nano Science and Engineering, IISc, Bangalore

### Publications

1. Sonal Sahai, Ashi Ikram, Snigdha Rai, Sahab Dass, Rohit Shrivastav and Vibha R. Satsangi, Quantum dots sensitization for photoelectrochemical generation of hydrogen: A review, Renewable Energy and Sustainable Energy Reviews, 68, 19–27, 2017.
2. Anamika Banerjee, Biswajit Mondal, Anuradha Verma, Vibha R. Satsangi, Rohit Shrivastav, Abhishek Dey, Sahab Dass, Enhancing Efficiency of  $\text{Fe}_2\text{O}_3$  for Robust and Proficient Solar Water Splitting by Using Highly Dispersed Bioinspired Catalyst, Journal of Catalysis, 352, 83-92, 2017
3. Anuradha Verma, Anupam Srivastav, Saif A. Khan, Vibha Rani Satsangi, Rohit Shrivastav, Devesh Kumar Avasthi, Sahab Dass, Enhanced Photoelectrochemical Response of Plasmonic Au Embedded  $\text{BiVO}_4/\text{Fe}_2\text{O}_3$  Heterojunction, Physical Chemistry and Chemical Physics, 19 (23), 15039-15049, 2017
4. Dipika Sharma, Biswarup Satpati, Vibha R. Satsangi, Rohit Shrivastav, Umesh V. Waghmare and Sahab Dass, Electronic Band-offsets across  $\text{Cu}_2\text{O}/\text{BaZrO}_3$  Heterojunction and its Stable PhotoElectro-Chemical Response: First-principles Theoretical Analysis and Experimental Optimization, Renewable Energy, DOI: 10.1016/j.renene.2017.06.022, 2017

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  26. K. S. Daya, Prem Saran Tirumalai, Evangelyn Alocilja, Impedance and Magnetohydrodynamic Measurements for Label Free Detection and Differentiation of *E. coli* and *S. aureus* using Magnetic Nanoparticles, *IEEE Transactions on NanoBioscience*, 17(4), 443-448S, 2018
  27. S. Saran, N. Gupta, S. Roy, Theoretical analysis of low-power fast optogenetic control of firing of Chronos-expressing neurons, *Neurophotonics*, 5(2), 025009. 2018
  28. C. Patvardhan, Pragyesh Kumar, C. Vasantha Lakshmi, Effective Color image watermarking scheme using YCbCr Color space and QR code, *Multimedia Tools and Applications*, 1-23, 2018

## Department of Zoology

The Department of Zoology was established in the year 1970 as a premier Centre for teaching and research in Zoology under the Radhasoami Educational Institute (REI) and in 1981 became part of the Dayalbagh Educational Institute, (DEI) Deemed University. The Department is headed by Prof. Sant Prakash and comprises of 3 Professors, 1 Associate Professor, 5 Assistant Professors, 1 Emeritus Professor and 1 Guest faculty. The Department emphasizes a seamless transition from Classical Zoology to frontier areas of Zoology with active interspersions of interdisciplinary research. The current research and teaching areas in the Department include Molecular Genomics; Genotoxicity, Computational Biology, Vector Control Entomology, Vector Control Parasitology; Molecular Systematics; Evolution and Biodiversity, Cell-Biotechnology and Nano-biotechnology, Neurobiology, Molecular Genetics & Evolutionary Biology, Sustainable Eco-Development & Biodiversity Conservation. The faculty is actively involved in participatory research under Institutes MOU programmes with ICGB, University of Missouri, USA, University of Maryland USA, National Institute of Health and Family Welfare (NIHFW / ICMR) New Delhi, Centre for Research on Goats (CIRG / ICAR) Mathura, MOU DBT - Biotech Park Lucknow, National JALMA Research Institute for Leprosy and other Mycobacterial Diseases (JALMA) Agra, Advanced Treatment Institute, Tassilo, Gauting Germany, MOU International Centre for Genetic Engineering and Biotechnology (ICGEB) New Delhi. The faculty in the department are acclaimed for their high achievements as Fellow of Royal Society of Entomology; INSA; JURY Member of DST-INSPIRE AWARDS; Members of the Selection Boards of Professors of other institutions; Member of the Academic Bodies of other Universities; Reviewers and Editors of various National and International Journals. The department also has extramural funding from DST, DBT and UGC, besides receiving the grant under the DST-FIST programme. The department also extends support to the government agencies such as UP Forest Department, Jal Nigam, RSS Sabha for Laboratory Testing, Assessments, and Inventories. The Department has been holding various National and International Seminars and conferences to provide a platform for scientific exchanges. Two Patents have been filed and Fourteen Unique Gene Sequences have been

registered at NCBI, USA by the Faculty members. Recently the department has procured Real Time PCR (qPCR), Gradient PCR, Sonicator, Water purification system, Phase contrast microscope and several Computers. The department offers the following programmes:

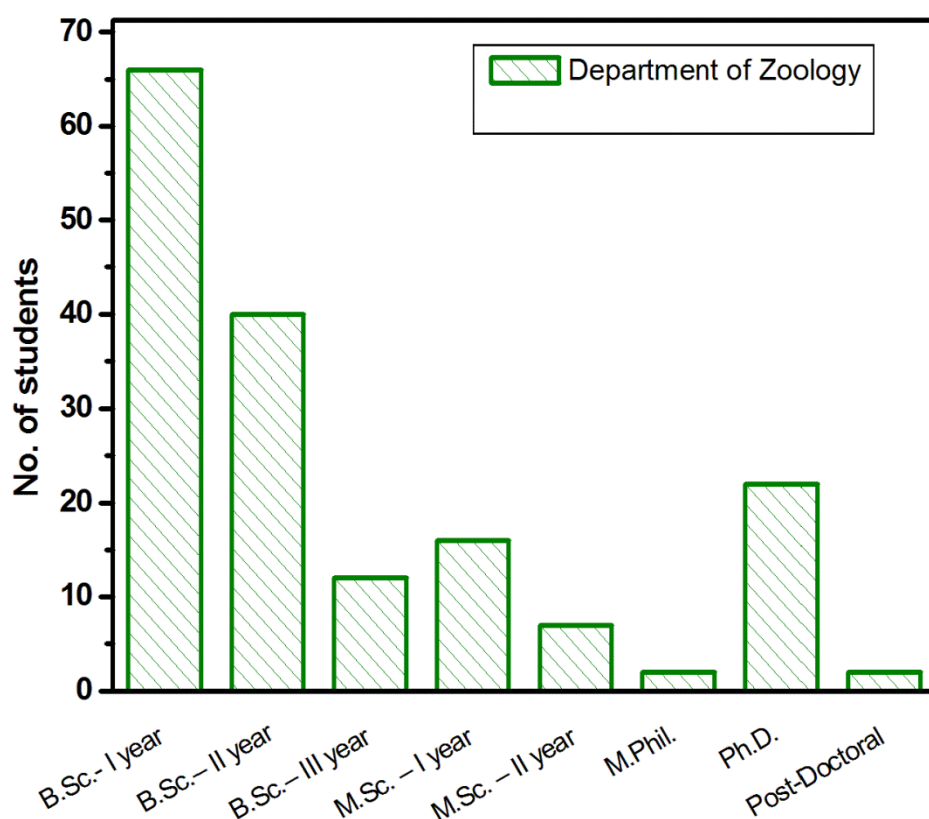
1. B.Sc. (Hons.) Zoology
2. M.Sc.
3. M Phil.
4. Ph.D.
5. Paramedical Certificate Courses: Nursing/ Midwifery / Companionship

It offers Work Experience Courses on:

Cell Biotechnology (I – VI Semester) and

Bioinformatics (I – II Semester)

The department has introduced new courses on Neurobiology and Neuroscience (Compulsory) for B.Sc. (Hons.) students and as electives at the PG level. The number of students registered in the various programs of the department is shown in figure



### Special Lectures Organized

Prof. P. Gautam, IIT Chennai delivered a talk on Frontier Areas in Biological Research on 15<sup>th</sup> January, 2018.

### Achievements

The following students qualified GATE and NET during the session or availed the DST INSPIRE fellowship.



<b>Madhu Chaturvedi</b>	<b>GATE, 2017</b>
<b>Rajul jain</b>	GATE, 2017
<b>Ritu Yadav</b>	GATE, 2018
<b>Anuradha kapoor</b>	GATE, 2018
<b>Poonam Sharma</b>	GATE, 2018
<b>Rahul Singh Tomar</b>	NET, 2017
<b>Jyoti Das</b>	NET, 2017
<b>Isha Hina</b>	NET, 2017
<b>Bhavna Pydah</b>	NET, 2018
<b>Surbhi Yadav</b>	NET, 2018
<b>Akansha Sharma</b>	INSPIRE, 2017
<b>Kriti Sharma</b>	INSPIRE, 2017

Neha Loach received Innovation Award on Poster presentation entitled, “Polymeric nanoparticles: A novel approach of plant based compounds for drug delivery” at National seminar “Biochrome” held in the Department of Biotechnology, Dr. MPS College, Agra on 17 November 2018.

Prof. Alka Prakash and Prof. Sant Prakash contributed Nine Unique Gene Sequences to the NCBI Gene Bank, USA.

### Invited Lectures/ Session chair

Prof. Sant Prakash delivered talk on Biotechnology and Future at Dr. MPS University Agra in February 2017 and chaired a session in the Seminar on Traffic and Green Technology organised by SPHEEHA, Agra in March 2018.

### Projects Ongoing and Sanctioned

- DST FIST sanctioned for the period 2015-2020 is in progress.
- Project entitled, Studies on brain derived neurotrophic factor level in human saliva as a futuristic biomarker of mental and spiritual health was sanctioned to Dr. Arun Sikarwar worth Rs.2.0 lakhs for 2017-2018 by DEI-UGC.
- Project entitled, Effect of selected pesticides on expression of human ortholog neurodegenerative genes in *Caenorhabditis elegans* worth Rs. 60.0 lakhs sanctioned to Dr. Priyanka Gautam by DST-SERB for the period 2016-18 is in progress.

### New Lab/ Facilities Created

The department has set up a DST FIST Central Instrument Lab and a DST FIST Networking Lab with installation of new equipments RT PCR, PCR, Sonicator and MilliQ Water System procured through DST FIST grant and an Inverted Fluorescent Microscope procured through DST-SERB grant.

### Publications

1. Deeksha Gautam, Neha Loach, Sanjeev Kumar Yadav, Suypradip Saha, C. N. Srivastava and Lalit Mohan, Bioefficacy evaluation of certain oleoresins against the larvae of *Rhipicephalus microplus* (acari: ixodidae). Advances in Bioresearch, 8 (5), 188-194, 2017.

2. Vijay Kishore, Neha Loach, Ashok Kumar, C.N. Srivastava and Lalit Mohan, Toxicity evaluation of cypermethrin, deltamethrin and diazinon with reference to *Hyalomma anatolicum* (Acari: Ixodidae), *Journal of Entomological Research*, 41 (3), 251-256, 2017.
3. Rahul Singh Tomar and Shabad Preet, Evaluation of anthelmintic activity of biologically synthesized silver nanoparticles against the gastrointestinal nematode, *Haemonchus contortus*. *Journal of Helminthology*, 91(4), 454-461, 2017.
4. Shabad Preet and Shivani Gupta. Genetic Diversity studies on *Culex quinquefasciatus* from diverse larval habitats using RAPD-PCR marker, *International Journal of Mosquito Research*, 4(2), 93-98, 2017.
5. Priya Agnihotri and Arun P. Sikarwar, Neuroprotective potential of phytomedicines by qualitative and quantitative analysis of antioxidants, *Indian Journal of Basic and Applied Research*, 2(2), 129-133, 2017.
6. Mahima Verma, Alka Prakash and Sant Prakash, Incidence of *E coli*, *salmonella* and *Staphylococcus* in camel milk collected from Bikaner, *Journal of Science and Technology*, 6 (1), 41-44, 2017.
7. Anjali and Sant Prakash, Ecological structure for Spiders of semi-arid habitat, *Indian Journal of Arachnology*, 6(1) 15-19, 2017.
8. Appeksha Mehra and Alka Prakash, Comparison of Planktonic and Sessile Cells of *Cronobacter sakazakii*, *J of Science & Technology*, 6(1), 5-10, 2017.
9. Puja Jhunjhunwala Chahar and Alka Prakash, Isolation and Molecular Characterization of Cellulolytic Microbes from Cow Dung, *Journal of Science & Technology*, 6(1), 1-4, 2017.
10. Sneha A and Shabad Preet, Fitness cost of malaria vector *Anopheles stephensi* induced with larvicidal and nutritional stress, *Journal of Asia-Pacific Entomology*, 21, 97-105, 2018.
11. Sweta Bhan, Lalit Mohan and C.N. Srivastava, Nanopesticides: A recent novel ecofriendly approach in insect pest management. *Journal of Entomological Research*, 42(3), 263-270, 2018.
12. Vijay Kishore, Neha Loach, Ashok Kumar, C.N. Srivastava and Lalit Mohan, Susceptibility status of certain synthetic pesticides against the cattle tick, *Rhipicephalus microplus* (Acari: Ixodidae), *Journal of Entomological Research*, 42(2), 281-286, 2018. Yeduraj and Sant Prakash, Approaches to studying behaviour in captive sloth bears through animal keepers feedback, *Zoo Biology*, 1, 1-8, 2018.

#### Participation in Conference/ Workshops/ Seminar/Symposia

1. Ritu Yadav and Alka Prakash, Effect of temperature and length of heat shock treatment on the growth of *Cronobacter sakazakii* in different media." AMI conference in Microbes for Sustainable Development: Scope & Applications at Babasaheb Bhimrao Ambedkar (A Central) University Lucknow, Uttar Pradesh from November 16-19 November, 2017.
2. Vijay Kishore, Neha Loach, C.N. Srivastava, Lalit Mohan. Acaricidal Bioefficacy of *Capsicum frutescens* fruit extracts against *Rhipicephalus (Boophilus) microplus*. Poster presentation at National Seminar "Small Ruminant: National Scope on up-scaling production to products value addition and their safety". Central Institute of Research on Goats Mathura-Uttar Pradesh 9-10 November 2017.
3. Neha Loach: Attended online seminar on "Web of Science Basic Series" (Webinar). 2017.
4. Ami Verma and Shabad Preet presented poster entitled, "Novel silver nanoparticles for management of dengue vector" in International conference on "Recent Trends in Chemical Sciences" 15-17 February, 2018 held at Jiwaji University Gwalior.
5. Rahul Singh Tomar and Shabad Preet presented a poster entitled, "Exploring Nanobiotechnology for controlling goat parasites", in International conference on

- “Recent Trends in Chemical Sciences” 15-17 February, 2018 held at Jiwaji University, Gwalior.
6. Rahul Singh Tomar and Shabad Preet presented a paper entitled, “Management of Livestock parasites through silver nanoparticles” in International conference on “Nanomaterials: Initiatives and Applications” March 9-11, 2018 held at Jiwaji University, Gwalior.

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# FACULTY OF SOCIAL SCIENCE

## 2017-2018

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# Faculty of Social Science

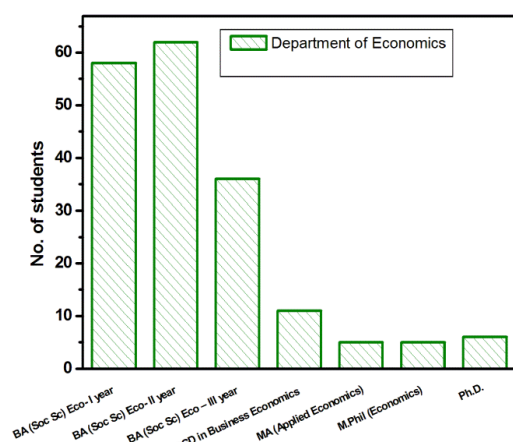
The Faculty of Social Sciences came into existence in the year 1994 when three Departments, viz., Economics, Psychology; Sociology & Political Science were delinked from the Faculty of Arts. In 2005, the Department of ACEEFO was brought under the umbrella of the Faculty of Social Sciences. Department of Management got the independent entity in 2006. Presently, the Faculty has the following four Departments:

1. Economics
2. Management
3. Psychology
4. Sociology & Political Science

All the departments of the Faculty offer Undergraduate, Postgraduate and PhD programmes.

## Department of Economics

The department envisions achieving excellence in teaching and significant research to provide quality education to students, and prepare professional leaders to address the emerging global challenges and to deal with economic, social and business realities. Department of Economics is one of the oldest departments of the University which began its journey in 1947 as a part of the erstwhile Women's Training College. Currently the Department offers: B.A. Social Science (Hons.), PostGraduation Diploma in Business Economics (PGDBE), M.A. (Applied Economics), M.Phil. (Economics), Integrated PGDBE - M.A. (Applied Economics), M.Phil integrated with Ph.D. Department of Economics is headed by Prof. Swami Prakash Srivastava. It offers B.A. Honours Economics (3 year course), M.A. (2 year course), Post-Graduation Diploma in Business Economics and Ph.D. The number of students registered in the various programmes is as follows:



## Invited Lectures

- Dr. Meenakshi Sinha delivered a lecture on Environmental valuation on 24<sup>th</sup> February, 2018.

- Dr. Shyam Sunder Singh Chauhan delivered a lecture on Demontization and its Impact on Indian Economy on 31<sup>st</sup> March, 2018.
- Prof. Ashok Mittal delivered a lecture on Use of Econometric in Economics on 13 April, 2018.
- Mrs. Sumati delivered a lecture on How to attend interview on 10<sup>th</sup> and 12<sup>th</sup> September, 2018.

### Awards and Recognitions

- Prof. S.P. Srivastava was conferred 'Lifetime Achievement in Humanities and Social Sciences Leadership' Award during the 2<sup>nd</sup> Higher Education Leadership Meet (HELM 2019) by Venus International Foundation-Chennai (TN) on January 5<sup>th</sup> 2019. He is the reviewer of 14<sup>th</sup> Annual conference proceedings of UPUEA and Member of Executive committee (UPUEA) and life member of Indian Economic Association (IEA), Indian Society of Labour Economics (ISLE), Indian Society of Agricultural Economics (ISAE), Indian Econometrics Society (IES), U.P. and Uttarakhand Economic Association (UPUEA), Bhartiya Arthik Sodh Sansthan BASS (Allahabad), Indian Commerce Association (ICA), and SSI.
- Dr. Sangeeta Kumar is the Life Member of Indian Society of Labour Economics (ISLE), Uttar Pradesh-Uttarakhand Economic Association (UPUEA), Research Journal of Arts, Management and Social Sciences.
- Prof. S.P. Srivastava, Dr. Sangeeta Kumar and Dr. Rupali Satsangi are Members of Editorial Board in Amity Journal of Economics (AJECO).

### Student's Achievements

- Dhristi Mahajan, student of B.A. (Social Science, 1<sup>st</sup> year) stood 1<sup>st</sup> in speech on Population Day in Unity day organized by NSS, ranked second in skit competition and speech competition on health & sanitation, ranked third in speech on literacy day.

### Participation in Workshops and Conferences

Prof. Swami Prakash Srivastava attended 21<sup>st</sup> Annual Conference of Indian Political and Economy Association, organized by Dept. of Humanities and Social Sciences and Dept. of Management Studies, Indian Institute of Technology –New Delhi-110016, Dec 8-9, 2017.

Prof. Swami Prakash Srivastava attended 100<sup>th</sup> Annual Conference of Indian Economic Association organized by Acharya Nagarjuna University-Guntur, Andhra Pradesh, 27<sup>th</sup> -30<sup>th</sup> December, 2017.

Prof. Swami Prakash Srivastava attended 13<sup>th</sup> Annual Conference of UPUEA organized by Bundelkhand University, Jhansi, October, 14-15, 2017.

Sangeeta Kumar, Mr. Narendra Modi and Indian Economy: Status and Challenges, 7<sup>th</sup> International Conference on Research in Engineering, Applied Science and Management (ICRTESM-2017) at Mahatma Chamber of Commerce Industries and Agriculture, Pune on 27<sup>th</sup> August 2017.

Sangeeta Kumar, A Study on Non-Performing Assets of Indians Banks: Trend and Recovery, International Conference on Innovative Trends in Engineering, Applied Science and Management



(ICITEASM-2018) Organized by Conference Info in Association With Academic Science at Osmania University Centre for International Programme, Hyderabad.

Sangeeta Kumar, An Analytical Study of Women Poverty in India, International Conference on Science, Technology and Social Humanities (ICSTSH-2018) Organized by Department of Zoology, School of Life Sciences, Dr. BRA university, Agra 26-28, February 2018.

Sangeeta Kumar, GST In India: Its Impact and Challenges, National Conference on Financial Reforms in India: Issues And Challenges (FRIIC-2018), Organized by Dayalbagh Educational Institute (Deemed University) Agra, 13-14 January, 2018.

Sangeeta Kumar, Ideas of Swami Vivekananda in Context of Indian Economy, 7<sup>th</sup> International Conference on Research Trends in Engineering, Applied Science and Management (ICRTESM-2017) at Maharashtra Chamber of Commerce Industries & Agriculture, Pune, on 27 August, 2017, ISBN: 978-81-934288-2-5

### **Publications**

1. Swami Prakash Srivastava, Goods and Service Tax (GST): Prospectus, Opportunities and Challenges, In Monetary and Fiscal issues in Development Process, Editors: Prof.(Dr.) Raghvendra Kumar Singh, Shandilya Publication –New Delhi-110041, 2018, pp. 1-25, ISBN 978-81-936378-7-6
2. Swami Prakash Srivastava, Role of Bit coin in Present Scenario of Global Economy: Issues, Opportunity, and Challenges, South Asian Journal of Socio-Political studies, XIII (2), 12-20, 2018, ISSN 0972-4613
3. Sangeeta Kumar, A critical analysis on feminization in India, in Sustainable development of Women, 408-418, 2018, ISBN- 978-93-83131-73-0
4. Sangeeta Kumar, Access to Finance through SHG-Bank Linkage Programme: how far it benefitted the Unprivileged, International Journal of Electronics, Electrical and Computational System, 7(4), 249-254, 2018.
5. Sangeeta Kumar, An analytical study on female poverty in India, International Journal of Creative Research Thoughts, 6 (1), 1557-1570, 2018, ISSN: 2320-2882
6. Sangeeta Kumar, A study on non-performing assets of Indian banks: trend and recovery, Proceedings of International Conference on Innovative Trends, In Engineering, Applied Science and Management (ICITEASM-2018) Organized By Conference Info in Association with Academic Science at Osmania University Centre for International Programme, Hyderabad.
7. Sangeeta Kumar, An Analytical study of women poverty in India, Proceedings of International Conference on Science, Technology And Social Humanities (ICSTSH-2018) Organized by Department of Zoology, School of Life Sciences, Dr. BRA University, Agra, 26-28 Feb. 2018.
8. Swami Prakash Srivastava, Role of FDI in Economic Development of India- Issues, Opportunities and Challenges, International Journal of Advanced Economics and Business Management, 4(2), 2017, ISBN 2394-1545.
9. Swami Prakash Srivastava and Sachin Prakash Srivastava, Role of Women in Indian Agriculture - Issues and Challenges, Journal of Agroecology and Natural Resource Management, 4(1), 37-43, 2017. ISBN 2394-0786.

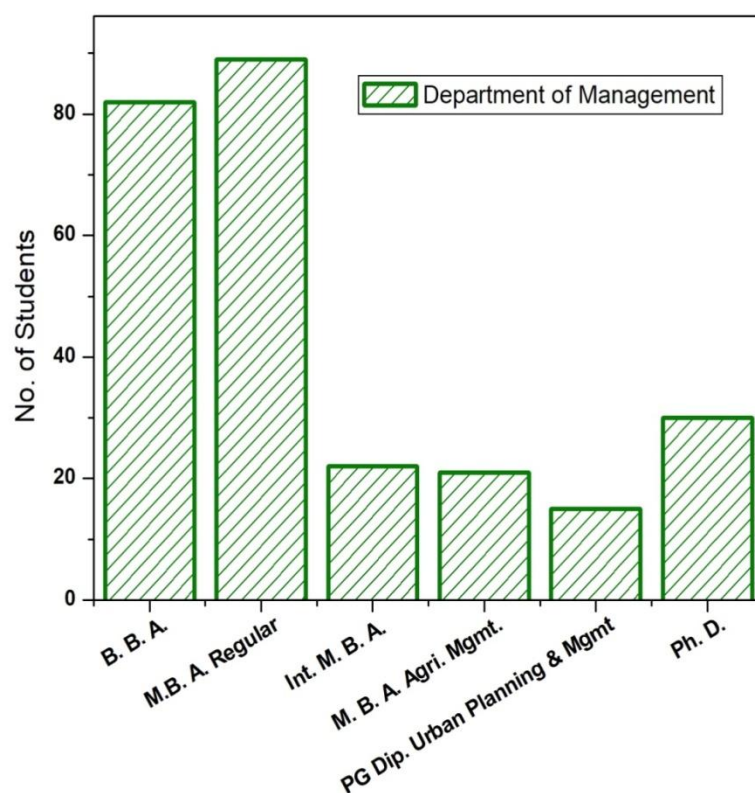
10. Swami Prakash Srivastava, Role of FDI in Economic Development of India- Issues, Opportunities and Challenges, In Trade and Balance of Payments-Global Challenges and instability, Editor: Poonam Kumari, Shandilya Publication –New Delhi-110041, 2017, pp. 81-102, ISBN no-978-81-934725-0-0
11. Sangeeta Kumar, An analysis of environmental awareness and Practices in SMEs at Agra district, International Journal of English Language, Literature in Humanities, V(IX), 2017. ISSN: 2321-7065,
12. Sangeeta Kumar, Ideas of Swami Vivekananda in Context of Indian Economy, International Journal of Electronic, Electrical and Computational System, 6(9), 498-502, 2017, ISSN: 2348-117X.
13. Sangeeta Kumar, Mr. Narendra Modi and the Indian Economy: Status and Challenges, International Journal of Engineering Technology Science and Research, 4(8), 1258-1264, 2017. ISSN: 2394 – 3386
14. Jyoti Gogia and Neha Sikarwar, Food-Consciousness-Food Security: Connecting the Dots, Indian Journal of Economics and Development, 5(5), 1-7, 2017, ISBN2320-9828.
15. Resham Chopra, Perception of Tax Payers towards GST: A fiscal and Social Psychology model Approach, Indian Accounting Review, 2017, ISBN 0972-1754.
16. Swami Prakash Srivastava, Demonetization in India and its Future Impact on Indian Economy, International Journal (SAJOSPS), 17(1), 12-20, 2017. ISSN 0972-4613.
17. Swami Prakash Srivastava, Problems and Prospects of GST in India, Proceedings of 100<sup>th</sup> Annual Conference of Indian Economic Association organized by Acharya Nagarjuna University-Guntur, Andhra Pradesh, 27<sup>th</sup> -30<sup>th</sup> December , 2017, pp-31-33.
18. Swami Prakash Srivastava, Impact of Socio-Economic Factors on Farmer's Suicides in India Proceedings of National Conference on Emerging Socio Economic inequalities in India organized by Dept. of Economics, BBAU-ASEDS(Association of the Socio-Economic Development Studies) –Lucknow Dec 4-5, 2017, pp- 329-345.
19. Swami Prakash Srivastava, Goods and Service Tax – Prospects, Opportunities and Challenges, Proceedings of 21<sup>st</sup> Annual conference of Indian Political and Economy Association, organized by Dept. of Humanities and Social Sciences and Dept. of Management Studies, Indian Institute of Technology –New Delhi-110016 , Dec 8-9, 2017, pp- 82-83/
20. Jyoti Gogia and Resham Chopra, Conscious Evolution of Superhuman in Transcendental Environment: A Systems Approach, e-Proceedings of IEEE sponsored 41<sup>st</sup> National Systems Conference, 233-236, 2017.
21. Sangeeta Kumar, Mr. Narendra Modi and Indian Economy: Status and Challenges, Proceedings of 7<sup>th</sup> International Conference on Research in Engineering, Applied Science and Management (ICRTESM-2017) at Mahratta Chamber of Commerce Industries and Agriculture, Pune, Maharashtra, 27<sup>th</sup> August 2017.
22. Sangeeta Kumar, GST in India: its impact and challenges, National Conference on financial reforms in India: Issues and Challenges (FRIIC-2018), organized by Dayalbagh Educational Institute (Deemed University) Agra, 13-14 January, 2018.
23. Sangeeta Kumar, Ideas of Swami Vivekananda in Context of Indian Economy, Proceedings of 7th International Conference on Research Trends in Engineering, Applied Science and

Management (ICRTSM-2017) at Mahratta Chamber of Commerce Industries & Agriculture, Pune, Maharashtra (India), on 27 August 2017, ISBN: 978-81-934288-2-5

## Department of Management

The department was established in 1991 offering a PG course in Business Management in response to the country's needs for trained managerial manpower. In 2006, the department of Management was established as an independent department. Department of Management is headed by Prof. Sanjeev Swami. Additionally there are 7 Professors, 3 Associate Professor and 7 Assistant Professors. The department offers undergraduate (BBM), post graduate (MBA in Business Management), M.Phil and Ph.D. The department offers several Work Experience Courses like Introduction to Computers & Operating Systems, Office Management Software, Computer Programming, Database Management Systems, The Internet & E-commerce, Management Information System, Industry Analysis Project and Work Term Project. This year the department introduced a new Post Graduate Diploma in Urban Planning and Management. Department of Management is headed by Prof. Sanjeev Swami. Additionally there are 7 Professors, 3 Associate Professor and 7 Assistant Professors. The department has firm collaborations with IIM Bangalore, IIT Kanpur, Indian Railways, Tata Consultancy Services, IIM Calcutta, IIT Delhi, The Energy and Resources Institute, School of Planning & Architecture, IIM Udaipur, Malaysia Institute for Supply Chain Innovation and has MoU with Supply Chain Management Centre, IIM Bangalore (2009 onwards) and School of Planning and Architecture (2017). The department also runs Business Advisory Clinics.

The number of students registered in the various programmes in the session 2017-2018 is as follows:



## Achievements

Prof. Sanjay Bhushan ranked among 10% of International Authors by Elsevier – SSRN, USA (Consecutively in 2016, 2017 & 2018).

Prof. Sanjay Bhushan reviewed manuscripts for International Journal of Agricultural Resources, Governance and Ecology (IJARGE), Inder Science and Issues in Business Management & Economics (ISSN 2350 – 157). Dr. Sumita Srivastava reviewed manuscripts for Journal of Leisure Research, Taylor and Francis Online and Journal of Small Business Management, Wiley Online Library.

Bharti Kumari (Ph.D.), Hans Kaushik (Ph.D.) and Shivani Sharma (Ph.D.) qualified NET. Tanya Varshney (Ph.D.) qualified JRF/NET.

### Participation in Workshops and Conferences

Prof. Sanjeev Swami participated in a workshop B.Voc. LSC MOU Signing Ceremony, Chennai.

Prof. Sanjay Bhushan delivered a lecture ICHVHE – 2017, IIT Kanpur and introduced the session of NSC – 2017 (IEEE Sponsored) and PARITANTRA – 2018 (Students Conference organised by SSI).

### Projects Sanctioned

The following projects were sanctioned during the session 2017-2018.

Dr. Jaspreet Kaur was sanctioned a project entitled, A Study for Value Addition in Potato Produce by Exploring Processing Units: Case of Agra Region worth Rs. 6.5 Lakhs by ISSR for 2018- 2020.

Dr. Sunita Malhotra (PI) and Dr. Preet Kumari (Co-PI) were sanctioned a project entitled, Analysis of accomplishment of universal elementary education: With special reference to Uttar Pradesh worth Rs. 5.5 Lakhs by ISSR, for the period 2018- 2020.

Dr. Sumita Srivastava was sanctioned a project entitled, Designing Educational and Training Interventions for preparing Undergraduates to Pursue Entrepreneurship as a Career Choice: A Roadmap for universities and institutions of Higher Education worth Rs. 6 Lakhs for the period 2015-2018.

### Publications

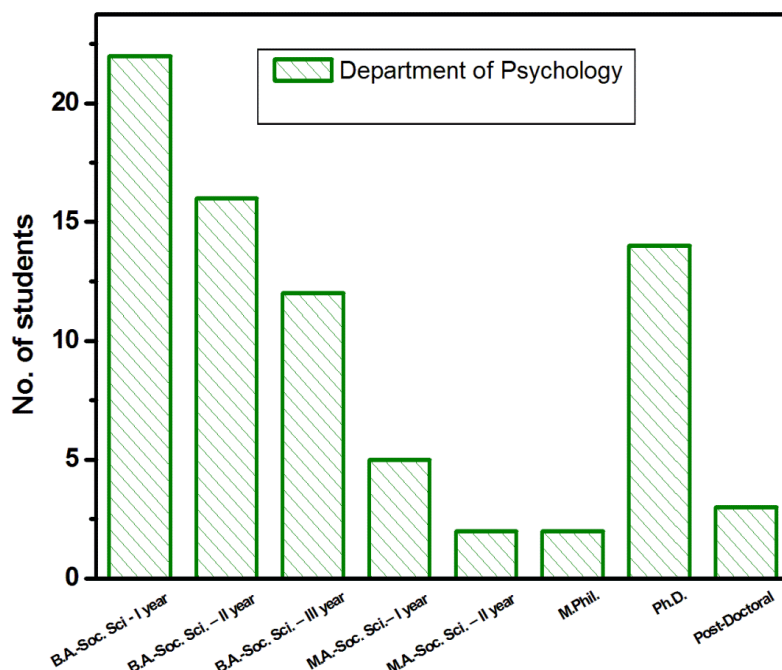
1. Kaur, J., Chopra, R., Nathani, N., Perception of Tax Payers towards GST: A Fiscal and Social Psychology Model Approach. Indian Accounting Review, 21(1), 62-79, 2017.
2. Nathani, N., Kaur, J., Khator, D., Artificial Neural Network: Validity of Technical Analysis for predicting stock prices. GITAM Journal of Management, 15(2), 52-67, 2017.

### Department of Psychology

The department of Psychology has a humble beginning as an Undergraduate department of the erstwhile Women's Training College in the year 1951 which was upgraded to Postgraduate level in 1969 and acquired the status of a University department in 1981. The department focuses on building a sound foundation for the understanding of the human behaviour in development perspectives of different walks of life. The department offers B.A. (Hons.) Psychology, M.A. Psychology, M.Phil and Ph.D. In the session 2017-2018, the department introduced a new course; BA Social Science with Specialization in Cognitive Science. The department is headed by Prof. Kamaljeet

Sandhu and is comprised of 1 Professor, 3 Assistant Professors and 3 Emeritus Professors. The thrust areas of teaching and research are Clinical Psychology, Environmental Psychology, Cognitive Psychology and Organizational Behaviour.

The number of students registered and passed out in this department is as follows:



### Special Lectures, Workshops Organized

The Department conducted Lecture series on the theme, 'OB & HRM: INNOVATIONS, APPLICATIONS & CHANGE IN PSYCHOLOGY' on 22<sup>nd</sup> and 23<sup>rd</sup> March, 2017. Topics taken up for the lectures were Leadership, Organisation cognition, Career options and avenues for psychology students and Stress management. The Guest Speakers were Prof Anand Prakash, University of Delhi; Prof Neena Kohli, Department of Psychology, University of Allahabad; Prof Vandana Sharma, Head of the Department of Psychology, Punjabi University and Prof Shikha Dixit, Professor of Psychology, IIT Kanpur.



Prof. Anand Prakash, University of Delhi delivering his talk on Skype in the Department of Psychology, DEI



Prof. Vandana Sharma, Punjabi University, Patiala delivering her talk on Leadership skills in the Deptt. Of Psychology, DEI



Prof. Neena Kohli, University of Allahabad giving a talk on stress management in the Dept. of Psychology



Prof. Shikha Dixit, IIT, Kanpur delivering her lecture on Organisational Cognition in the Dept. of Psychology

A One day Workshop was organised on Enabling Mental Health amongst Teenagers: Role and Responsibilities of Counsellors on 2<sup>nd</sup> February, 2018. Dr. Radha Bhatia, Practicing Clinical Psychologist, New Jersey, USA was the Guest Speaker.



One day Workshop was organised on Mental Health and Career Counselling. Dr. Naveen Gupta and Dr. Satyadhar Diwedi were the Guests Speakers.

Prof. Kamaljeet Sandhu, Dr. Preet Kumari, Dr. Kavita Kumar participated in Three-day workshop on Professional Development Programme for In-service Primary School Teachers organized by Faculty of Education, DEI during June 28-30, 2018.

The Department organized a Practical Training in Diagnosis, Therapeutics and Clinical Psychology at Institute of Mental Health and Hospital (IMH&H) for the Ph.D. scholars, students of M. Phil., M.A. (S.Sc.) and B.A. (S.Sc.) Honours from 1<sup>st</sup> June to 30<sup>th</sup> June, 2018.



### Achievements

Dr. Archana Satsangi honoured by Best Researcher Award in International Journal Research under literal Access – IJRULA Accredited with Idamas Learning Centre (Malaysia), 2018.

Priya Gupta and Surat Priya Sethi (Research Scholars) were awarded ICSSR Doctoral Fellowship 2018. Aysha Begum (Ph.D.), Priya Gupta (Ph.D.), Surat Priya Sethi (Ph.D.) and Shaktiyanshi Raundeley (Ph.D.) qualified NET.

### Presentation in Conference

Kamaljeet Sandhu and Rashmi, Emotional Intelligence and Motivation as Determiners of Administrative Behaviour in Educational Institutes at 2<sup>nd</sup> Global Leadership Research conference, 2017 Amity Business School Amity University NOIDA

### Publications

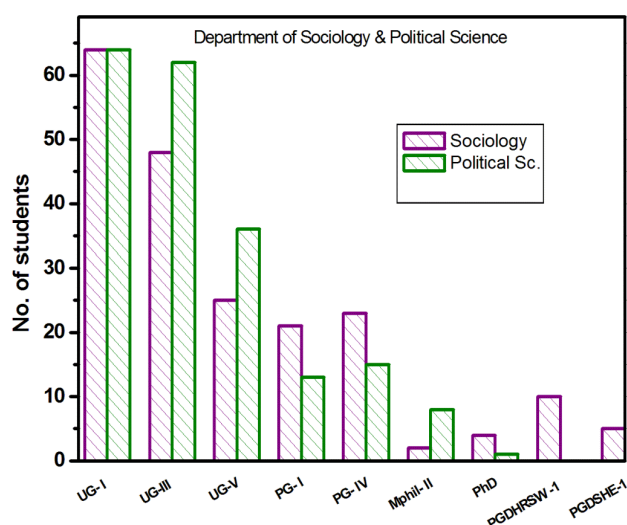
1. Kumari, S., Dutt, S. and Kumari, P., To study the contribution of Egotism and Anger in determination of Spiritual Intelligence. Asian Resonance, 7(2), 42-45, 2018.
2. Raundeley, S. and Kumari, P., Parental inducement of self-regulation, procrastination & academic achievement among secondary school students. International Journal of Creative Research Thoughts, 6(1), 844-847, 2018.
3. Raundeley, S. and Kumari, P., Well-Being and Locus of control among undergraduate students. Asian Resonance, 7(2), 73-76, 2018.

4. Raundelely, S. and Kumari, P., Comparative study of health related quality of life in working and non-working pregnant women. Journal of Contemporary Educational Research and Innovations, 8(2), 175-178, 2018.
5. Kumar, K., Pawar, K.S., and Khandelwal, P. Anger in Students involved in Community Service with special reference to Agriculture Field Work. JETIR International Journal, 5 (9), 83-89, , 2018,ISSN: 2349-5162
6. Kumar, K. and Gupta, P., Impact of Age and Decision Making on False Memory. The Journal of Psychosocial Research, 12(2), 381-389, 2017.
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## Department of Sociology & Political Science

The Department is headed by Prof. Poornima Jain and consists of 2 Professors, 2 Associate Professors, 12 assistant Professors and 6 Guest Faculty. The department offers the B.A. Social Science (Hons.), M.A. Social Science, M. Phil., Ph.D., PG Diploma in Safety, Health, and Environment and PG Diploma in Human Rights and Social Work with Work Experience Courses on Uplift of Weaker Section, Local Self Government and Local Self Government: Empirical Study. The research areas of the department are Dalit Studies, Gender Studies, Development Studies, Local Self Government, International Relations, Consciousness Studies and Human Rights.

The number of students in the various programmes of the department are in the session 2017-2018 are shown in figure.



## Achievements

Baby Kumari (Ph.D.), Durga (Ph.D.) and Sanjana (Ph.D.) qualified NET during this year.

## Presentations in Conferences and Workshops

1. Deepti Priya Mehrotra, Documenting Movements: Methodologies, Stories and Histories, Confluence of South Asian Women's Action, SAWF, Kathmandu (International Conference), July 2017.
2. Deepti Priya Mehrotra, Women's Movements in India: Extraordinary Struggles, Counsellors Training: Tata Institute of Social Sciences, NCW and Delhi Police, October 2017
3. Deepti Priya Mehrotra, Education for the Future: Learning Together, Renaissance in India, in Sri Aurobindo Society, New Delhi, December 2017
4. Deepti Priya Mehrotra, The Future of Humanity: Visions of Aurobindo, Gandhi and Soamiji Maharaj, Dayalbagh Educational Institute, Colloquium on Consciousness Studies, February 2018
5. Deepti Priya Mehrotra, Philosophical Perspectives in Education, Teacher Training, 'I Am A Teacher', PG Diploma course, Heritage Schools, Gurgaon, June 2018.
6. Birpal Singh Thenuan, GST का कराधान के प्रति भारतीय महिलाओं में रुचि in National Conference on Problems and Prospects of Accounting, Auditing & Taxation in Digital World organized by Department of Accounting & Law, Faculty of Commerce, DEI and Indian Accounting Association (Agra Branch) on 12 March, 2018.
7. Prof. Poornima Jain was invited as a Chief Guest by the Zonal Office of LIC, India, on 1st September to inaugurate the Founder's Day of LIC also invited to attend the 141st Zonal Advisory Committee's meeting on 15th December, 2017 at hotel Picaddili, Lucknow as member, Zonal Advisory Board, LIC of India.
8. Prof. Poornima Jain was invited as the Chief Guest in the National Conference on Recent Advances in Teaching Methodology & Education Development" from May 7-9 2018, by the Jyoti Vidyapeeth Women's University, Jaipur.

## Publications

1. Deepti Priya Mehrotra, The Last Child First (addressing Violence against Women and Child Sexual Abuse), OpEd, Indian Express, 7 May 2018.
2. Poornima Jain, Gender Justice, Studium Publications Ltd., New Delhi, 2018.
3. Poornima Jain, नक्सल वादी आन्दोलन एक समाजिक-आर्थिक समस्या, समाज विज्ञान शोध पत्रिका , 2 (XXXX), 2018, ISSN 0973-7626.
4. Deepti Priya Mehrotra, Women's Movements and Feminism in India (Chapter) in Poornima Jain, ed, Gender Issues, Stadium Publishers, New Delhi, October 2017.
5. Poornima Jain, Transgender and Social Justice in the era of Globalisation In Globalisation, Social justice and Sustainable Development in India, Editors: Manish K. Verma, Gyan Publication, New Delhi, 2017.
6. Vinod Khobragade, Capabilities and Constraints: India as a Great Power, South Asian Journal of Socio-Political Studies, 17(2), 87-92, 2017,
7. Birpal Singh Thenuan, राजस्थान राज्य के भरतपुर जिले की अनुसूचित जातियों में मद्यपान की समस्या की ऐतिहासिक पृष्ठभूमि का समाजशास्त्रीय अध्ययन, Innovation: The Research Concept, III (I), 106 -109, 2018, ISSN (P): 2456-5474.
8. Birpal Singh Thenuan, ब्रजक्षेत्र में आप्रवासियों के परवर्तित सामाजिक, व्यावहारिक, धार्मिक एवं सांस्कृतिक प्रतिमानों का एक समाजशास्त्रीय अध्ययन, श्रृंखला एक शोधपरक वैचारिक पत्रिका, 5(7), 80-83, 2018. ISSN No.: 2321-290X. E: ISSN No. 2349-980X.

9. Birpal Singh Thenuan, प्राचीन भारत में ग्राम पंचायतों की ऐतिहासिक पृष्ठभूमि का एक समाजशास्त्रीय अध्ययन, Innovation: The Research Concept, 3(2), 96 -100, 2018, ISSN (P): 2456-5474.
10. Birpal Singh Thenuan, राजस्थान राज्य के भरतपुर जिले की विशेष संधर्वा में मद्यपान के कारण एवं दुष्परिणाम: एक समाजशास्त्रीय अध्ययन, श्रृंखला एक शोधपरक वैचारिक पत्रिका, 5(8), 77-81, 2018. P: ISSN NO.: 2321-290X. E: ISSN No. 2349-980X.





# Schools and Colleges

## REI Intermediate College

Radhasoami Educational Institute (REI), initially a co-educational middle school was established on January 1, 1917, with classes VI-VIII and student strength of 169, which marked the genesis of education in Dayalbagh. It was recognized as High School in the year 1917 and upgraded to Intermediate College with science subjects on July 3, 1922. The administrative and financial control of the College has been handed over recently to the DEI (Deemed University) by U.P. Government vide its order dated 11/10/2012. It is recognized by the Madhyamik Siksha Parishad, U.P. and is on the grants-in-aid list of the Government. Presently Dr. A.K. Dwivedi is the Principal and has 23 staff members out of which 7 are Lecturers and 7 Assistant Teachers. The College offers both Science with Mathematics/Biology or both and Commerce at the Intermediate level. The figure below shows the enrolments of students in the various classes during the session 2017-2018.



## Student Activities and Achievements

- 75 students took part in SOF Cyber Olympiad held on 12/10/2017, and won four Gold, four Silver and three Bronze Medals.
- An Essay competition was organized by Petroleum and Natural Gas Ministry, Govt. of India on 18/10/2017 in which 70 students participated and secured the second, fourth and tenth positions.
- On 03/11/2017, 144 students took part in Hindustan Olympiad and four of them got positions- first, fifth, seventh and eleventh.
- 164 students participated in the SOF Science Olympiad held on 05/11/2017, and 102 students participated in the SOF Mathematics Olympiad held on 10/12/2017. Mr. Arya Bhasin student of class X qualified for Level-2 in the Science Olympiad.
- The students also participated in the English Drama Festival organized by DEI, 6 students received Certificates of Appreciation for their performance.
- 50 students participated in the Drawing and Painting Competition, organized by DEI.
- On the auspicious occasion of completion of 100 years of the establishment of REI College a Logo Making Competition was organized in which 17 students participated. The logo designed by Mr. Avnish Diwakar was adjudged to be the best for which he was given the first prize.
- A Science Exhibition in which 120 models were presented by the students of the college. Students from Class VI to XII participated enthusiastically and displayed several working and nonworking models.
- A Drawing and Painting Competition was organized on 20/08/2017 in which Anhad Satsangi bagged the first prize and Swapnil Rajput second.
- Kaumi Ekta Programme was organized in which DG BSF addressed the students.



- 120 students of REI participated in the World Yoga Day celebrated on 21/06/2017 in the DEI Campus and received Certificates of Participation.
- Tree Plantation Programme was organized in the month of March 2018 in which 200 plants of different varieties were planted.
- 25 students of the college participated in the Seminar on 'Make Young India Patrons of Indian Culture' organized in Pitambra Degree College, Agra with the aim to promote and preserve Indian Culture. The seminar was sponsored by Ministry of Culture, Govt. of India.
- 17 students of REI qualified B.Tech. Entrance Exam 2017-18 conducted by DEI and got admission in different branches of B.Tech 24 students qualified 'Diploma in Engg.' Exam 2017-18, while few students were selected for admission to other Institutions like ICT-IOC, Bhubaneswar (affiliated to Institute of Chemical Technology, Mumbai), GLA University, Mathura, Birla College, Kalyan, Mumbai to pursue higher education.

### Road Safety Sessions

Eicher organized Road Safety Session in REI on 3<sup>rd</sup> August, 2017 in which students of class – VI-VIII participated with full enthusiasm.

### English Essay Writing Competition by Sh. Ram Chandra Mission

Sh. Ram Chandra Mission organized English Essay writing Competition titled 'There is wisdom of the head and wisdom of heart', 20 students of class IX to XII participated and won several prizes.

### Establishment of Atal Tinkering Lab

Realizing the need to create scientific temper and cultivate the spirit of curiosity and innovations among young minds, the Government of India has framed the Atal Innovation Mission (AIM) under the NITI AYOOG. AIM proposes to support establishment of a network of Atal Tinkering Labs (ATL). ATL is a workspace where young minds can give shape to their ideas through hands on do-it yourself mode and learn innovative skills. The vision is to cultivate 1 million children in India as NEOTERIC INNOVATORS. REI has been granted a sanction of Rs. 20 lakh to establish Atal Tinkering Labs which is now in full bloom in REI.

### NCC Activities, 2017-18

REI has a JD troop consisting of 104 cadets and a company of SD consisting of 55 cadets. The cadets are always ready to perform various activities bestowed to them by their concerned battalion/college/university. The following activities took place during the year 2017-18.

1. CATC camp- 40 cadets were detailed for this camp which was held on 10/06/2017 to 20/06/2017. The Cadets participated in -
  - (i) Drill Competition
  - (ii) Firing
  - (iii) Flag Area Competition
  - (iv) Solo/Group Song
  - (v) Solo/Group Dance
2. Swachchhta Pakhwara



The cadets made the people aware of cleanliness and how to keep our surroundings clean. They also told the people how and where to dispose garbage.

3. Global Diabetes Day-14/11/2017

The cadets organized a rally with banners and posters in their hands and told the people to be aware of this disease and keep them healthy.



4. World AIDS Day- 01/12/2017

The cadets organized a rally to make the people aware of this disease and measures to prevent it.



5. World Human Rights Day was celebrated on -10/12/2017. A rally was organized to make the people aware of their rights.

6. Other activities like Blood Donation, Traffic Control and Disaster Management were also organized.

7. On Surgical Strike Day -29/09/2017, a team from battalion visited the college and addressed the cadets about some important aspects of this strike.

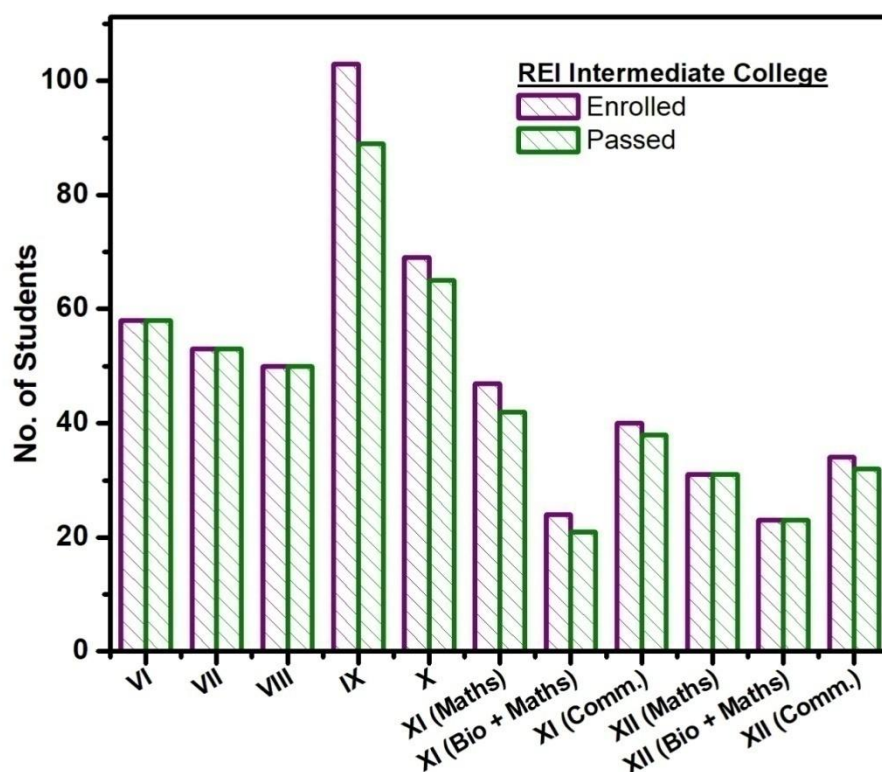
## Sports and Games

The following sports and games activities were organized during the session



- July 2017- All the three groups namely Sub-Junior, Junior and Senior took part in cycle race, slow cycle race and cross country race and won prizes.
- August 2017- A tournament was organized for all the three groups for volley ball competition.
- September 2017- All the three groups participated in kabaddi competition.
- October 2017- Volley ball Competitions were organized for all the three groups.
- November 2017- Football Competitions
- December 2017- Cricket Competitions
- January 2018- Many field Competitions were organized.
- February 2018 – Short and long races, jumps and throws were organized. 400m, 100m, 200m, 600m, 1200m, 1500m and 100×4 m race were organized.

The numbers of students enrolled and passed from different classes in the session 2017-18 are shown below



## Farewell

Dr. R.B. Dixit (Principal) and Dr. R.C. Shakya (Lecturer- Hindi) retired on 31<sup>st</sup> March 2018.

## DEI Prem Vidyalaya Girls Intermediate College

The Prem Vidyalaya Girls Intermediate College was founded in 1930 as a Middle School to exonerate the curse of illiteracy and to set an ideal of female education in the country. High School and Intermediate classes were subsequently started in 1936 and in 1939, respectively. Administrative and academic control of the College was assigned to the University by the State Government of Uttar Pradesh in the year 1995. The College has imbibed distinctive DEI education pattern. Dr. Mala Bal is the present principal of the College. In the beginning of this session the middle section i-e Classes VI, VII, VIII were shifted to the present Dormitory building with the addition of new sections for classes VI, IX (Arts) and IX (Science). Three new sections were added this year.

### Student Activities and Achievements

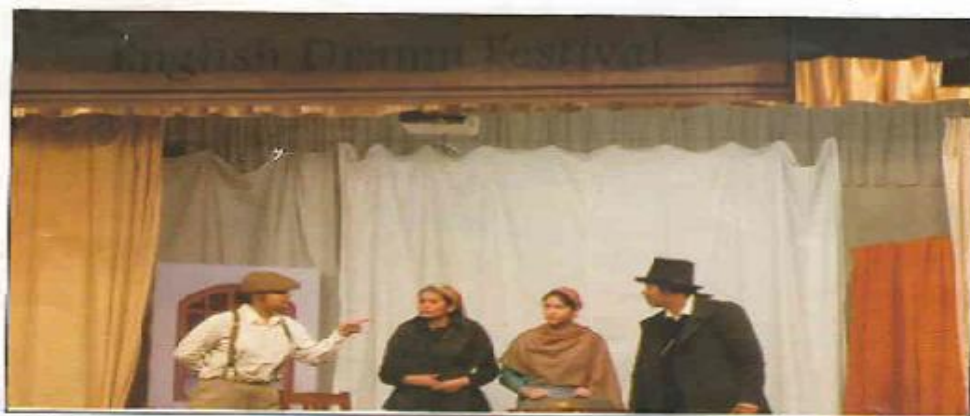
- Mahima Satsangi of Class X B and Tarang Singh also of Class X B got 3<sup>rd</sup> position in Hindi Essay and Drishti Goyal of Class XIC bagged 1<sup>st</sup> position and Ashna Taneja of Class XB 2<sup>nd</sup> position in English Essay writing competition organized by SPHEEHA. The PV students also won the third position in the Skit competition (on-the-spot) organized by SPHEEHA. Tanishka Tiwari of Class XIIA got 3<sup>rd</sup> position, Deepshika and Deepshikha Satsangi of Class XIIC received consolation prizes in an “Art Competition” organized by SPHEEHA.
- During the English and Hindi Drama festival, PV students won accolades for their performances. The winners and prizes were as follows:-
  - In English Play “LITHUANIA”
    - (a) Best Actors Drishti Goyal XIC
    - (b) Best Audio- Visual
    - (c) Best Script
  - In Hindi Play - Gandhari ki Vyatha
    - (a) Best Actor - Aprajita Jha XIIA
    - (b) Best Audio- Visual
    - (c) Best Script
- Science Exhibition was organized on 12 & 13 January 2018 in which students of classes 6-12 participated and exhibited exemplary 110 Working and Non-working models
- A workshop on Conservation of Energy was organized in which the chief guest Mr. Munjal, GM Electricity & Water Dept. Dayalbagh, gave the participants a lot of practical knowledge on conservation of energy.
- Co-curricular and Sports Competitions were held during the session. In sports Senior Champion was Lakshmi of Class XIIB and Junior Champion was Malini Mehta of Class VIII.
- PV won the Inter faculty parade competition on Independence Day and Republic Day.
- English, Maths, Commerce and Science Olympiads were held during the last three months. Students participated in a huge number. Three students Satviki Saran CP(Class VI), Disha Gautam (Class VII) and V Megha Saran (Class VIII) qualified in Maths for the Second level and two students Disha Gautam (Class VII) and Guru Prasanna Satsangi (Class VIII) qualified in English for the second level.
- In a regional level competition organized by Uttar Pradesh Sangeet Natak Academy in Lucknow on 11th March, 2018 Guru Prasanna of Class 8th received the 1st prize in Classical vocal music, Junior category and Ashna Suri of class 8th came 3rd in the same category.



- Drishti Goyal and T. Mahima from PV have scored the highest marks in 10 and 12 class Examinations of the Institute respectively. They were awarded Director's Medal in the Convocation of DEI.
- The Annual day was organized on ..... Prize distribution was organized to felicitate the students who performed well in Academics, Co-curricular activities and Sports.

## NCC ACTIVITIES

- During this session 55 students of P.V. were registered as NCC cadets. NCC Comanding officer Jaswant Singh addressed the NCC cadets and introduced them to the importance of NCC in their lives. N.C.C. Cadets of the school recited the Saraswati Vandana at the Inauguration of Taj Mohatsav in Agra. The students put up a play called " Nayi Soch" to commemorate the NCC Founders Day and NCC cadets planted 100 saplings during the tree plantation drive organized by SPHEEHA.



अंग्रेजी नाटक 'लियुआनिया' की प्रस्तुति देती हुई प्रेम विद्यालय की छात्राएँ



वयालबाग जेली में वरहनी का अवलोकन करती वार एस एस संघ प्रमुख मोहन यादव जी साथ में डी.ई.आई. निदेशक प्रो. पी. के. कश्यप जी



दो सौवें वर्ष गाठ के उपलक्ष्य में होली के अवसर पर स्टॉल लगाते हुए प्रेम विद्यालय का स्टाफ



विद्यालय के वार्षिक समारोह के अवसर पर डी.ई.आई. के कुल सचिव श्री आनन्द मोहन जी से पुरस्कार प्राप्त करती हुई प्रेम विद्यालय की छात्राएँ



हिन्दी नाटक 'गांधारी' की व्याख्या की प्रस्तुति देती हुई प्रेम विद्यालय की छात्राएँ



टेक्निकल कॉलेज परिसर में 'नई सोच' नाटक का मंचन करती हुई प्रेम विद्यालय की छात्राएँ



सी.सी.ए. के अन्तर्गत समूह गान प्रतियोगिता में प्रेम विद्यालय के जूनियर वर्ग की विजेता टीम

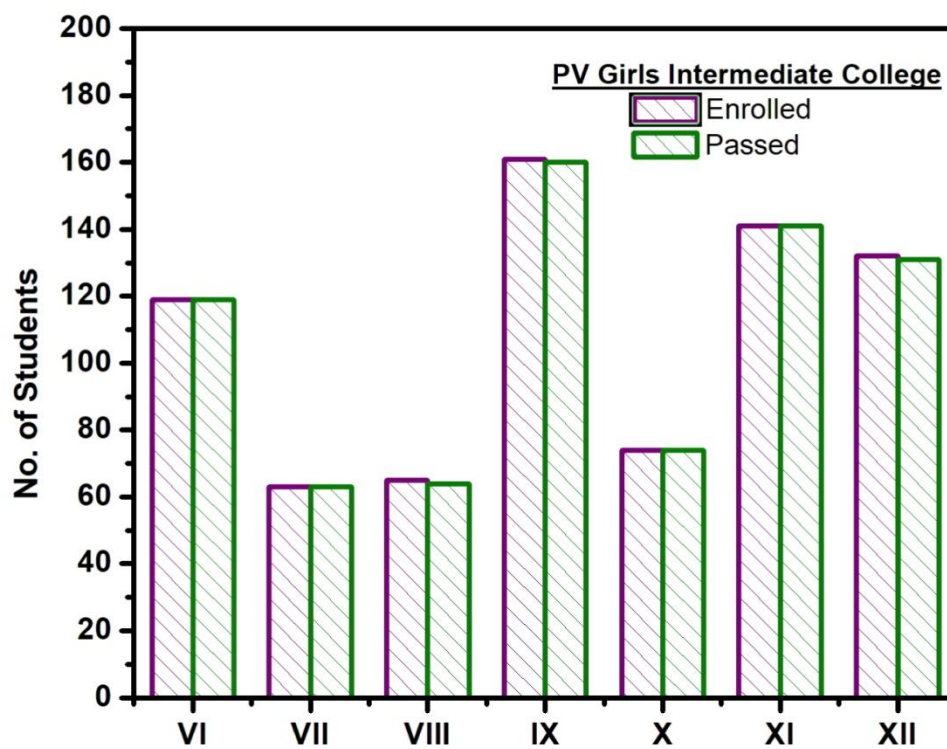
प्रिन्सिपल पब्लिक स्कूल में 'स्पीड' द्वारा आयोजित कला प्रतियोगिता में सामूहिक नृत्य करती हुई प्रेम विद्यालय की छात्राएँ



स्वतंत्रता दिवस के अवसर पर परेड प्रतियोगिता में सत्कृत प्रदर्शन के लिए शील्ड प्राप्त करती हुई प्रेम विद्यालय की छात्राएँ



The numbers of students enrolled and passed from different classes in the session 2017-18 are shown below



## Technical College

The Technical College was started in 1927 as a Technical School to imparting training in automobile, electrical and mechanical engineering, leading to the award of diploma in the concerned branch of the Board of Technical Education, U.P. The Leather Working School was established in 1930, gives instructions in both theory and practice for manufacture of leather goods. The Technical College comprises of Department of Applied Science and Humanities, Department of Mechanical, Electrical and Automobile Engineering. The Department of Applied Science and Humanities offers the students a sound knowledge of Physics, Chemistry, Mathematics, English and Environmental Science. Department is composed of five Lecturers and one honorary lecturer. The Department of Mechanical Engineering is one of the founding departments of the DEI Technical College and has played a leading role in evolving a curriculum based on the industrial needs and served as a role model for many similar institutes in the country. The department has state of the art Thermal Engineering Laboratory and Material Sciences Laboratory with the help of AICTE. The department has completed two MODROB's projects and a new MODROB's Project has been recently sanctioned for modernization of Applied Mechanics Laboratory and Mechanical Work Shop. An elective course on Mechatronics was also introduced recently in accordance to the industrial demands. The department also runs various Certificate Vocational Programmes namely Welder, Turner and Fitter to cater the demand of industrial skilled manpower, these courses are also offered in distance education mode at the different study centers all over the country. The Department has also introduced 10 week Modular Programmes in Painting and Welding. The department has strength of 1 Senior Lecturer (Head), 1 Workshop Superintendent, 4 Lecturers, 8 Assistant Lecturers and 7 Instructors who are specialized in the field of Thermal Engineering & Thermodynamics, Industrial Engineering and Management, Systems Engineering, Friction Stir Welding, Non Conventional Energy, Fluid Dynamics, Operation Research, Production Systems, Computer Integrated Manufacturing, Mechatronics etc. Members of the Department have published several technical papers in National and International Journals of repute and participate in National and International Conferences, Symposium, Workshops and QIP.

The Department of Automobile Engineering is the only one in Uttar Pradesh offering Diploma in Automobile Engineering. It offers the following programmes:

1. Three-year Diploma Engineering in Automobile
2. Three-year Diploma Vocational in Automobile: Specialization – Engine Testing. (Level 3-5 of NVEQF)
3. One-year Certificate in Motor Vehicle Mechanic (Four-wheeler)
4. One-year Certificate in Motor Vehicle Mechanic (Two-wheeler)
5. Vocational Certificate in Automobile (Level 1-2 of NVEQF)

The Department is a pioneer in DEI in starting Certificate level vocational training programmes for school dropouts and other economically weaker sections of society, especially in the remote locations of the country, including tribal areas, which has served to provide gainful employment to marginalized sections of society. The first such Certificate level programme in Motor Vehicle Mechanic (Four-wheeler) was started on 2 June, 2004 at Melathiruvankatanathapuram near Tirunelveli in Tamil Nadu. Today the number of DEI study centres offering the Motor Vehicle Mechanic (Four-wheeler) programme has increased to 23, including one overseas in Colombo, Sri Lanka. Vocational education is imparted in these centres in blended mode, which combines the best of both classroom teaching and distance education.

The department has well equipped lab and workshop to cater to the practical training of students. Major equipment available in the department includes Computerized Engine Analyzer, Four Gas Analyzer, Diesel Smoke Meter, NOx Analyzer, Wheel Aligner, Wheel Balancer, Headlight Aligner, Suzuki Diagnostic Tool (SDT) among others. The department has several vintage cars in its collection.

These include a 1934 model Studebaker, one 1936 Buick, one 1936 Chevrolet, among others. There is also one trainer aircraft of WW-II vintage with all its controls operative. The department regularly organizes regular workshops and one-day training programmes for the benefit of the students. The department has signed memoranda of understanding with leading automobile companies and workshops such as Maruti Suzuki India Ltd, Gurgaon, India Yamaha Motor Pvt. Ltd, Surajpur, TVS Motor Company Ltd, Hosur, M/s Dayal Motors, Agra who are a Bosch Car Service Workshop of Level 2 category.

The Automobile Service Repair & Training Centre (ASR&TC) is attached to the automobile department. It offers consultancy services and service & repair facilities to the general public at reasonable rates. This gives an opportunity to the students to get hands-on experience of running repairs and overhaul of aggregates. Industrial visits, organized for Final year students, further give them exposure to the working environment in industry.

The Diploma in Architecture Assistantship, established in the year 2012, under the DEI Technical College (Women's Wing) is an AICTE approved three year Diploma course dealing with the construction and designing of buildings. Currently 60 students are enrolled in the first and second year, and are taught by dedicated teachers satisfying AICTE norms.

Electrical, Mechanical, Automobile

The Electrical Workshop provides hands on experience in domestic and industrial wiring and testing. Experiments like earth resistance measurement, testing of insulation material and oil, rewinding of rotors and stators etc. are carried out in the workshop. The Department provides an in-house industrial environment through Programmable Logic Controllers and VVVF drives which are used to implement control of various types of AC/DC motors, and through the utilisation of panel controlled synchronisation of single and three phase alternators etc.

The Electronics section caters to the needs of the electronics industry and trains students in design, manufacture and repair of electronic equipment. Students are exposed to analog and digital circuits, networking and service and testing of electronic equipment. Students also learn about TV, microwave and radar engineering; communications; power electronics, microcontrollers; Programmable Logic Controllers and computer simulation.

### Course Details

The courses deal with our relationship to space, form and the environment in a broad sense. Emphasis is on human factors, scale, materials and structures. The courses address professional design problems of a modern scope, which progresses from abstract concepts to analysis through to problem-solving. In the first year the course covers various areas of study including Applied Physics, Applied Mathematics, Construction, Graphics, Designing, etc

In the second and third years of study courses including Design, Studio Work, Model making, Computer Graphics, Construction Working Drawing among several other focused courses. Students are also required to undertake field/site work to enrich and broaden their scope of knowledge. In the final year students will also have to complete a project and viva-voce during the final year.

The Leather Working School, started in 1930, gives instructions in both theory and practice for manufacture of leather goods. There are competent staff member teaching Diploma classes besides some experts comes from the footwear industry to teach and conduct Labs. Library facility is available to all the students with periodicals, catalogues, magazines and teaching books. The LCD Display facilities with audio system are available in Lecture rooms and the department is having well organized labs

- Computer Aided Shoe Designing Lab.
- Material Testing and Quality Control Lab.
- Footwear Designing & Pattern cutting Lab.
- Shoe Upper Clicking Lab.
- Shoe Upper Closing Lab.
- Footwear Bottom Making Lab.
- Footwear Finishing Lab.
- Misc. Leather & Sports Goods Lab.

Besides this there are many common labs where student are imparted technical and educational activities such as:-

- Computer Lab.
- Electrical Lab.
- Electronics Lab.
- Mechanical Lab.
- Automobile Lab.
- Carpentry Lab.
- Black smithy Lab.
- Welding Lab.

### Garment Technology

In order to provide vocational training to students who are academically low performers and to generate skills various sewing related courses are available at the campus. A sewing related course is introduced at school level for the 9<sup>th</sup> class students. This course content would generate embroidery skills in the candidates. The embroidery skill can not only become a source of income these days but also is an upcoming mode of self employment. Efficient and appropriate use of the skill can generate value addition on fabrics and garments.

This course is followed up by basic sewing and advanced sewing related courses in line with the NVEQF curriculum for X, XI and XII class students. These sewing courses would not only generate stitching skills amongst the candidates but also equip them with designing skills. These courses at school level are meant to explore and ignite the creativity abilities of the candidates.

A certificate level course of Dress designing and tailoring of one year duration is available for Xth pass students at Women's Polytechnic since 2005. It is intended to introduce designing, sketching and stitching related capabilities in the candidate. The curriculum intends to generate creative abilities of the individual. It includes 30% theory content which would provide a sound conceptual understanding related to fabric manufacturing techniques, fabric testing and business ethics and skills. Areas like marketing fashion and dart manipulation as well as computer aided designing (CAD) have also been included in the course. The 70% practical component involves pattern making and stitching of various children's clothing, women's garments and gent's clothing.

For the VIII pass students another course on "Cutting and Sewing" is floated. It includes relatively simple concepts in the form of 20% theory component. It also consists of stitching a vast range of

garments for children. Besides these the practical section includes stitching of various ladies and a few gents clothing. In both these certificate level course 20 students are admitted.

A two year diploma course of 'Garment Technology' is available at Women's Polytechnic. It includes theory and practical components and its curriculum is distributed in four semesters. The course includes basics of sewing skills, sketching, designing garments, pattern making of various kids and adult garment and stitching techniques of these garments. Designing special occupational garments and designing garments using fashion software is also a part of this curriculum. The course also gives an exposure to computer aided designing for pattern making. It admits 30 students per batch and minimum qualification for admission is Xth pass. A compulsory industrial summer training of one month is integrated in the course to give industrial exposure to candidates. The placements of passing out batch are also taken care by the institute.

Since 2008 the certificate course of 'Dress Designing & Tailoring' (CDT) has been floated via distance education programme (DEP) of DEI at more than 30 different locations across the country. The course material for this course was prepared in Hindi and is available in written format and in form of audio – video DVD. Since then the course has been run in the blended mode at various centers every year. In the year 2011 Cutting and Sewing (CCS) certificate level course was also floated at 8-9 centers and it's course material has also been prepared and provided to all centers.

At present 35 centers are floating CDT while 22 centers are running the CCS course. Besides this a 'Dual Certificate' where in a candidate would be able to get both the certificates (CDT & CCS) within one year has been floated since 2013 at 8 different centers via the distance mode. The basic purpose of introducing sewing courses via distance mode is to impart by skills to the weaker students at there doorstep hence no age bar and a low fee structure has been followed.

Besides these 3 independent modules related to sewing are available at 3 centers. They are of 2½ month duration and are on sewing and embroidery. These modules are meant to impart basic sewing as well as children's garment stitching skills to the candidates.

### Interior Design

The diploma course of Interior Design & Decoration of the DEI Women's Polytechnic is a professionally oriented three year course which imparts specialized training in the various aspects of Interior Design and Decoration.

This course offers a deep knowledge in following subjects:

- History of Interior Design
- Human Factors & Climate
- Design Problems
- Building Materials
- Furniture Design & Upholstery
- Computer Aided Design
- Landscaping
- Estimating, Costing & Specs
- Basic Design
- Graphic Presentation
- Building Construction
- Interior Services
- Textile & Drapery
- Landscaping
- Acoustics
- Security Systems

### Modern Office Management and Secretarial Practice



The Two-year Diploma in Modern Office Management & Secretarial Practice was started in the year 2005 in DEI Technical College. 120 students enroll in Diploma level programme and the programme is open to all without any discrimination of sex, caste and creed. Ten qualified and AICTE norms satisfying teachers, working with dedication and sincerity on honorary basis, take keen interest in turning the life of a student particularly, who come from rural background.

The programme gives state-of-the-art exposure to the student to work in the office environment. The typing skills are imparted on Computer. Hindi and English shorthand make a student to work as PA / Stenographer particularly for Government job. Students are also taught Accounts using the accounting software viz., Tally etc. Students are given enough exposure to MS Office particularly MS Word, MS Excel and MS Access enabling them to work in a modern office. While developing the personality of the student, Hindi and English Communication Skills are also imparted in addition to various Office Operations. In the department, student learn to operate various modern gadgets viz., TV, DVD Player, Computer, Lap top, Multifunction Printer, OHP, LCD Projector, Video Conferencing system. The staff is involved in Distance education work for developing the course material for MOM & SP and Office Assistant and Computer Operator certificate level programme. Now the department is gearing up to offer modular programmes on IT skills, Communication Skills, Shorthand & Typing Skills, and Accounting Skills. The modular programme will enable a candidate to join a module and learn a particular skill and get a certificate for the module to get a job. Alternatively, one can complete all the modules to get a Certificate/ Diploma for the same and broaden the job prospective.

### NCC Activities

**National Cadet Corps** is an Indian military cadet corps with its Headquarters at New Delhi, India. NCC helps in developing character, comradeship, discipline, a secular outlook, the spirit of adventure and ideals of selfless service amongst the students. The students of Technical College, REI and Prem Vidyalaya are active participants of the NCC program in the Institute. The following NCC programmes were organized during the session.

### Enrolments 2017-18

Enrolment of 1<sup>st</sup> year NCC cadets for session 2017-18 was done on 27 July, 2017. After clearing the physical and written test, 71 cadets were shortlisted out of 120 to get enrolled for 1<sup>st</sup> year NCC. Group commander Brig. Sanjay Sangwan attended the enrolment process, where he was received by Ex. Maj. Pritam Singh, Lt. Manish Kumar along with Principal Technical College Dr. B.B. Rao. 2<sup>nd</sup> year NCC cadets gave the guard of honour to Brig. Sangwan under the guard commander S.U.O. Rahul Tyagi. Brig. Sangwan also inspected the NCC office and its store and appreciated the maintenance of the office along with the closing statement of "Excellent work, keep it up and God bless you all".

### Amarkantak Trek Camp 2017

40 NCC cadets of Agra Group Headquarters under the guidance of Lieutenant Manish Kumar, NCC Officer D.E.I. took part in the trekking camp in the hills of Vindhya and Satpura Ranges. This camp, full of thrilling and adventurous activities was organized at Amarkantak from 24 May 2017 to 31 May 2017. During the camp, the cadets moved on the tracks in 5 different paths. UO Indrajeet Sikarwar, UO Vishal Pachauri and SUO Rahul Tyagi were appointed as Camp Senior, Camp 2 IC and Camp Adjutant respectively. During the camp, D.E.I. cadets participated in various games and

cultural activities. Group dance presented by D.E.I. group, comprising SGT Saksham Raj Gupta, SGT Sachin Sharma, CDT Rachit Ranjan, CDT Devashish Roy and CDT Rahul Pratap were positioned first.

#### World Anti-Tobacco Day

World Anti Tobacco Day was organized by the NCC cadets on 31<sup>st</sup> May, 2017. Cadets organised an awareness rally to spread the message of the negative effects of tobacco consumption. They prepared self made slogans and posters to aware the masses. The rally was organized along with JD and SD cadets of REI Intermediate College. The rally started from the premises of REI Intermediate College and covered 5 Km leap via Jaganpur, Indrapuri, Abbulala ki Dargah, Bhagwan Talkies Crossing and New Agra.

The programme was conducted by UO Rajat Tyagi, CDT Harsh Mehta, CDT Pranjal Mittal, CDT Priyanshu Sharma, CDT Gopal Upadhyay and CDT Gaurav Singh. Chief Officer Lokendra Singh and Lieutenant A.K. Diwedi were also present.

#### Combined Annual Training Camp – CATC 04

56 cadets of DEI of 1 UP BN NCC, Agra under the leadership of NCC Officer Lieutenant Manish Kumar, participated in a 10 day camp at John Milton Public School, Agra from 14to 23June 2017. In the camp following designations were given to DEI cadets.

<b>UO Vishal Pachauri</b>	<b>Camp Senior</b>
<b>SGT Sachin Sharma</b>	Bravo Company Senior
<b>CDT AkhilRaghav</b>	R.P. Hawaldar
<b>CDT Praveen Tyagi</b>	R.P. Hawaldar
<b>CDT Priyanshu Sharma</b>	P.I. Mess Staff
<b>CDT GopalUpadhyay</b>	P.I. Mess Staff
<b>CDT GautamRakeshMukesh Kumar</b>	Electrician
<b>CDT JitendraGautam</b>	Electrician

Other main attraction of the camp was drill competition, in which DEI secured the first place. In the various other cultural events of the camp; the DEI Cadet Sushi ITyagi received first position in solo singing competition. DEI also won the first and second places in the skit competition and the group song competitions respectively. Under Officer and camp senior Vishal Pachauri was also honoured with the individual award for “Over All Best in Drill”.



### International Yoga Day

NCC Cadets of our institute participated with zeal and enthusiasm in third consecutive International Yoga Day. To make this event more memorable, this year NCC Group Head Quarter, Agra organised this event at the back of TajMahal at Baarah Siddhi near Mehtab Bagh.

### Swachh Bharat Abhiyan

NCC cadets of DEI Technical College showed their keen and motivating enthusiasm and took part in “**Swachh Bharat Abhiyan**” initiated by Honourable Prime Minister Shri Narendra Modi on July 06, 2017. NCC cadets cleaned the road between REI Inter College to Naglapadi through Nagar Panchayat and DEI Campus. Similar Swachh Bharat Campaigns were held on regular basis i.e. on July 15, 2017; August 04, 2017; August 16, 2017 and August 20, 2017 respectively. Cadets of DEI Technical College also distributed self-made dustbins made from waste materials to the roadside hawkers and also attempted to literate them about the importance of cleanliness and guided them with an idea of proper waste management.



### Tree Plantation

A tree plantation programme was organised by NGO SPHEEHA on 12 August, 2017 near Vidyut Nagar, Dayalbagh where various NCC units of DEI took part and planted a number of saplings of various medicinal plants. In this tree plantation drive, 2<sup>nd</sup> year NCC cadets showed their active participation. The occasion became further more auspicious by the presence of Most Revered Prof. P.S. Satsangi Sahab, Chairman, Advisory Committee on Education, Dayalbagh Educational Institutions and Respected Mrs. Satsangi.



38 Cadets of DEI had taken part in the 10 days Camp held at Shri Ram Adarsh Maha Vidyalaya from 4 Sept. to 13 Sept. 2017. This camp was special for all the cadets as selection for Inter Group



Competition and Best Cadet Competition had also taken place during this camp. It is worth mentioning that 11 cadets of DEI have been selected for IGC 2017. Continuing the legacy of DEI winning in Best Cadet Competition, S.U.O Rahul Tyagi (Final Year, Diploma in Mechanical Engineering) became the Best Cadet in Agra Group. U.O. Rajat Tyagi (2<sup>nd</sup> Year B.Tech. in Civil Engineering) was announced as the first Best Cadet in Agra Group and U.O. Indrajeet Sikarwar (Final Year, Diploma in Mechanical Engineering) as the second Best Cadet in Agra Group. In the camp following appointments were given to D.E.I Cadets:-

<b>U.O. Vishal Pachauri</b>	<b>Camp Senior</b>
<b>U.O. Indrajeet Sikarwar</b>	Camp 2IC
<b>CDT Priyanshu Sharma</b>	R.P. Hawaldar
<b>CDT Akhil Raghav</b>	R.P. Hawaldar
<b>CDT Raman Kumar</b>	R.P. Hawaldar

In various events like Essay Writing Competition on the Topic 'Swachh Sankalp Se Swachh Siddhi' and Quiz Competition, CDT Akhil Raghav secured 1<sup>st</sup> Position in each. In Flag Area Competition awards were given to CDT Priyanshu Sharma, CDT Ankur Varshney and CDT Akhil Raghav. Under Officer and Camp Senior Vishal Pachauri was also honoured with individual award for 'Overall Best Cadet in Drill'.



Under the Swachhta Pakhwada following activities are organized by NCC Unit of DEI:-

### 1. Swacchta Abhiyan

On 15 September Swacchta Pakhwada was carried out where cadets cleaned the Poiya Ghat riverbank. Total 90 cadets took part in this activity. Adm. Officer of 1 UP Battalion, NCC, Agra. Lt. Col. Rajesh Malival visited and briefed the cadets about "Importance of Cleanliness". He also appreciated the cadets for participating in such type of events. This activity was organized by S.U.O Rahul Tyagi under the supervision and guidance of ANO. Lt. Manish Kumar and Ex-Major, Pritam Singh.



### 2. Sculpture Cleaning



On 15 September Sculpture cleaning activity was organized by cadets in which 71 cadets along with U.O Vishal Pachauri cleaned the sculpture at Hari Parvat crossing.

### 3. Shramdaan

On 26 September 95 cadets took part in *shramdaan* activity in which cadets cleaned area around the University premises and technical college campus. This activity was organized by U.O Harsh Mehta.

### 4. Swachta Abhiyan

On 29 September Swachta Abhiyan was carried out. This activity was organized along with Nagar Panchayat, Dayalbagh. Executive Officer, Nagar Panchayat, Rajesh Rana briefed the cadets about the Importance of Cleanliness. This activity was organized by U.O Vishal Pachauri under the guidance of ANO Manish Kumar and Ex-Major Pritam Singh.



### 5. Awareness Rally

At the end of the Swachta Pakhwada on 30 September an awareness rally was organized from Naglapadi area to Soami Nagar area in which 95 cadets took part. A *Nukkad Natak* was also conducted on “Swasth and Swacch Bharat” theme. This activity was organized by U.O. Vishal Pachauri.

## IGC 2017

11 cadets of DEI attended the IGC 2017 Camp held at Noida. After a tough competition, the following five cadets of DEI were selected for PRE-RDC.

1. U.O. Rahul Tyagi
2. U.O. Akhil Raghav
3. SGT. Gopal Upadhyay
4. SGT. Praveen Tyagi
5. CPL. Abhishek Mittal

## NIC

4 Cadets of DEI attended the National Integration Camp held at Banaras. In this 10 days camp various activities were organized in which DEI cadets stood amongst the best cadets in all fields.

## NDRF

ANO of DEI Technical College NCC, Lt. Manish Kumar attended the three days training on natural disaster held at Ghaziabad.

## Youth Exchange Program (YEP)



During Republic Day Camp every year 165 cadets are shortlisted from the entire contingent of 1700 cadets from all over India. Selected NCC cadets participate in YEP which is a country to country exchange of cadets belonging to NCC. They participate in NCC activities of the host country to create an



increased awareness and appreciation of each other's socio-economic and cultural heritage. NCC has a vibrant YEP with 11 countries. This year three (03) cadets from DEI took part in RDC 2017 and it's indeed a matter of pride to mention that all three have been selected for YEP. SUO Indrajeet Sikarwar final year Mechanical has got a place in RUSSIAN delegation. Indrajeet visited Moscow from 23 September to 3 October, 2017. During his stay at Moscow apart from military training, ice scating, Mathematical intellectual tournament etc. they were taken to Red Square, The Great Patriotic War Memorial, Moscow Zoo, Planetarium and many more tourist places in and around Moscow. SUO Indrajeet was also awarded the Best Cadet of the delegation Award.

### Best Associated NCC Officer (ANO) Award

After various rounds of selection processes at Group and Directorate level, Associated NCC Officer (ANO) Lt. Manish Kumar has been awarded Best ANO of Uttar Pradesh Directorate. It is a matter of immense pleasure to mention that achieving this he has become the first ANO to bring this laurel to the institute and NCC Group Head Quarter Agra. The award was given by the ADG Maj. Gen. RGR Tiwari during the award ceremony on NCC DAY celebration held on 24 November, 2017 at Uttar Pradesh Directorate, Lucknow. Cadet Sushant Saxena was also felicitated for securing 3<sup>rd</sup> Position at Uttar Pradesh Directorate level in the Essay Writing completion. He wrote essay on the topic **"Swachh Bharat se Swachh Sidhi"**.



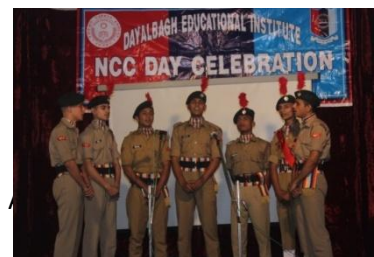
### Blood Donation Camp

NCC cadets organized one day Blood Donation Camp in the institute with Samarpan Blood Bank, Agra. This was the second camp in a year organized by the NCC cadets. During the camp along with the NCC cadet's, boys and girls students also took part with extra courage and motivation. Teachers and staff members from various faculties and college have also given their contribution to make this noble event a great success. During the camp a talk on the importance of blood and organ donation was delivered by Col. O.P. Pandey, Commanding Officer of 1 UP Battalion NCC Agra. SM of the unit Subedar Major Shailendra Singh was also present during the camp. Record 361 units of blood was collected which is 100 units more than the last camp collection. According to the Samarpan representative it is the highest donation by an Educational Institution.



### NCC DAY Celebration

NCC Day is celebrated every year on fourth Sunday of November. 69<sup>th</sup> NCC Day was celebrated jointly by all sub-units of NCC in DEI with full zeal and enthusiasm on 26<sup>th</sup> November, 2017. 252 cadets from various sub units of NCC at DEI took part to make the event



memorable. Brig. P.D. Gupta (Retd.) was received by honourable Principal D.E.I. Technical College, Dr. B.B Rao, along with the NCC Officers of all sub units of D.E.I. A Guard was given to the Chief Guest under the command of U.O. Vishal Pachauri. Brig P.D. Gupta (Retd.) inspected Guard & appreciated turnout and bearing. Thereafter the function started with the University Prayer by NCC cadets of DEI Prem Vidyalaya. A brief report on the NCC activities in D.E.I. was presented by the NCC Officer Lt. Manish Kumar. A Power Point presentation of Yearlong NCC Activities was presented by Cdt. Naveen Bhadauriya. Cadets also shared their experiences and benefits of NCC, during the function. Various cultural events were presented by the cadets; short skit (Beti Bachao, Beti Pado) by Prem Vidyalaya girl's cadets was appreciated by all present. A Group Song was presented by the Cadets of Technical College & another skit was performed by JD Cadets of R.E.I. Intermediate. Recognition to the cadets with outstanding performance in regular parades, activities and discipline was given to the cadet Suraj Gautam, 1<sup>st</sup> yr Voc. Auto, SGT Anuj Kumar, 2<sup>nd</sup> yr Mechanical. Major Pritam Singh (Retd.) was felicitated for his outstanding and dedicated services to NCC. For participation in RDC 2017 and in Youth Exchange Program, three cadets SUO Rahul Tyagi, UO Indrajeet Sikarwar, UO Vishal Pachauri were also felicitated with meritorious award.

### Traffic Awareness Programme

A lecture on Traffic Awareness was organized by the NCC Army wing in co-ordination with the SP - Traffic Agra. The major emphasis was on the growing problems of the traffic management system in the city. The cadets and the students of DEI technical college learnt the various rule of traffic and attended the lecture delivered by the traffic sub-inspector – Prashant Chaudhary. In his address, Shri Chaudhary enlightened them about the different traffic rules and also made them aware about the existing rules and also upcoming traffic rules & regulation. He emphasized that traffic control is not only the responsibility of the traffic police; it is the responsibility of the individual to follow the rules and regulation. This was organized by the SGT Anuj Kumar, UO Harsh Mehta, and SGT Sachin Kumar. In the felicitation ceremony organized by the NCC Group Head Quarter, Agra. SGT Anuj Kumar was felicitated by the Group Commander NCC Agra for organizing this event successfully.



### Agra Heritage Run

NCC cadets took Part in the “Spirit of Agra Heritage Run” organized by Custom & Central Exercise Commissionerate Agra. The Run started from Agra College ground and finished at Kalakrati Heritage Complex. On the request of Commissionerate Agra, our institute provided 50 NCC cadets and an Officer for the administrative and controlling help during the rally.



### World Diabetes Day

A rally on World Diabetic Day was organized by the NCC Cadets of DEI Technical College and R.E.I. Intermediate College. The purpose of rally was making people aware about the causes, impact and cure of diabetes. The awareness rally started from DEI main gate to Bhagwan talkies crossing and back. During the rally cadets displayed self-made posters on effects and cure of diabetes. They also



made people aware by shouting the self-written slogans. 150 cadets took part in the rally. SGT Sachin Kumar organized this event. Presence of Lt. Manish Kumar, Chief Officer Lokendra Singh and Lt. A.K. Diwedi encouraged and boost up the morale of the cadets.

### Youth Exchange Programme



After accomplishing all the limits of selection criteria only 164 cadets were selected for NCC YEP in 2017, 12 were selected to participate in the international camp held at Thimpu, Bhutan from 12 to 18 December 2017. A contingent consisted of 6 boys and 6 girls came from different directorates of India. Cadet Vishal Pachauri of DEI Technical College was one of these members.

20 cadets were selected to participate in "International Cadet Exchange Programme" (ICEP) held at Dhaka, Bangladesh from 14 to 24 Dec 2017. The contingent consisted of 10 boys and 10 girl cadets from different states of India and was headed by Colonel Paramjeet Arya and Lt. Col. Ansar. Rahul Tyagi from DEI Technical College was amongst the members of this prestigious contingent.

### Republic Day Camp 2018

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 pleasure to mention this year 5 cadets from our institute fulfilled their dream. It's also worth mentioning that among 1900 cadets who took part in RDC 2018, we were 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 Residence during the dinner organised.

UO Akhil Raghav: Akhil is persuing 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 persuing 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.

#### Day 1: Lecture and Poster Making Competition on “SAVE WATER SAVEWORLD”

A lecture was organised for the awareness of cadets on consumption and preservation of water. The aim was to make the youth aware of the importance of Water and to motivate them to spread the awareness in their close society. Lecture was conducted by Ex NCC Officer Maj. Pritam Singh (Retd.) and NCC Officer Lt. Manish Kumar. The officers gave various live examples to minimize the wastage of water. Cadets also shared their views on it. A poster competition was also organized and the same will be used during the awareness rally on “World Water Day”. The event was organized under the management of U.O. Harsh Mehta.

#### Day 2: Awareness rally on “Swachhta Se Siddhi”

An awareness rally was organised for keeping our surroundings clean. The aim was to make our youth aware about the importance of Cleanliness and motivate them to spread the message that “charity begins at home”. The rally was coordinated with Nagar Panchayat, Dayalbagh and Chairperson Smt. GurPyari Mehra also participated in it. In her address she explained cadets about the concept of ZERO Waste Management System and emphasized to convince people in their society to work towards it. Rally was conducted by U.O. Akhil Raghav and his team



#### Day 3: Essay Writing Competition on 1. “SAVE WATER SAVE WORLD” 2. “MY Dream City Agra”

An Essay Writing Competition was organised on the above mentioned topics. The aim of competition was to develop writing skills and enhance their thinking capability. This event was a team effort organized by of SGT Anuj Kumar, K.K. Tomar, Abhishek Mittal, Jalaj Kumar.

#### Day 4: Awareness Rally on “Save Water”

“World Water Day” is an annual observance day on 22 March. A rally was organised to spread the importance of consumption and preservation of water. Lectures were conducted by the NCC Officer Lt. Manish Kumar and Mr. K.K.Tyagi. The Rally was led by U.O. Ankur Varshney and team.

#### Day 5: Awareness rally on “Traffic Awareness”

An awareness drive was organized wherein the cadets explained the importance of helmet and seat belts to bikers and drivers respectively. The cadets also explained the importance of following the traffic rules. The Drive was conducted under the guidance of NCC Officer Lt. Manish Kumar & Mr. K.K.Tyagi, this activity was led by U.O. Akhil Raghav and team.



#### Day 6: Awareness rally on “Anti-Tobacco”

An awareness drive on the demerits of consumption of tobacco was organized. The aim of rally was to make people aware about the dangerous effects of tobacco. Cadets also motivated people to spread the information about the negative impacts of tobacco. This Rally was led by SGT Priyanshu Sharma and team under the supervision of Lt Manish Kumar.

### Blood Donation Camp

7<sup>th</sup> April is observed as “World Health Day” every year and to make this day memorable, a one day Blood Donation Camp was organised by the NCC unit, DEI Technical College. This was 3<sup>rd</sup> Blood Donation Camp conducted by this unit in collaboration with Manav Seva Charitable Blood Bank. To make this initiative great success students (Boys and Girls), Staff members of different faculties of DEI and NCC cadets took part with enthusiasm and zeal. Total 244 units blood were donated, out of which 67 units of blood was contributed by the Girl Cadets / Students. Brig. Sanjay Sangwan Group Commander NCC, Agra Group was the Chief Guest and Lt Col Vandana Grover, Adm. Officer 1 UP Bn NCC Agra was the Guest of Honour for the day. The event became more momentous with the presence of the honourable Director DEI. He congratulated the donors and also appreciated the cadets and the students for this voluntary service. To encourage the Donors, they were given a certificate, a donor batch & refreshment. Principal Technical College Dr. B. B Rao also encouraged the cadets for their efforts. The camp started from 10 am and lasted till 6 pm.



### World Earth Day

In the present days when we are talking about the rising trend of pollution in the environment and depletion in the number of trees, the NCC unit of DEI Technical College on the occasion of “World Earth Day” organised a poster making and essay writing competition on 22 April, 2018. The purpose was to create awareness among the youth about the environment. 54 cadets took part in this activity and expressed their thoughts on paper through colours and pen. The idea was to spread a message to find various ways to save mother earth. Slogans were depicted through posters.



These events were organised by SUO Harsh Mehta, UO Ankur Varshney, UO Gopal Upadhyay, UO Akhil Raghav, SGT Praveen Tyagi, CDT Sunny Kumar, CDT Naveen Bhadauria, CDT Suraj Kumar and few ex-NCC cadets under the supervision and guidance of company commander Lt. Manish Kumar and the source of inspiration principal DEI Technical College. Other cadets who also helped in organising these events were CDT Vidushi Satsangi, CDT Mansi Rawat, CDT Jyotika, CDT Sweetie Singh and CDT Drishti Chaudhari.



### Felicitation Ceremony

NCC Group Headquarter, Agra organised a felicitation ceremony on 17<sup>th</sup> April, 2018 to honour meritorious officers, cadets and staff of the Group. From DEI Technical College following were felicitated by the Group Commander Brig, Sanjay Sangwan;

1. Lt. Manish Kumar- ANO, DEI Technical College for Best ANO UP Directorate
2. Ex-SUO Rahul Tyagi for representing Agra group in YEP programme to Bangladesh
3. Ex-UO Inderjeet Sikarwar for representing Agra group in YEP programme to Russia
4. Ex-UO Vishal Pachauri for representing Agra group in YEP programme to Bhutan
5. Ex-UO Rajat Tyagi for Best Cadet of UP Directorate.
6. UO Gopal Upadhyay for representing in the parade at Rajpath in RDC 2018.
7. UO Akhil Raghav, SGT Praveen Tyagi & CDT Abhishek Mittal for PM rally during RDC 2018

In addition to this, 29 cadets were felicitated for taking part at Taj Mahotsava 2018.



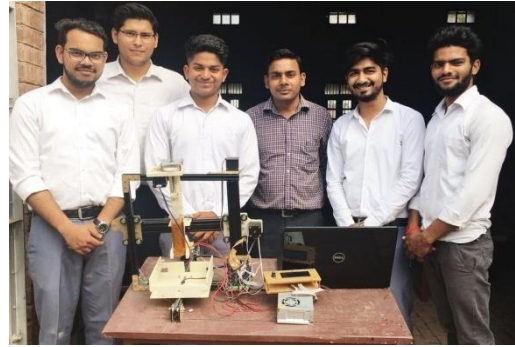
### NCC 'B' and 'C' Certificate Examination Results:

	'B' Certificate	'C' Certificate
<b>Cadets Appeared</b>	50	33
<b>'AYE' Grade</b>	03	04
<b>'BEE' Grade</b>	23	24
<b>'CEE' Grade</b>	18	

UO Roman Rajoria has successfully completed NCC with 'AYE' grading in both 'B' and 'C' certificate exam. Other meritorious cadets who scored 'AYE' grading in 'B' and 'C' certificate are UO Rahul Tyagi, UO Indrajeet Sikarwar, UO Vishal Pachauri, SGT Dushyant Dubey, CDT Ram Krishan Panday and CDT Shyam Pratap Chauhan respectively.

### 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.



### Industrial Visit

An Industrial visit of final year Mechanical Engineering students to Noida and Manesar was organized. Students got an opportunity to see and understand the working of various industries. In Noida, students got a chance to visit *Eveready Industries*, *Varun Beverages plant* and *Bharat Petroleum Research Centre*. They got to know about the procedure of production of batteries and cells in Eveready 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 got to know about the manufacturing process of various car components. 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.



### Papers Presented in Conferences

Mayank Agarwal presented a poster paper entitled "Productivity Improvement and Capacity Enhancement of Ceramic Industry" at The Indian Ceramic Society Western Uttar Pradesh Chapter, Global Ceramic Leadership Roundtable-2018 in Firozabad on 27<sup>th</sup> Feb.2018.

### Publications

1. Mukesh Kumar, Sanjay Srivastava and V. Soami Das, Electromyographic analysis of selected shoulder muscles during rehabilitation exercises, Journal of Back and Musculoskeletal Rehabilitation 31, 947–954 947, 2018, DOI 10.3233/BMR-171020
2. Greesh Kumar Singha, Sanjay Srivastavaa, Mukesh Kumar and Shellyka Ratnakar, Effects of selected rehabilitative exercises on external rotator muscles and trapezius muscles of masonry workers, Work, 60, 437–444, 2018, DOI:10.3233/WOR-182757
3. Mayank Agarwal, Productivity Improvement and Capacity Enhancement of an Automobile Industry: A Case Study, Proceedings of International Journal of Engineering Research and Technology (IJERT), ISSN:-2278-0181, 2017.

## Seminars and Conferences

### *Second Indo-Canadian Research Colloquium (UW and DEI: Education and Research in Dialogue) on June 2, 2017 at University of Waterloo*

Indo-Canadian Research Colloquium (UW and DEI: Education and Research in Dialogue) was organized on June 2 at University of Waterloo in video-conference mode with DEI by TSC delegates on way to San Diego. The Vision Talk was delivered in video-conference mode from DEI by Revered Prof. P.S. Satsangi, Chairman, Advisory Committee on Education, Dayalbagh Educational Institutions. The five-decade old DEI-Waterloo relationship is a model one, culminating in a MoU between the two Institutes in 2008, further renewed in 2013. This joint colloquium elevated the flourishing relationship between our Institutes to even loftier horizons, in the words of Prof. Peter Roe in his address to the colloquium.

### *Integrated East-West Forum and The Science of Consciousness Conference, TSC 2017 (June 5, 2017), San Diego, USA*

A large delegation from DEI, comprising around 50 faculty members, research scholars and students visited San Diego for The Science of Consciousness Conference (TSC 2017) organized at San Diego from June 5-10, 2017 for both the Integrated East-West Forum on June 5 as well as the main event in the following days. A pre-event rehearsal was also organized at DEI on June 2, 2017.



The Integrated East-West Forum on June 5 was held in video-conferenced mode with DEI, Dayalbagh. The Vision Talk was delivered in video-conference mode from DEI by Revered Prof. P.S. Satsangi, Chairman, Advisory Committee on Education, Dayalbagh Educational Institutions. Panel Discussion was held on “Consciousness: Integrating Eastern and Western Perspectives” with notable inputs from DEI also. Among the experts at the East-West Forum were Prof. Stuart Hameroff, Prof. Rocco J Gennaro, Prof. Paavo Pytkkanen, Prof. Jack Tuszynski, Prof. Thomas Bever, Prof. P. Sriramamurti, Dr. Anirban Bandyopadhyay, Prof. Subhash Kak, Prof. Mani Lal Bhaumik, Mr. Prem Prashant, Dr. Anoop Srivastava and Dr. Bani Dayal Dhir.

In the subsequent days, DEI delegation participated fully in the main event from June 6-10. DEI posters were displayed on June 7. The Poster session involved lot of discussion and continued till late in the evening. The next TSC 2018 conference will be held at Tucson, Arizona in April 2018 and DEI has been invited to conduct Integrated East-West Forum.

***Bicentennial Celebration of Founding of Radhasoami Faith - The Ultimate Reality (Evolution of Dayalbagh Radhasoami Satsang Way of Life: A New World-Order (Economy, Polity and Spirituality) & The Life and Teachings of Param Purush Puran Dhani Huzur Soamiji Maharaj), August 24, 2017***

As we are in the momentous bicentennial year of the advent of Param Purush Puran Dhani Huzur Soamiji Maharaj on this planet earth in 1818, in commemoration of such an epoch-making event unparalleled in human history, which also marks the beginning of Dayalbagh Satsang way of life, the year-long celebrations included a Landmark Workshop organized at DEI Centre for Consciousness Studies on August 24, 2017, involving noted scholars from all over the world who have extensively studied



Radhasoami Faith and its August Founder such as Prof. Mark Juergensmeyer, University of California at Santa Barbara, USA; Prof. Daniel Gold, Cornell University, USA and Prof. Diana Dimitrova, University of Montreal, Canada. Delegations from other Radhasoami centres joined the celebrations in a feeling of brotherhood at the invitation of President, Radhasoami Satsang Sabha. The visiting delegations included those from Radhasoami Satsang Beas led by Mr. J.C. Sethi, Secretary; Sawan Kirpal Ruhani Mission led by Mr. I.R. Malik, Head Foreign Office; Radhasoami Parmanand Ashram Delhi led by Mr. Naveen Gupta and Huzuri Bhawan, Peepal Mandi (Agra) led by Mr. Sumir Mathur, grandson of Revered Dadaji Maharaj. The Radhasoami Satsang Sabha delegation was led by Mr. Prem Prashant, President.

Vision Talk entitled, "*Complete Neuro-Theology as Ultimate Reality : Science of Consciousness*" was delivered by Revered Prof. Prem Saran Satsangi, Chairman, Advisory Committee on Education, Dayalbagh Educational Institutions. It was stated that to promote East-West integration, Janmashtami was celebrated on August 15 according to eastern tradition and on August 24 according to western tradition. Panel Discussion moderated by Mr. Prem Prashant was widely appreciated by the visiting delegations as very illuminating. Consensus emerged that humility and surrender to the Supreme Being are essential along with selfless service.

***PARITANTRA 2017, Eleventh Indian Students Systems Conference, Organized by DEI-Dayalbagh Chapter of Systems Society of India On DEI Values and Quality Day, October 19, 2017***

Systems Society of India (SSI) Students Systems Conference (PARITANTRA 2017) was organized on Diwali day, October 19, 2017 on the theme "*Values Education and Quality Teaching as drivers of Superintelligence*". Prof. K. R. Padiyar, former Professor, IISc Bangalore delivered the Valedictory Talk entitled "*Art and Science of Learning*". The best paper and poster presenters were presented with awards.





Systems Society of India Awards were conferred on the occasion by President, DEI who also encouraged the students with his words of wisdom. The SSI Prize Winners were:

**SSI Lifetime Achievement Award:**

1. Prof. D. Anand Rao

**Raj Kumar Varshney Award:**

1. Prof. Sanjeev Swami & Dr. Anoop Srivastava
2. Prof. V. Prem Lata & Dr. Bani Dayal Dhir

**SSI Vikram Award**

1. Prof. K. Hans Raj & Dr. R.S. Sharma
2. Prof. Gursaran



**Quantum and Nano Computing Systems, QANSAS 2017**



International International School on Quantum and Nano Computing Systems (QANSAS 2017) was organized from November 22–25, 2017 with 23 invited speakers from top academic and research institutes like University of Waterloo, Michigan State University, University of Edinburgh, Carleton University Ottawa, IIT Delhi, IIT Kanpur, JNU Delhi and of course, DEI, Dayalbagh. A special forum on ‘Integrating Eastern and Western Perspectives of Consciousness’ was organized on November 22 with Vision Talk entitled “Complete Neuro-Theology as Ultimate Reality: Science of Consciousness” delivered by Revered Prof. P.S. Satsangi, Chairman, Advisory Committee on Education, Dayalbagh Educational Institutions and Plenary Talk by Prof. Stuart Hameroff, Director, Centre for Consciousness Studies, University of Arizona, USA. The Inaugural Talk was delivered on November 23 by Prof. Sir Timothy O’Shea, Principal and Vice- Chancellor, University of Edinburgh, Scotland, UK. Lifetime Achievement Award of Systems Society of India was conferred on Prof. Stuart Hameroff, University of Arizona in the Inaugural Function on November 23. Workshop on Superintelligence was



conducted on November 24 by Prof. Jim Davies, Carleton University, Ottawa, Canada. The Valedictory Talk on November 25 was delivered by Prof. Peter Roe, University of Waterloo, Canada. The DEI-Waterloo MoU, first signed in 2008 and renewed in 2013 was renewed for another term of 5 years. Young Systems Scientist Award was conferred on Dr. Apurva Narayan, University of Waterloo in the Valedictory Function on November 25. There were two lively Panel Discussions moderated by Mr. Prem Prashant, President DEI, which concluded on the note that consciousness is hierarchical and can be modelled using mathematical abstraction.

#### **Inauguration of Quantum Cloud Computing Facility in Satsang Hall (September 17, 2017)**

Quantum Cloud Computing (SQUID based Magneto-encephalography) MEG facility was Inaugurated as an Extension Counter of DEI Centre for Consciousness Studies at Central Satsang Hall of Dayalbagh, on September 17, 2017 morning e-Satsang in an experiment involving over 22,000 participants (as compared to the usual attendance of 15,000) at over 300 locations all over India and abroad.

#### **Landmark Workshop : DEI-Dayalbagh-SII@100 /200 Dayalbagh Educational Institute - South India Initiative @ 100/200, in the Centennial Year (Nooravathu Andu) of Spiritualization of South India in the Bicentennial Year (Erunooravathu Andu) of Founding of Radhasoami Faith. (June 17, 2017 at DEI ICT Centre, MTV Puram)**

The workshop featured Plenary Talks by leading educationists including Prof. K. Rajmohan Padiyar and Prof. B.S. Sonde, former Professors at Indian Institute of Science, Bangalore; and Prof. T. Karunakaran, former Director, MGIRI Wardha.



#### **41<sup>st</sup> National Systems Conference (NSC 2017)**

Forty-first National Systems Conference (NSC 2017) was organized at Dayalbagh Educational Institute from December 1-3, 2017 on the theme 'Superintelligent Machines and Man'.

## Activities at DEI

### Teachers' Day Celebrations

In accordance with its substantial ways of celebrating the events, DEI celebrated Teachers' Day on 5 September, 2017 at its International Seminar Hall Complex. This year, Faculty of Social Sciences and Faculty of Commerce organized the programme jointly. The short Cultural Programme included a Speech dedicated to teachers by Abhishek Upadhyay, a student of Commerce, a Western Group song: "We are the world" by the students of Management department, a Self- composed poem presented by Ms. Vaishali Dahadeja of Commerce Faculty, another inspiring Speech by Ms. Ananya Agarwal, Commerce Faculty and a Hindi Group song, "Saraswati Vandana" by students of Management Department.



This was followed by the Felicitation of some of the Retired Teachers including, Prof. Urmila Anand, Ex. Head, Department of Sanskrit, Arts, Dr. Soami Pyari Kaura, Department of Hindi, Arts, Prof. Gurudev Upadhyay, Department of Botany, Science and Mr. Bala Krishna Agarwal, Electrical Engineering Department, DEI Technical College. The event acquired an emotional hue when the Retired Teachers shared their inspiring memoirs and gave their blessings to their younger colleagues and the students.

Prof. P.K. Kalra, Director, DEI, gave an impressive Presidential Speech where he talked about the importance of Guru in a student's life and for the overall growth of the society. The Programme ended with the University Song.

### Values and Quality Day (19<sup>th</sup> October, 2017)

'Values and Quality Day' was celebrated on 19 October, 2017 with great zeal and enthusiasm. The main event was organized at DEI Quantum-Nano Centre and the proceedings were transmitted all across DEI main campus and around 100 ICT and Information Centres in India and Abroad.



Inter-Institute Elocution competition was also held on this day where students of various Faculties of DEI and Colleges of Agra participated zealously. Special performances from the winners of Poetry Recitation Competition held at REI Intermediate College and DEI Prem Vidyalaya and Inter-Institute Bhakti Sangeet competition held earlier were also organized on this occasion. In the end, a prize distribution function was held for the winners of various events organized during the year on the theme of 'Values Education and Quality teaching'.



**List of Prize Winners: Result Inter-institute V&Q Events 2017:**  
**Poster-Making**

1. Jyoti Sharma- BFA II Yr., DEI
2. Km Baby- BEd. I Sem, DEI
3. Km Dolly BFA II Yr, DEI
4. Consolation- Saswati Das B Com III Yr, Baikunthi Devi College, Agra

**Cartooning:**

1. Ekta Yadav, BFA I Yr, DEI
2. Naina Gupta, Interior Design, WPT, I Yr. DEI
3. Shivani, BFA II yr, DEI

**Bhakti Sangeet Competition:**

1. Arti Sarin, Bed. I Sem. Faculty of Education, DEI
2. Shilpy Sharmam BA III, Arts, DEI
3. Chirag Upadhyay, MBA Final, Anand Engg. College

**Elocution Competition:**

1. Aditya Sharma, B.Tech, DEI
2. Abhishek Upadhyay, B.Com. , DEI
3. Ananya Agarwal, B.Com., DEI

**Special Performances by Winner of Poetry Recitation Competition**

**Sanskrit :** Guru Prasanna, DEI-Prem Vidyalaya

**Hindi:** Prasanna Prasad, REI Inter College  
 Shreya Verma, DEI-Prem Vidyalaya  
 Kritika Pathak, DEI-Prem Vidyalaya

**English:** Surat Bhushan, DEI-Prem Vidyalaya

**Sanskrit Day**

Department of Sanskrit, celebrated "Sanskrit day" on 7 August, 2017. This occasion was celebrated throughout the week and various activities like Shloka recitation, Drama, mimes etc. were performed by students of the department. The programme was co-ordinated by Ms. Pratishtha Kulshrestha (M.A. 1<sup>st</sup> year). Mangalcharan was sung by scholar Bhupendra Kumar Gautam and Sanskrit Natak "AdhunikShakuntla" was enacted by the students.



**Five Day Scouting Guiding Camp**

A five day Scouting Guiding Camp was organized in the Faculty of Education from 10<sup>th</sup> October to 14<sup>th</sup> October 2017. Students from B Ed classes running in various distance centres viz. Delhi, Timarni and Rajaborari participated along with faculty students and Pre-School Teacher Education Students. The Scout Guide training is mandatory for all Teacher Education Institutions with the view to imbibe values of Brotherhood and prepare the Future Teachers for prompt and willing service to the





nation.

The camp was inaugurated by Col. S P Mehta, Chief Security Officer, Dayalbagh. Various competitions were held during the camp. Day one began with the Environmental Cleanliness Competition. On Day two there was the Cultural and First Aid Competition. On the third day, students went for hiking shouting various slogans and finding their way following the cues and symbols left behind by the leading party all the way to Jamuna Pump where the tent pitching, food with fire and food without fire competitions were held. All students participated with great zeal and enthusiasm in the competitions.

On the final day, Former Director, DEI Prof. S. S. Bhojwani conferred the Oath to the Students and they were initiated as Scouts and Guides. In his Speech, Prof. Bhojwani inspired the students to follow their heart and to serve the society with full commitment.



### Alumni Meet

The convocation hall of IIT Delhi was the grand venue for the 1<sup>st</sup> gathering outside Dayalbagh of Alumni from the Faculty of Engineering, Technical College and the department of Management.

A steering committee was formed between DEI and AADEIs at Agra to plan and coordinate the arrangements. Local teams were formed at Delhi to oversee the various aspects of the function. Arrangements were also made to accommodate a large display of items prepared by students, including 'DEI Quantum Jugaad', 'DEI Dairy', CART, Architecture and Planning, Leather Technology amongst others.

The participation details are as follows:



Course	Attendance		Decadewise breakup	
<b>BSc Engineering/ BTech</b>	78		1950-1960	4
<b>MTech</b>	3		1960-1970	4
<b>Ph.D (Engineering)</b>	2		1970-1980	8
<b>Diploma in Engineering</b>	90		1980-1990	37
<b>MBA</b>	58		1990-2000	41
<b>BBA/ BBM</b>	10		2000-2010	59
<b>TOTAL</b>	<b>241</b>		2010-2017	88

Director DEI explained the overall concept of DEI and how the integration from Pre-nursery stage till Ph.D. is helping students prepare better for life after academics. He laid emphasis on DEI's focus on 'Women Empowerment' and informed that 70% of current students at DEI are females, which is the highest proportion in any institute across the country. He also explained the focus of the institute on creating entrepreneurs and developing entrepreneurial skills in its students. Thereafter, AAEIs team of Mr. Rajendra Prasad and V.PremSwarup gave history of Alumni activities and explained about different kinds of membership options.

The President AAEIs, Dr, Vijai Kumar, also addressed the gathering, which was followed by a panel discussion anchored by Mr. Rajiv Sinha on the topic 'How Alumni can support DEI in a non-financial way'. There were some excellent suggestions made by the panelists and there was a good and energetic participation by the audience as well.

### Inter-Faculty Youth Parliament

An Inter-faculty Youth Parliament Competition was conducted on 04 Feb, 2018 in International Seminar Hall Complex, DEI. Students from Faculty of Commerce, Education, Engineering, Social Science, Science, Technical College and Women Polytechnic represented their respective faculty/college. Each team presented the performance of 20 minutes and demonstrated selected sessions of Parliament like question hour, calling attention, presentation of bill, oath taking, obituary, etc.



Dr. Ram Babu Harit (Former Health Minister, Uttar Pradesh Government) and Dr. Anoop Srivastava, (Inspector General, Railway Protection Force, Indian Railways, New Delhi) judged the competition. The results of the competition are as follows.

- I Faculty of Education
- II Faculty of Commerce
- III Women Polytechnic

The following six speakers were chosen as best individual performers in the competition:

- I Pushpa Mani Singh, Women Polytechnic (Diploma in Electrical Engineering II year)



- II Rishabh Singhal, Faculty of Engineering (B.Tech. I year)
- III Aishwarya Gupta, Faculty of Commerce (B.Com.I year)
- IV Antra Prakash, Faculty of Social Science (BBM II year)
- V Pushpneet Kaur, Faculty of Education (B.Ed. I year)
- VI Sabeyajaved, Faculty of Social Science (BBM I year)

### Socio-Cultural Day (13<sup>th</sup> January, 2018)

Lohri, which is celebrated as a mark of Socio-Cultural Day at DEI, was celebrated this year with enormous enthusiasm by students and staff of DEI. The visit of Most Revered Prof. P.S. Satsangi, Chairman, ACE, along with the DEI Officials and some other dignitaries, enhanced the blissful aura of the celebrations. The mood on the campus was upbeat as Girls and Boys dressed in colourful attire danced to the Bhangra tunes that reverberated in the atmosphere of DEI hostels. The Drum- beats resounded all over, making all active and alive in the vicinity. The bonfire added to the flame of happiness, which was evident by the joyful faces of all present.



### 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.

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.

### International Yoga Day

The Fourth International Day of Yoga was celebrated in the Institute with full fervour and vigour by staff and student NSS Volunteers on June 21, 2018 in morning hours as per the directives and programme fixed by Ministry of AYUSH, Ministry of Youth Affairs and Sports, Government of India, and NSS Regional Directorate, Lucknow. The programme was organized at Sports Ground, Faculty of Science of the Institute.



Apart from the Top Administrative Officials of the Institute, Deans of various Faculties and the Staff of the Institute, the programme was graced by Shri Ajay Veer Singh Yadav, Deputy Director, Social Welfare Department Agra, Yoga Expert Dr. S.D. Sinha, Renowned Yoga Master Prof. Shriram Murthy, Chairman Divinity Forum and Yoga Saadhna Kendra, Dayalbagh Agra, Medical Practitioner Dr. Siddhartha Agarwal and Faculty Member Integrated Medicine, AYUSH, Dr. Hitesh. The Yoga Session was conducted by Trained Yoga Demonstrators Mrs. Sangeeta Sinha and Mr. Abhinav Sinha.

A large number of NSS Volunteers, NSS Officials, Teachers and Staff of the Institute enthusiastically participated in the programme. The activities conducted on this day included Prayer by Selected Volunteers, Exhibition of Various Postures of Yogasanas, Practice of prescribed Yogasanas under Trained Yoga Practitioners/ Demonstrators, Invited talks on topics such as, “Mental Health Benefits of Yoga”, “Yoga for Holistic Development”, “Yoga, Surat-Shabd Yoga and Spiritual Advancement” and “Benefits of Yoga for Students” and an On-line contest on ‘Significance of Different Yoga-Asans’.



### NSS ACTIVITIES

Social service is an integral component under Rural Development course of DEI's programme of undergraduate education and participation in NSS Camp is compulsory for all students in the first semester of their course of study. During the session 2017-2018 following events and activities were conducted under the NSS.

### Free Medical & Rural Assistance Camps

For overall development of people in nearby rural areas, the NSS Cell of the Institute organized many Free Medical & Rural Assistance Camps on Bahadurpur - Poyiaghat Road during April – June 2017. The services offered in these camps included Free Medical Services including Free Medical Check-up, Pathological Tests and Medicine distribution, Hole-in-the-Wall (Computer Awareness Programme), Children Recreation Centre, Center For Spoken English, Education & Career Counselling Cell (For Rural Youth), Rural Assistance Cell (Advisory Services on Agriculture, Dairying and other Local Problems), Chaupal (For developing Culture and Ethics among people of nearby rural areas) and Centre for Vocational Training. The details and number of beneficiaries in these camps are as follows.

Camp No.	Date	No. of Beneficiaries			
		Medical Centre	Hole-in-the-Wall + CRC + Spoken English	Rural Assistance + Edu. & Career Counseling + Chaupal + Voc. Training	Total
166	09.04.2017	229	103	96	428
167	30.04.2017	212	80	55	347
168	14.05.2017	251	145	109	505
169	28.05.2017	173	56	47	276
170	11.06.2017	219	85	75	379
171	25.06.2017	382	137	135	654

Camp No.	Date	No. of Beneficiaries			
		Medical Centre	Hole-in-the-Wall + CRC + Spoken English	Rural Assistance + Edu. & Career Counseling + Chaupal + Voc. Training	Total
172	16.07.2017	408	224	215	847
173	30.07.2017	477	246	211	934
174	13.08.2017	533	241	327	1101
175	27.08.2017	462	252	224	938
176	10.09.2017	431	195	234	860
Camp No.	Date	No. of Beneficiaries			
178	08.10.2017	650			
179	29.10.2017	823			
180	12.11.2017	705			



181	26.11.2017	611
182	10.12.2017	636
183	31.12.2017	504



### International Yoga Day (21 June 2017)

According to the programme fixed by Ministry of Youth Affairs and Sports, Government of India, and NSS Regional Directorate, Lucknow, the NSS Wing of the Institute celebrated "International Yoga Day" in the morning of 21<sup>st</sup> June 2017. The programme was organized at Sports Ground, Faculty of Science of the Institute. The programme was graced by Yoga Expert Dr. S.D. Sinha and Renowned Medical Professionals, viz., Dr. Vijay Kumar, Medical Officer In-charge, SA Hospital, Dr. Richa Srivastava, Head, Department of Physiology, SN Medical College, Agra, Dr. Shailika Ratnakar and Dr. Prashant Srivastava of SA Hospital, Dayalbagh, Agra. The Yoga Session was conducted by trained yoga demonstrators Mrs. Sangeeta Sinha and Mr. Abhinav Sinha.



A large number of NSS volunteers, NSS Officials, Teachers and Staff of the Institute enthusiastically participated in the programme. The activities conducted on this day included:

1. Prayer
2. Exhibition of Various Postures of Yogasanas.
3. Practice of prescribed Yogasanas under Trained Yoga Practitioners/ Demonstrators.
4. Invited talks on “Health Benefits of Yoga”, “Myths and Realities of Yoga”, “Yoga for Meditation” and “Benefits of Yoga for establishing Global Peace & Harmony”.
5. Prize Distribution for outstanding performance by participants.



### Van Mahotsav Programmes (1 - 7 July 2017)

In accordance with the guidelines of Regional Higher Education Officer, Agra, the NSS Cell of the Institute organized Van Mahotsav Oath Ceremony for Tree Plantation and Environment Protection on 5 July 2017 in various faculties and colleges after morning assembly and plantation in and outside the campus and cleaning and maintenance of plants for making campus and surroundings green.





### Swacchhata Pakhwara (1 – 15 August 2017)

In compliance of the instructions of the Ministry of Youth Affairs and Sports, Government of India, New Delhi and the Regional Director, NSS, Lucknow, the NSS Cell of the Institute organized following programmes:

- Swacchhata Oath Ceremony for Cleanliness of Campus and Surroundings; and taking Swacchhata as a movement for spreading the message of cleanliness in the society on 1 August 2017 in all faculties and colleges after morning assembly,
- Speech Competition on “Cleanliness for Health and Hygiene” organized on 16 August 2017 in the Hall of Faculty of Science.
- Intensive Cleaning Campaign for Cleaning of Campus and nearby places in regular NSS/ Social Service Classes and
- Special “Swacchha Rail - Swacchha Bharat Campaign” at Agra Cantt. Railway Station for intensive cleaning of railway station and surroundings on 19 and 20 August 2017.



The disciplined, dedicated and outstanding contribution of NSS volunteers of the Institute in “Swacchha Rail Swacchha Bharat Campaign” of Indian Railways, Government of India, was highly appreciated by the DRM and officials of the Commercial Department, Agra Division. In recognition of the efforts of team, Mr. M.N. Ojha, Chief Commercial Manager, Indian Railways, North-Central Zone, Allahabad honoured all student volunteers and NSS officials (Prof. Swami Prasad Saxena, NSS Coordinator, Dr. Ranjeet Kumar and Dr. Rajiv Ranjan, NSS Programme Officers) with “Certificate of Appreciation” on August 20, 2017.. Ms. Rashmi Baghel, Commercial Manager and Mr. Shiv Kalyan, Deputy Commercial Manager, Agra Zone, were also present on this occasion.

### New India Pledge (15 August 2017)

In compliance of the instructions of the Ministry of Human Resource Development, Government of India, New Delhi and the Regional Director, NSS, Lucknow, the NSS Cell of the Institute organized “New India Pledge” on 15<sup>th</sup> August 2017 at 9.30 am at playground of Faculty of Science. The students



and staff of all the faculties and colleges, including authorities of the Institute participated in this program.

### **Sadbhawna Week (20 – 26 August 2017)**

To mark the birth centenary of Sri Rajiv Gandhi, Icon of Sadbhavna and Ex. Prime Minister of our country, NSS Cell of the Institute organized Sadbhavna Oath on 21 August 2017 in all the faculties and colleges after morning assembly.

With a view to develop sense of Sadbhavna among volunteers and understanding of New India Vision, an Inter-faculty Speech Competition on the topic “Resolution of New India and Sadbhavna” was organized on 24 August 2017 in the Hall of Faculty of Commerce.



### **Birth Centenary of Pandit Deen Dayal Upadhyay (25 August – 25 September 2017)**

In compliance of the instructions of Government of India, NSS Cell of the Institute organized many programmes on the occasion of Birth Centenary of Pandit Deen Dayal Upadhyay with an objective s to inculcate ideas and teachings of Pandit Deen Dayal Upadhyay for integrated development of the country. These programmes included:

Inter-faculty Speech Competition on the topic “Antyodaya is the only Basis of Empowerment of the Nation” organized on 30 August 2017 in new Hall of Faculty of Arts. Convened by Dr. Suman Sharma, Programme Officer, Faculty of Arts and Guest Lectures on 15 September, 2017.







### One Day NSS Camps

NSS Cell of the Institute organized Five “One Day NSS Camps” of selected units in July – August 2017. These camps were organized for cleaning of campus, surroundings and nearby villages/ slums. The main activities conducted in these camps include:

- Sapling of New Plants and Maintenance of existing plants/ trees in the campus, surroundings and nearby places,
- Cleaning of Campus, Surroundings and nearby places.
- Awareness Programme for Clean, Green and Healthy Society.



### International Ozone Day (16<sup>th</sup> September, 2017)

As a part of Awareness Programmes on Environment Protection, NSS Wing of the Institute observed International Ozone Day on 16 September 2017 in Hall of Faculty of Science. To mark this programme Dr. Ranjit Kumar, Programme Officer, NSS, Faculty of Science organized Speech Competition by NSS Volunteers on the “Causes, Effects and Remedies of Ozone Depletion” followed by Invited Talks of Dr. V.K. Shukla, Regional Officer, Central

Pollution Control Board, Agra and Mr. Ajayveer Singh Yadav, Environmentalist and Deputy Social Welfare Officer, Agra.



### National Unity Day (31<sup>st</sup> October, 2017)

National Unity Day was observed on 31st October 2017 on the Birth Anniversary of Sardar Vallabhbhai Patel. On this occasion, the NSS Volunteers, Students and Staff enthusiastically participated in National Unity Oath Ceremony organized in various faculties by the NSS Wing of the Institute. In the evening session, NSS Volunteers of various faculties participated in Inter-faculty Group Speech Competition on the topic "Role of Youth in Nation Building" organized in Faculty of Social Sciences.



### National Integration Week (19 – 25 November 2017)

The NSS wing of the Institute observed National Integration week during 19 – 25 November 2017. During this week NSS Volunteers enthusiastically participated in discussion programmes organized in different faculties of the Institute. To enlighten the NSS volunteers of the Institute, an Invited talk of Shri RD Sharma, IG (Training), BSF, Mathura was organized on 20 November 2017.



### World AIDS Day (1 December, 2017)

World AIDS Day was observed on 1st December, 2017. On this occasion NSS volunteers participated in Discussion Programme and Inter-faculty Poster and Slogan Writing Competition on "Causes, Effects and Precautions to Control AIDS".



### Seven Day NSS Special Camp (19 – 25 December, 2017)

A Seven Day NSS Special Camp was organized from December 19 - 25, 2016 with the theme "Making Sense on Sanitation". Dr. Hari

Annua





Om, Secretary General Administration, Uttar Pradesh Government, Lucknow was the Chief Guest and ShriMithilesh Kumar Shukla, Joint Commissioner, GST, Agra was the Guest of Honour of the function. The Director, Registrar, Treasurer, Controller of Examination, Deans, Heads of various departments of the Institute and other dignified guests, such as ShriBuddhesh Mani, Assistant Commissioner, GST, Agra and others graced the Inaugural Function. Prof. Swami Prasad Saxena, Coordinator - NSS briefed about the activities to be conducted during the Camp.

In this Camp, about 1315 volunteers rendered services in adopted villages and slums which included BahadurPur, SikandarPur, NaglaTalfi, LalGarhi, ManoharPur, NaglaJageshwar, Nagla Haveli, JaganPur, Vidya Nagar, NaglaBoori, NaglaPadi, Durga Nagar, Devi Nagar, Saran Ashram Nagar, Basera etc.

The NSS Volunteers also contributed in “Swacchh Rail – Swacchh Bharat Mission” of Government of India by participating in Cleanliness Campaign and making passengers aware of Swacchh Rail – Swacchh Bharat Mission.



During this camp, major activities conducted in adopted villages, slums, neighborhood communities, public places and Agra Cantt. Railway Station in first session included following.

1. Cleaning of Roadsides and Community/ Public Places,
2. Cleaning and Fumigation of Drains,
3. Waste Water Management,
4. Maintenance of Trees,
5. Social Survey and Awareness Programmes through, discussion, rallies, street plays etc. on various issues.
6. Speech, Poster Making Competitions and Invited Talks of Eminent Speakers on various social issues.
7. Cultural and creative performances were organized in the Third Session everyday.
8. Blood Donation Camp in association with Samarpan Blood Bank was organized on 24 Dec. 2017. In this Camp Volunteers and Staff of NSS donated about 100 units blood.

The Valedictory Function was held on 25<sup>th</sup> December 2016. SriArunPrakash, Municipal Commissioner, Agra was the Chief Guest on this occasion. The Director, Registrar, Treasurer, Controller of Examination, Deans, Heads of various departments of the Institute and other dignified guests graced the Valedictory Function. Prof. Swami Prasad Saxena, Coordinator - NSS presented the detailed report of activities conducted during the Camp. The NSS Volunteers and people from villages and slums shared their learning and experiences during this camp.





## International Women's Day

The International Women's Day was celebrated on 8th March 2018. Dr. Guru Pyari Mehra, Chairman, Town Area Committee Dayalbagh and Renowned Social Activist was the Invited Speaker and Chief Guest of the function. On this occasion, NSS Volunteers of various faculties participated in inter-faculty Speech Competition on Emerging Issues of Women and Social Evils. They also shared their knowledge on Women Empowerment Schemes of the Government through Discussion Programme and Essay Writing Competition.



## Annual Prize Distribution Function (24<sup>th</sup> March, 2018)

Annual Prize Distribution Function of NSS was organized on 24 March 2018 to honor winners of various competitive events organized under regular and special activities during the year. Shri Amit Kumar Singh, Assistant Commissioner, GST, Agra was the Chief Guest of the function. Dr. Piyush Jain, Social Activist and Senior Physician, District Hospital, Agra was the Guest of Honor on this occasion.



Dr. Prem Shankar Singh, Dr. Rupali Satsangi and Mr. Kumar Ratnakar were honored with Swami Vivekanand Award for their sincere efforts as Program Officers of the Institute. Two NSS volunteers, Mr. Siddhant Satsangi and Mr. Manish Kumar were honored with Swami Vivekanand Award for their remarkable contribution in organizing various NSS activities during the year. Best NSS Volunteer Award was also given to eight NSS Volunteers of various Faculties for their performance and contribution in NSS activities during the year 2016-18.



# Distance Education Programme

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The Distance Education Programme of DEI was launched in the year 2004 to extend the benefits of this high quality, innovative, value-based and affordable education to all sections of the society with special emphasis on the weaker sections and to empower women residing in the remote, backward and tribal parts of India. Aimed at their empowerment and economic development, a number of employment-oriented vocational programmes are offered with very nominal fee, mainly to meet the cost of the resource, which is made available free to students. In addition to these vocational programmes, higher level programmes are also offered. Students who are passing out from these programmes are assisted by an innovative placement model supported by the Alumni of the Institute.

The Distance Education Programme of DEI has the approval of the erstwhile Distance Education Council (DEC, IGNOU). On the recommendation of the Joint Committee of UGC-AICTE-DEC, recognition had been accorded to a number of programmes to be conducted in distance mode.

With the abolition of Distance Education Council, UGC became the regulator of Distance Education. It decided to maintain status quo and the recognition accorded earlier by the Joint Committee to the programmes, was extended to the academic year 2014-15 and then to 2015-16. Following this, UGC invited proposals for recognition for 2016-17 and a detailed proposal was submitted for recognition of DEI as a Distance Education Institute and for the programmes which had already been recognised for being offered in 2015-16. A presentation was made before the UGC panel and recognition was awarded to DEI to offer all the proposed programmes during the academic sessions 2016-17 and 2017-18.

## Programmes currently offered in Distance Mode

DEI is offering various Certificate level, Under- Graduate Degree, Post-Graduate Diploma and Post Graduate Programme in Distance Mode. Following programmes, in each of the above mentioned categories are being offered in the session 2016-17:

### (i) Certificate Programme (1-2 years): All in Modularized format

- i. Modern Office Management & Secretarial Practice and Office Assistant-cum-Computer Operator)
- ii. Textile Designing & Printing
- iii. Textile Technology
- iv. Dress Designing & Tailoring and Cutting & Sewing)
- v. Motor Vehicle Mechanic (4-wheeler/2-wheeler)
- vi. Wireman
- vii. Electrician

### (ii) Under-Graduate Degree (3 years)

- B. Com. (Hons)
- BBM (Hons)

### (iii) Post-Graduate Diploma (1 year)

- Theology
- Journalism & Mass Communication
- Computer Science & Applications

**(iv) Post-Graduate Degree**

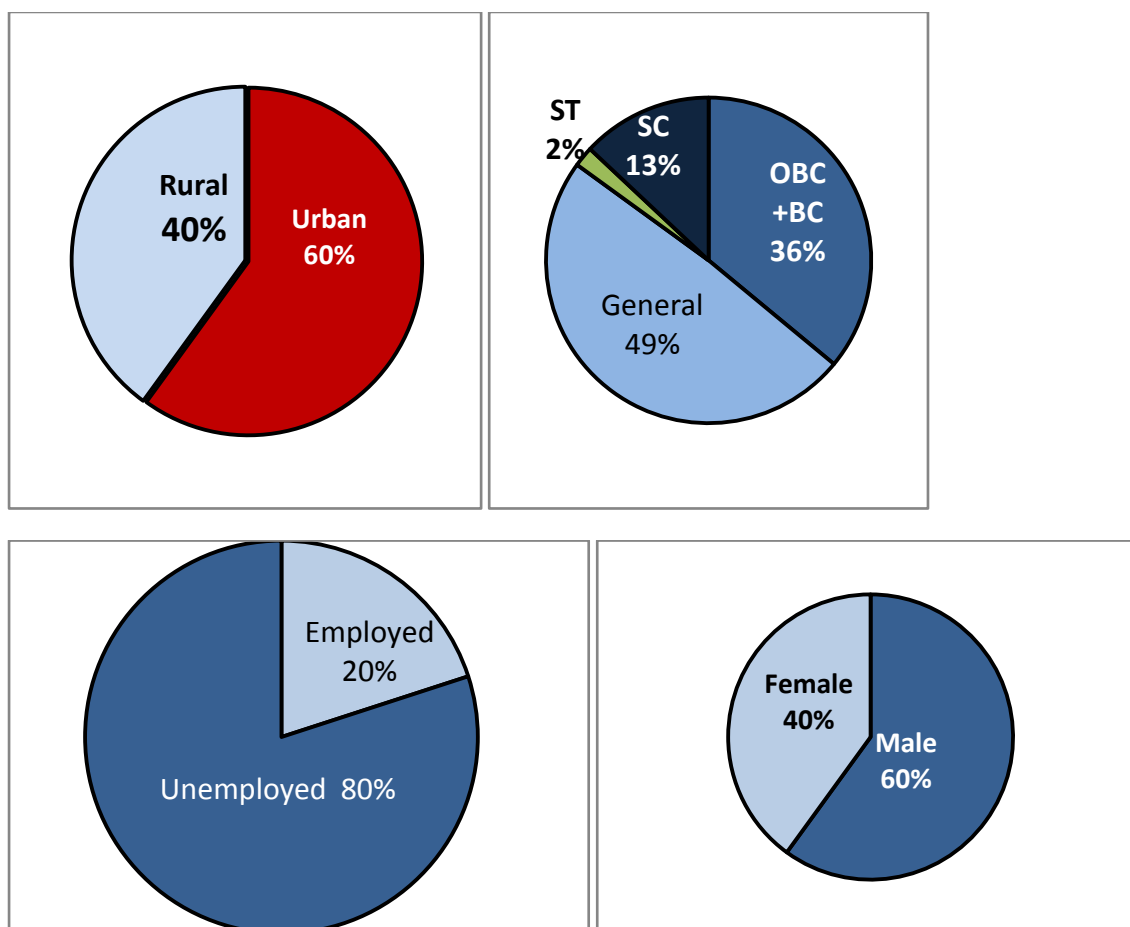
- MBA (3 years) (in modularized format)
- M.Com. (2 years)

**Enrolment and Student Profile in DEI Information Centres**

In the academic session 2017-18, 1874 students were admitted in various programmes mentioned above under distance education programme. In addition to this 753 senior students (2<sup>nd</sup> & 3<sup>rd</sup> year) also enrolled themselves. The total number of students enrolled in the session under distance education programme is 2627.

**Profile of students' enrolled in DEI-DEP in the 2017-18 session**

The relative constituents of total student population in the distance education programme in the academic year 2017-18 are shown below in terms of category, area, social status, and gender in the form of PIE-CHARTS.



*Profile of students' enrolled in DEI-DEP in the 2017-18 session*

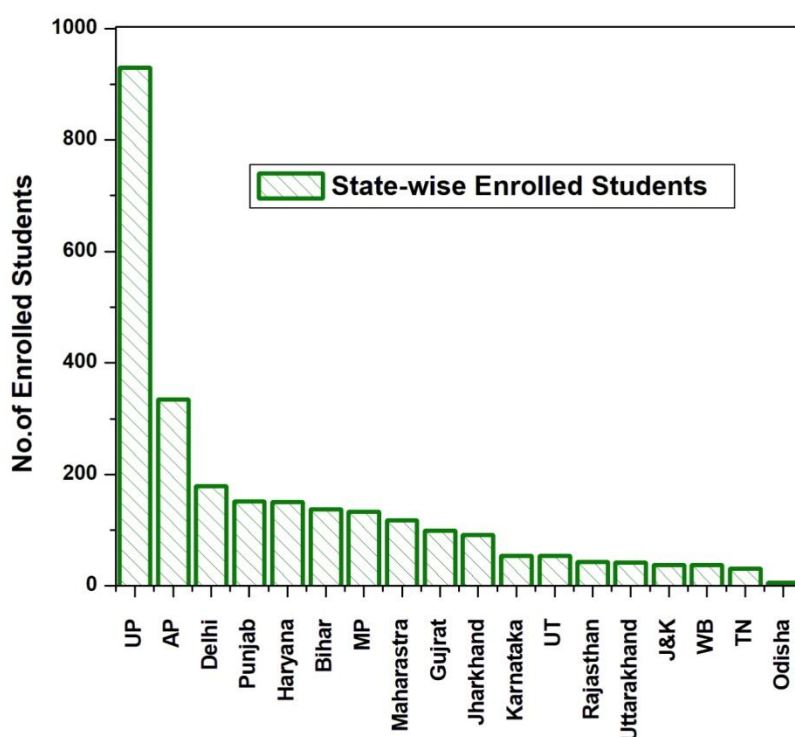
The data presented in the PIE CHARTS clearly demonstrates that the objectives of Distance Education are being met as the benefits of the programme are also reaching the desired and deserving population as specified in the objectives viz. education reaching the economically weak persons, women empowerment, in rural parts of the country etc.

The percentage trends shown in the Charts have been almost similar over the past several years. This demonstrates that, the consistency and focus on objectives of the programme continue to persist inspite of adding different programmes in different geographical areas over the years.

### Total Enrolment

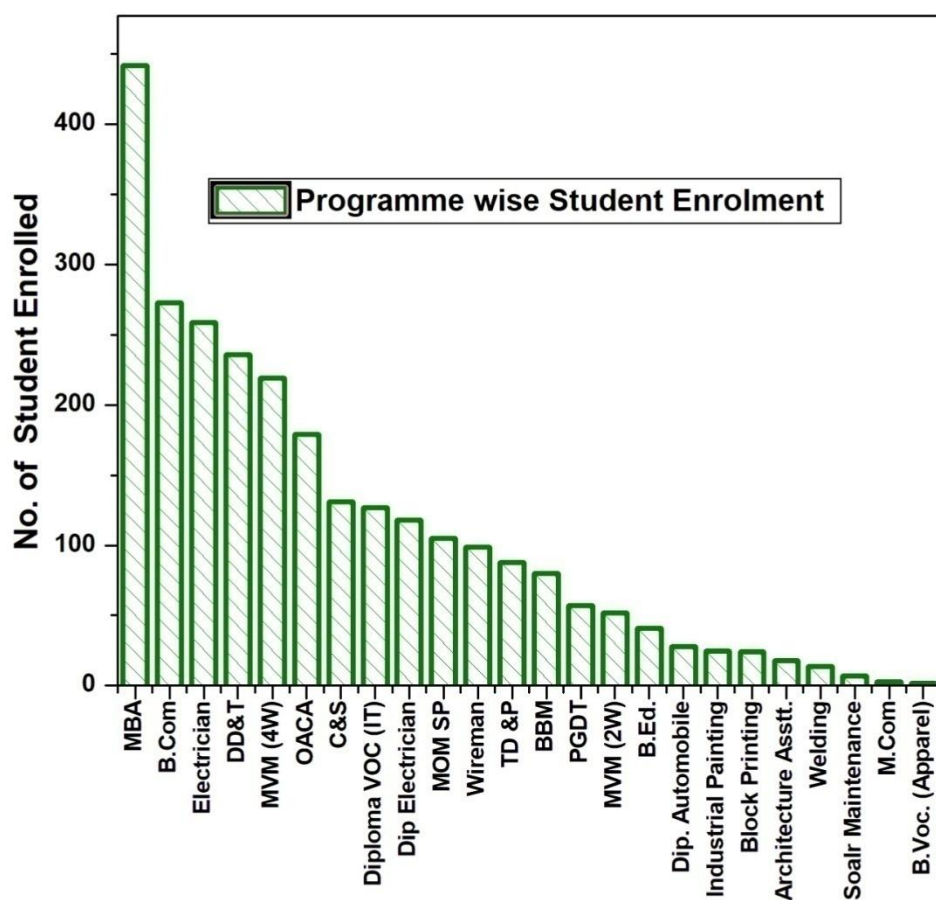
The distribution of total students enrolled State-wise and Programme-wise distribution is shown below in two separate bar charts:

(a) The state-wise student enrolment (2627) for 2017-18 is shown below:



The trend shown is similar to that shown in previous years with UP in the lead. However, while U.P. has shown an improvement in student numbers, AP in position two shows a decrease compared to previous years.

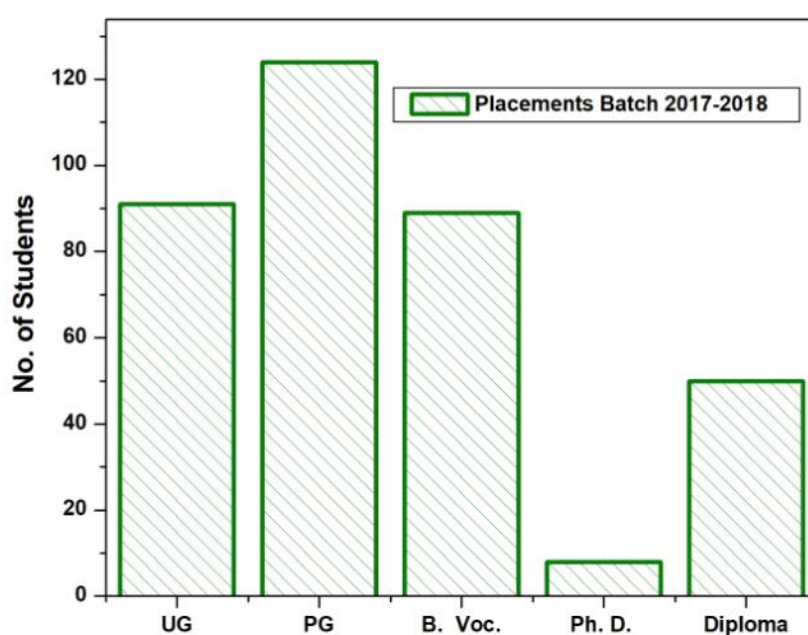
(b) The programme-wise student enrolment is shown below:





## Students' Placements

Students of the Professional and Certificate Courses got well placed in leading companies like Infosys, Tata Consultancy Services, Headstrong, Genpact, Concentrix, Maruti Suzuki, Timex group, Fiat Motors to name a few while students graduating from the Bachelors of Education Programme, PG and Ph.D. got recruited in various schools, colleges and R& D Labs. The students of Vocational Courses also were well recruited. The recruitment for this batch is still in a phase of continuation.



## DEI As Others See It - Visitor's Remarks

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*"Had an opportunity of visiting this unique Institution on the occasion of its 35<sup>th</sup> Convocation Ceremony. Have always heard of this Institution since childhood but was totally taken aback by the reality which is much better than whatever we have heard. This Institution has laid a tradition of fusion between Education and contemporary skilling which needs to be universally replicated. It is creating a new generation of youngsters who are spiritually inspired but still grounded in the realities of the country's current needs. A very motivating and inspiring experience. Thank the Management for giving us this opportunity."* **Shri. Rohit Nandan, IAS, Secretary, Skill Development & Entrepreneurship, Govt. of India. Jan. 12<sup>th</sup>, 2017.**

*"I am really impressed by the spirit and the breadth of activities of the University. I like particularly the relevance for all aspects of society, from engineering to sustainability and the arts."*

**Prof. Frank Schweitzer, ETH, Zurich. March 10<sup>th</sup>, 2017.**

*"When was the last time you experienced something for the first time. This was one of the days. Full of wonderful experiences, great learnings and the chance to interact with some great minds. This is a unique Institution grounded in Indian values & modernized by global intellect and technology. I look forward to collaborating with the institute in many areas."*

**Shri. Bhaskar Pramanik, Chairman, Microsoft India. Feb. 7<sup>th</sup>, 2017.**

*"DEI is an antique piece of academic heritage:"* - **Prof. Gartalachanna, Dean, Faculty of Education, Andhra Pradesh University, Vishakhapatnam (Member of NCTE Team, 24<sup>th</sup> and 25<sup>th</sup> April, 2017**

*"Inspiring to see such a holistic approach to education and involvement with the local community. We are very keen to see how we can collaborate and work for the benefit of the local ecosystem as well as the broader market! Thank you all for your very hospitable and enthusiastic welcome! Look forward to coming back very soon."* **NTPC TEO, INFINON TECHNOLOGIES, Sept. 15, 2017.**

*"I have heard of Gurukulam method of Education in our country few centuries ago with integrated education, like skill,*

*social, sports and economical skills in built. I could see all these things are adapted in Dayalbagh University with latest technology integrated to make our country a developed country. Also self sustained ecosystem inside the campus is very impressive and similar model should be spread to all the University and Colleges in the country.*

*Great leader and Team to maintain this excellence smart ecosystem sustainable.”* **A. Balamunigam, Electronics Sector, Skill Council of India, Sept. 17, 2017.**

*“The DEI is a fascinating centre of learning. The holistic approach from moral values, ethics, skills, to knowledge & employment a multifaceted product comes out. Congratulations .Wish I could have spent more time to understand fully this fascinating out of the box approach. My humble pranams to Pujya Guruji.”* **Honourable Shri. E.S.L. Narasimhan, Governor of Andhra Pradesh & Telengana. Sept. 17<sup>th</sup>, 2017.**

*“The visit during UGC Review Committee was fully supported and helped by the Director, Deans and Heads and all teachers and staff members. The dedicated and committed teachers and staff members are providing quality education and helping in building the character and Human Resources needed for the growth and development of the nation. I congratulate and thank them for their continued efforts in making true human beings with knowledge, wisdom and consciousness. I wish them all the best wishes in this endeavour.* **Prof. G.D.Sharma, Vice-Chancellor, Bilaspur University, Chhattisgarh. Oct.7<sup>th</sup> , 2017.**

*“Visit to DEI was a wonderful experience. The institution inculcates value based education and the support of DEI Society makes this institution unique. The guidance of Gurus and the administrative acumen of present Director is taking this institute to the higher heights of Higher Education. Faculty and the administrative staff is doing commendable job.”* **Dr. Nisar Ahmad Mir, Joint Secretary, University Grants Commission (UGC) New Delhi, Oct. 7, 2017.**

*"My visit during UGC review Committee to the DEI was an experience to gain knowledge about the field based teaching and learning. The curriculum framed by the foresighted personalities is model to the nation. This University is not creating the students as job seekers but Entrepreneurs to give job to others.*

*Each and every student is provided Hands on experience in their relevant field. The Community involvement, dairy development, farming and innovation are exemplary one. This Education Model can be taken as Model to the Nation. I wish all the faculty and management further development."* **Prof. Dr. G. Visvanathan, Vice Chancellor (Former), Tamilnadu Teachers Education University, Chennai, Oct. 7, 2017.**

*"We are fortunate to have been given an opportunity by SBI to interact with institutions like DEI, which are involved in all the activities leading to holistic development of society. Here is an institution where all the inhabitants forget about their caste creed and colour and join hands towards achievement of only one goal i.e welfare of mankind. Gandhiji's message of Shramdaan is seen by us as actually being put to practicality. Here we learn how to live within our means and remain blissfully happy. All our best wishes for prosperity of the institution".* **Mr. M.K. Rekhi, SBI Foundation, 6<sup>th</sup> Floor, Air India Building, Nariman Point, Mumbai. Oct. 7, 2017.**

*"It was our utmost pleasure to visit the institution, DEI alongwith Dayalbagh, We did have a wonderful time plucking the beans of Urad Dal.*

*Wonderful Experience*

*Excellent place*

*Lots of Love*

*Congratulations and Best Wishes"*

**- Anamika Shukla, C-54, Soami Nagar, North Delhi, Oct. 7, 2017.**

*"With the Grace of God it was unique opportunity to deliver Diamond Jubilee Lecture at Dayalbagh Educational Inst. on Nov. 25, 2017 at Agra. It was a great inspiration to meet Gracious Hazur and Rani Sahiba and most humble Bagh means Garden. It is truly Dayalbagh where inspiration to create Human being and develop each sphere of Life- Spirituality, Art and Science."* **- Prof. Jagat Ram, Director, PGIMER, Chandigarh. Nov. 25, 2017.**

*" I feel blessed to have had the opportunity to spend two days here. We were deeply struck by the outpouring of "सेवा भाव" in anyone we met. The morning time in the खेत reinforced my belief that man's natural bond with nature needs strengthening & a does wonders to keep us rooted and 'grounded', builds humility and dignity of labour, & keeps the body in good shape. We look forward to another visit."* – **Rajendra (& Neeti) Pawar, NIIT, New Delhi. Dec. 8, 2017.**

*" I am quite impressed with what I saw in DEI. Society connect is becoming absolutely essential for all our Higher Educational Institutes. This aspect is very visible in DEI. IIT's have something to learn from this aspect of DEI. My best wishes to DEI. Hope to see increased interaction between DEI & IIT Delhi."* – **V. Ramgopal Rao, Director, IIT Delhi. Jan. 2, 2018.**

*"An unforgettable Experience. Turned out to be much more than what I had heard. Really impressed by the wonderful work being done by the University. I compliment the entire team and wish them All the Best!!"* – **Rashmi Verma, Secretary, Tourism, Govt. of India., Jan 21, 2018.**

*"आत्मविश्वास, स्वावलंबन, दायित्वबोध तथा मनुष्यता देने वाली शिक्षा, यशस्वी प्रतिमान यहाँ पर देखने के लिये उपलब्ध हैं। बहुत आनंददायक है।"* – **Mr.Mohan Bhagwat, Sarsanghchalak (Chief) of the Hindu Nationalist Organisation, Rashtriya Swayamsevak Sangh (RSS) Feb. 25, 2018.**

*"A wonderful experience. Many thanks for our partnership."* – **David Agnew, Seneca College, Toronto, Canada, Feb., 27, 2018.**



## Annexure-I

## RULE: 11

## MEMBERS OF GOVERNING BODY

TERM: 2017-2020		Total Members: 14	Quorum: Eight	(As on 1-JUL-2017)
		<u>Status of Nomination</u>		<u>Name of the Member</u>
(a)	1.	Director (Ex-officio)		Professor P.K. Kalra Director Dayalbagh Educational Institute Dayalbagh, Agra-282 005
(b)	2.	Treasurer (Ex-officio)		Smt. Sneh Bijlani Treasurer Dayalbagh Educational Institute Dayalbagh, Agra-282 005
(c)	3.	Two Deans from amongst the Deans of the Faculties of the Institute by rotation in alphabetical order of the names of the Faculties. (Ex-officio) (Term-One year:2017-18: Social Scs. & Arts		Prof. S. P. Srivastava Dean, Faculty of Social Sciences Dayalbagh Educational Institute Dayalbagh, Agra-282 005
	4.	-do-		Prof. J. K. Verma Dean, Faculty of Arts Dayalbagh Educational Institute Dayalbagh, Agra-282 005
(d)	5.	One nominee of the Ministry of Education, Govt. of India. (From July, 2017) Mob.: 09415158687 Email: rrsingh1954@gmail.com		Dr. Ram Rakshpal Singh Professor of Botany Lucknow University, 15/153, Indira Nagar, Lucknow-226016, U.P.
(e)	6.	Director, Higher Education, Uttar Pradesh (Ex-officio) 0532-2421213 Phone : 9415295755		The Director Higher Education, U.P. Directorate of Higher Education Post Bag No.005 ALLAHABAD-211 001
(f)	7.	One nominee of the Academic Council of the Institute from among its members as specified in Rule 13(c) and (d).(Term: 2015-18) (w.e.f. 21.5.2017)		Prof. Sant Prakash Department of Zoology Faculty of Science
(g)	8.	One nominee of the Radhasoami Satsang Sabha, Dayalbagh, Agra		Dr. Vijai Kumar 3/218, Prem Nagar Dayalbagh, Agra-282 005
(h)	9.	One nominee of the Managing Committee of the Radhasoami Educational Institute of Agra, Dayalbagh, Agra (Mob.: 9425323538) (E-mail: gs.solanki53@gmail.com)		Justice Gulab Singh Solanki 179, Rani Bagh (Main) Khandwa Road, Indore- M.P.
(i)	10.	One representative each of Industry and Agriculture of Dayalbagh, to be nominated by the President of the Institute. Phone: Res. (011) 26148542 Off. (011) 26149648 Mob. 09810029790 <a href="mailto:rksinha@gmail.com">rksinha@gmail.com</a>		Shri Ravi Kumar Sinha B-2/6, (Ground Floor) Vasant Vihar NEW DELHI-110 057
	11.	-do-		Prof. S.S. Bhojwani 3/43, Prem Nagar Dayalbagh, Agra-282 005
(j)	12.	Three persons, not being members or employees of the Institute to be nominated by the President of the Institute from amongst eminent educationists and technologists.		Professor R. N. Mehrotra 3/189, Prem Nagar, Dayalbagh, Agra-282 005

13. -do- Professor V.B. Gupta  
3/173, Prem Nagar, Dayalbagh, Agra-282 005
14. -do- Professor P. Sriramamurti  
4/112, Vidyut Nagar, Dayalbagh, Agra-282 005

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RULE: 8

**MEMBERS OF PRIMARY BODY**

TERM: 2017-2020 Total Members: 24+1 Quorum: Eight (As on 1.7.2017)

Chairman: Shri Prem Prashant, IAS (Retd.)

	<u>Status of Nomination</u>	<u>Name of the Member</u>
(a)	1. Six members to be nominated by the members of the General Body of the Dayalbagh Educational Institute	Prof. Satya Prakash 3/201, Prem Nagar Dayalbagh, Agra-282005
	2. -do-	Prof. R.N. Mehrotra 3/189, Prem Nagar Dayalbagh, Agra-282 005
	3. -do-	Prof. P. Sriramamurti 4/112, Vidyut Nagar Dayalbagh, Agra-282 005
	4. -do-	Shri Prem Prashant 3/21, Prem Nagar Dayalbagh, Agra-282 005
	5. -do-	Prof. S.S. Bhojwani 3/43, Prem Nagar Dayalbagh, Agra-282005
(b)	7. One nominee each of the three educational societies, viz. The DEI Women's Training College Society (WTC), the DEI Engineering College Society (EC) and the Managing Committee of the Radhasoami Educational Institute of Agra (MCREI).(WTC) Email: rajivsinha@gmail.com	Shri Rajiv Sinha A-14/14 Vasant Vihar NEW DELHI-110 057
	8. -do- (EC)	Prof. N. Satyanarayana Murthy 3/13, Prem Nagar Dayalbagh, Agra-282005
	9. -do- (MCREI)	Prof. V.G. Das 4/48, Vidyut Nagar Dayalbagh, Agra-282 005
(c)	10. One nominee of the Dayalbagh Medical Relief Society	Dr. Ashok Kumar Nigam 14, Radha Nagar, Dayalbagh, Agra-282 005
(d)	11. One trustee of the Dayalbagh Education Turst, to be nominated by the trustees of the Trust	Vacant
(e)	12. One nominee of the Ministry of Education, Government of India 011-23385915 +91-11-23070173(O) +91-9560988099(M)	Ms. Rina Sonowal Kouli The Director Dept. of Higher Education, MHRD, Room No. 419, 'C' Wing, Shahstri Bhawan NEW DELHI-110001
(f)	13. Secretary Education, Uttar Pradesh (Ex-officio)	The Secretary Higher Education (Section-4) U. P. Government Sachivalaya, LUCKNOW
(g)	14. One nominee of the All India Council for Technical Education Tel: 011-2613149 9815575260(PA to VC)	Dr. M. P. Poonia Vice-Chairman, AICTE Nelson Mandela Marg Vasant Kunj, NEW DELHI-110067

		Email: mppoonia11@gmail.com PA:vcmaicte@gmail.com	
(h)	15.	Deans of Faculties (Ex-officio)	Prof. J. K. Verma Dean, Faculty of Arts Dayalbagh Educational Institute Dayalbagh, Agra-282 005
	16.	(W.E.F. 1.7.2017 to 30.6.2020) -do-	Prof. Satya Prakash Dean, Faculty of Commerce Dayalbagh Educational Institute Dayalbagh, Agra-282 005
	17.	(1-7-2016 to 30-6-2019) Deans of Faculties (Ex-officio)	Professor K.C. Vashishtha Dean, Faculty of Education Dayalbagh Educational Institute Dayalbagh, Agra-282 005
	18.	(w.e.f. 27.7.2016) -do-	Prof. S.K. Gaur Dean, Faculty of Engineering Dayalbagh Educational Institute Dayalbagh, Agra-282 005
	19.	(w.e.f. 1.6.2016 to 31.5.2019) -do-	Professor G.S. Tyagi Dean, Faculty of Science Dayalbagh Educational Institute Dayalbagh, Agra-282 005
	20.	(w.e.f. 15.11.17) -do-	Prof. Soami Prakash Srivastava Dean, Faculty of Social Sciences Dayalbagh Educational Institute Dayalbagh, Agra-282 005
(i)	21.	Director of the Institute (Ex-officio)	Professor P.K. Kalra Director Dayalbagh Educational Institute Dayalbagh, Agra-282 005
(j)	22.	Treasurer of the Institute (Ex-officio)	Smt. Sneh Bijlani Treasurer Dayalbagh Educational Institute Dayalbagh, Agra-282 005
(k)	23.	From 1.9.2005 Two nominees of the President of the Institute	Shri Anil Oberai 5/65, Swet Nagar Dayalbagh, Agra-282 005
	24.	-do-	Dr. S.P. Srivastava 3/8, Prem Nagar Dayalbagh, Agra-282 005

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#### Rule: 16

#### MEMBERS OF FINANCE COMMITTEE

TERM: 2017-2020      Total Members: 6      Quorum: Three      (As on 1-JUL-2017)

		<u>Status of Nomination</u>	<u>Name of the Member</u>
(a)	1.	Director (Ex-officio)	Professor P.K. Kalra Director Dayalbagh Educational Institute Dayalbagh, Agra-282 005
(b)	2.	Treasurer (Ex-officio) Phone: 9897468691	Smt. Sneh Bijlani Treasurer Dayalbagh Educational Institute Dayalbagh, Agra-282 005
(c)	3.	One nominee of the Department of Finance, U.P. Government.	Shri D.K. Agarwal Additional Director (Treasuries) Agra Mandal

- (d) 4. Phone: 2420543 (O)  
Mob.: 9415028408  
Two nominees of the Governing Body,  
one of which shall be a Dean  
(GBMR-6 dated 15.5.2017)
5. -do-  
Shri A.P. Sinha  
3/169, Prem Nagar  
Dayalbagh, Agra-282 005
- (e) 6 One Nominee of the MHRD  
Ph.: 0522-2440823  
(Mob.) 9453296764,8604914740  
(From Sep,2017)  
Email: [fo@bbau.ac.in](mailto:fo@bbau.ac.in),  
Rbulletfire2016@gmail.com
- Prof. S.P. Srivastava  
Dean  
Faculty of Social Sciences  
Dayalbagh Educational Institute  
Dayalbagh, Agra-282 005  
Shri Rama Shankar Singh  
Finance Officer  
Babasaheb Bhimrao Ambedkar  
University, Lucknow  
Lucknow-226025 (U.P.)

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RULE: 19

**Managing Council for the Non-University General Educational Institutions**

TERM: 2016-2019 Total Members: 19 Quorum: Six (As on 1-7-2017)

	<u>Status of Nomination</u>	<u>Name of the Member</u>
(a)	1. Director (Ex-officio)	Professor P.K. Kalra Director Dayalbagh Educational Institute Dayalbagh, Agra-282 005
(b)	2. Treasurer (Ex-officio)	Smt Sneh Bijlani Treasurer Dayalbagh Educational Institute Dayalbagh, Agra-282 005
(c)	3. Principals of Non-Univ. General Educational Institutions(NUGEI) (Ex-officio)	Dr.(Ms) Mala Bal Principal DEI P.V. Girls Intermediate College Dayalbagh, Agra-282 005
	4. -do-	Dr. R.B. Dixit Principal REI Intermediate College Dayalbagh, Agra-282005
	5. -do-	Sh. D.S. Kapoor Principal, Radhasoami Adivasi Higher Secondary School, C/o Manager, Rajaborari Estate TIMARNI (Dist. HARD A (MP)-461228
	6. -do- (R) 9871000140 (O) 41748661	Ms. Anita Kheterpal Principal Soami Nagar Pre-Primary School C-33,Second Floor, Soami Nagar (North), New Delhi-110017
	7. -do- Mob. 9810282419 email: arti.snms@gmail.com	Mrs. Arti Prasad Principal Soami Nagar Model School, Soami Nagar (North) New Delhi-110017

- |     |     |  |   |
|-----|-----|--|---|
|     | 8.  | Principals of Non-Univ. General Educational Institutions (NUGEI) (Ex-Officio)<br>7830507157 (Mob.)<br>9286542683 (Mob.)<br>9997137127 (Mob.)(19.3.2016)<br>Email: iwariusha1959@gmail.com  | Ms. Usha Tiwari<br>Principal<br>Roorkee Model School, S-3, Handloom Industry,<br>Dayalbagh Colony, Ganeshpur (Near Railway<br>Station)<br>ROORKEE-247 667 |
| (d) | 9.  | One teacher from each of the NUGEI by rotation in order of seniority (Term-One year) (2017-2018)   | Dr.(Ms.) Rama Sinha<br>Assistant Teacher<br>DEI P.V. Girls Intermediate College<br>Dayalbagh, Agra-282 005  |
|     | 10. | -do-   | Shri Lokendra Kumar<br>Assistant Teacher<br>REI Intermediate College<br>Dayalbagh, Agra-282 005   |
|     | 11. | Teacher representative of Soami Nagar Model School (2017-18)   | Ms. Sharda Sahani<br>Teacher<br>Soami Nagar Model School, Soami Nagar (North)<br>NEW DELHI-110017   |
|     | 12. | -do-<br>(2017-18)  | Smt. Sarita Prakash<br>Teacher, Radhasoami Adivasi Higher Secondary<br>School, C/o Manager, Rajaborari Estate<br>TIMARNI, Dist Harda (MP)461228           |
| (e) | 13. | Two nominees of the Governing Body from amongst its members<br>(GBR-14 & 6 dt. 5.3.2016 & 16.9.17)<br>(Mob.: 9425323538)<br>(E-mail: s.solanki53@gmail.com)  | Justice Gulab Singh Solanki<br>179, Rani Bagh (Main)<br>Khandwa Road, Indore- M.P.  |
|     | 14. | -do-   | Prof. V.B. Gupta<br>3/173, Prem Nagar<br>Dayalbagh, AGRA-282 005  |
| (f) | 15. | Director,<br>Secondary Education,<br>Uttar Pradesh<br>(Ex-officio)   | The Director<br>Dept. of Secondary Education<br>Directorate of Secondary Education,U.P.<br>Government<br>LUCKNOW  |
| (g) | 16. | One nominee of Ministry of Education,<br>Government of India.<br>Ph.: (O) 011-23381894<br>Fax: 011-23070173<br>(Re-nomination for three years w.e.f.<br>March, 2014)<br>Mob. 9560988099  | Ms.Reena Sonowal Kouli<br>Director<br>Dept. of Higher Education,<br>MHRD, Room No. 419,'C' Wing, Shahstri Bhawan<br>NEW DELHI-110001                      |
| (h) | 17. | One nominee of the Managing<br>Committee of the REI, Dayalbagh, Agra   | Prof. S.S. Bhojwani<br>3/43, Prem Nagar<br>Dayalbagh, Agra-282 005  |
| (i) | 18. | One nominee of the DEI Prem Vidyalaya<br>Society, Dayalbagh, Agra.   | NIL   |
| (j) | 19. | One nominee of the DEI Higher<br>Secondary School Society, Dayalbagh,<br>Agra  | NIL<br>(Society Merged with MCREI)  |
| (k) | 20. | Two persons not being members or<br>employees of the Institute including non-<br>university educational institutions to be<br>nominated by the President of the<br>Institute from amongst eminent<br>educationists and technologists | Professor Asha Sinha<br>(Ex-Professor of Home Science)<br>3/52, Prem Nagar,<br>Dayalbagh, Agra-282005   |
|     | 21. | -do-   | Shri Vidhu Kashyap<br>The Manager<br>Rajaborari Estate, Timarni, Distt. Harda-461 228<br>(M.P.)   |



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RULE: 18

**Managing Council for the Non-University Technical Educational Institutions**

TERM: 2016-2019    Total Members: 11    Quorum: Six    (As on 1-JUL-2017)

	<u>Status of Nomination</u>	<u>Name of Member</u>
(a)	1. Director (Ex-officio)	Professor P.K. Kalra Director Dayalbagh Educational Institute Dayalbagh, Agra-282 005
(b)	2. Treasurer (Ex-officio)	Smt. Sneh Bijlani Treasurer Dayalbagh Educational Institute Dayalbagh, Agra-282 005
(c)	3. Principals of the Non- University Technical Educational Institutions (NUTEI) (Ex-officio)	Dr. B. B. Rao Officiating Principal DEI Technical College, Dayalbagh, Agra-282 005
(d)	4. One teacher from each of the NUTEI not below the rank of lecturer by rotation in order of seniority (Term-One year)2017- 2018	Dr. Anand Kumar Sharma Lecturer DEI Technical College, Dayalbagh, Agra-282 005
(e)	5. Two nominees of the Governing Body from amongst its members	Prof V.B. Gupta 3/173, Prem Nagar Dayalbagh, Agra-282 005
	6. -do- Mob. 09810029790 E-mail: <a href="mailto:rksinha@gmail.com">rksinha@gmail.com</a>	Shri Ravi Kumar Sinha B-2/6, (Ground Floor), Vasant Vihar NEW DELHI-110 057
(f)	7. Director Technical Education Uttar Pradesh (Ex-officio) 0512-2582084 (O) (M) 9455004691	The Director Technical Education Directorate of Technical Education, U.P. Near Gurdeo Palace Cinema Hall, Zoo Road KANPUR-208 002
(g)	8. One nominee of the Northern Regional Office of the All India Council for Technical Education. Ph: 2292550; 22929551; 2550122 Fax: 0512-2214492	The Regional Officer, NRO All India Council for Technical Education Behind Govt. Polytechnic Near Gurudeo Palace Cinema Hall Zoo Road, Vikas Nagar, KANPUR-208 002
(h)	9. One nominee of the Managing Committee of the Radhasoami Educational Institute of Agra, Dayalbagh, Agra.	Shri P. P. Dhir 4/101-102 Vidyut Nagar Dayalbagh, Agra-282 005
(i)	10. Two persons, not being members or employees of the Institute including non- university educational institutions to be nominated by the President of the Institute from amongst eminent educationists and technologists.	Shri Jamuna Prasad 117, Jairam Bagh, Dayalbagh, Agra-282 005
	11. -do- Phone: Res.: (011) 21738494 (Mob. 8057108482)	Shri V. Prem Swarup 3, Dayal Nagar Dayalbagh, Agra

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RULE:13

**MEMBERS OF ACADEMIC COUNCIL**

TERM: 2017-2020    Total Members: 44    Quorum: Ten    (As on 1-July-2017)

	<u>Status of Nomination</u>	<u>Name of the Member</u>
(a)	1. Director (Ex-officio)	Professor P.K. Kalra Director Dayalbagh Educational Institute Dayalbagh, Agra-282 005
(b)	2. Deans of Faculties (Ex-officio) (1.7.2017 to 30.6.2020)	Prof. J. K. Verma Dean, Faculty of Arts Dayalbagh Educational Institute Dayalbagh, Agra-282 005
	3. -do- (01-07-2016 to 30-06-2019)	Prof. Satya Prakash Dean, Faculty of Commerce Dayalbagh Educational Institute Dayalbagh, Agra-282 005
	4. -do- (w.e.f. 27.7.2016 to 26.7.2019)	Prof. K. C. Vasthitha Dean, Faculty of Education Dayalbagh Educational Institute Dayalbagh, Agra-282 005
	5. -do- (1-6-2016 to 31-5-2019)	Prof. S.K. Gaur Dean, Faculty of Engineering Dayalbagh Educational Institute Dayalbagh, Agra-282 005
	6. -do- (w.e.f. 15.11.2017)	Professor G. S. Tyagi Dean, Faculty of Science Dayalbagh Educational Institute Dayalbagh, Agra-282 005
	7. -do-	Prof. Soami Prakash Srivastava Dean, Faculty of Social Sciences Dayalbagh Educational Institute Dayalbagh, Agra-282 005
(c)	8. Heads/Incharges of all the teaching departments in the university faculties, who are not Deans	Prof. Giriraj Kumar Head, Deptt. of Sanskrit, Faculty of Arts Dayalbagh Educational Institute Dayalbagh, Agra-282 005
	9. -do-	Professor Ragini Roy Head, Deptt. of Drawing & Painting, Faculty of Arts Dayalbagh Educational Institute Dayalbagh, Agra-282 005
	10. -do-	Professor Sangita Saini Head, Deptt. of Home Science, Faculty of Arts Dayalbagh Educational Institute Dayalbagh, Agra-282 005
	11. -do-	Prof.(Smt.) Sharmila Saxena Head, Deptt. of Hindi, Faculty of Arts Dayalbagh Educational Institute Dayalbagh, Agra-282 005
	12. -do-	Professor (Smt.) S.K. Satsangi Head, Deptt. of Music, Faculty of Arts Dayalbagh Educational Institute Dayalbagh, Agra-282 005
	13. -do-	Prof. Pramod Kumar Head, Deptt. of Accountancy & Law, Faculty of Commerce Dayalbagh Educational Institute Dayalbagh, Agra-282 005

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| 14.     | Heads/Incharges of all the teaching departments in the university faculties, who are not Deans  | Professor Vibha Nigam<br>Head, Deptt. of Pedagogical Sciences,<br>Faculty of Education<br>Dayalbagh Educational Institute<br>Dayalbagh, Agra-282 005           |
| 15.     | -do-  | Prof. Ajay Kumar Saxena<br>Head, Deptt. of Elect. Engg.,<br>Faculty of Engineering<br>Dayalbagh Educational Institute<br>Dayalbagh, Agra-282 005               |
| 16.     | -do-<br>(from 25.5.2011)  | Professor Sant Prakash<br>Head, Deptt. of Zoology,<br>Faculty of Science<br>Dayalbagh Educational Institute,<br>Dayalbagh, Agra-282 005                        |
| 17.     | -do-<br>from 15.1.2016  | Professor J.N. Srivastava<br>Head, Deptt. of Botany,<br>Faculty of Science<br>Dayalbagh Educational Institute<br>Dayalbagh, Agra-282 005                       |
| 18.     | -do-  | Professor Sahab Dass<br>Head, Deptt. of Chemistry,<br>Faculty of Science<br>Dayalbagh Educational Institute<br>Dayalbagh, Agra-282 005                         |
| 19.     | -do-  | Professor Ravinder Kumar<br>Head, Deptt. of Mathematics,<br>Faculty of Science<br>Dayalbagh Educational Institute<br>Dayalbagh, Agra-282 005                   |
| 20.     | Heads/Incharges of all the teaching departments in the university faculties, who are not Deans  | Dr. Kamaljeet Sandhu<br>Head, Deptt. Psychology,<br>Faculty of Social Sciences<br>Dayalbagh Educational Institute<br>Dayalbagh, Agra-282 005                   |
| 21.     | -do-<br>(from 27.12.2013)   | Prof. Sanjeev Swami<br>Head, Deptt. of Management,<br>Faculty of Social Sciences<br>Dayalbagh Educational Institute<br>Dayalbagh, Agra-282 005                 |
| 22.     | -do-  | Prof. (Smt.) Poornima Jain<br>Head, Deptt. of Pol.Sc. & Sociology,<br>Faculty of Social Sciences<br>Dayalbagh Educational Institute<br>Dayalbagh, Agra-282 005 |
| (d) 23. | One member of the teaching staff, not below the rank of lecturer and not covered by clauses (b) and (c) above from each Faculty in order of seniority by rotation.<br>(Term- One year: 2017-18) | Prof. Kamlesh Kumari Ravi<br>Department of Hindi, Faculty of Arts<br>Dayalbagh Educational Institute<br>Dayalbagh, Agra-282 005                                |
| 24.     | -do-<br>(Term- One year: 2017-18)   | Dr. Anisha Satsangi<br>Dept. of Accountancy & Law,<br>Faculty of Commerce<br>Dayalbagh Educational Institute<br>Dayalbagh, Agra-282 005                        |
| 25.     | One member of the teaching staff, not below the rank of lecturer and not covered by clauses (b) and (c) above from each Faculty in order of seniority by rotation.<br>(Term- One year: 2017-18) | Prof. Gur Pyari Satsangi<br>Dept. of Pedagogical Sciences,<br>Faculty of Education<br>Dayalbagh Educational Institute<br>Dayalbagh, Agra-282 005               |

	26.	-do-	Shri Anami Saran Dept. of Deptt. of Mech. Engg. Faculty of Engineering Dayalbagh Educational Institute Dayalbagh, Agra-282 005
	(Term- One year: 2017-18)		
	27.	-do-	Prof. C. Vasantha Laxmi Dept. of Physics & Computer Science, Faculty of Science Dayalbagh Educational Institute Dayalbagh, Agra-282 005
	(Term- One year: 2017-18)		
	28.	-do-	Dr.(Ms.) Sunita Kumari Dept. of Management, Faculty of Social Sciences Dayalbagh Educational Institute Dayalbagh, Agra-282 005
	(Term- One year: 2017-18)		
(e)	29.	The Coordinator Distance Education Cell	Prof. V.B. Gupta Distance Education Cell Dayalbagh Educational Institute Dayalbagh, Agra-282 005
(e)	30.	Principals of all the non-university educational institutions	Dr. B. B. Rao Principal DEI Technical College Dayalbagh, Agra-282 005
	31.	-do-	Dr.(Mrs.) Mala Bal DEI P.V. Girls' Intermediate College Dayalbagh, Agra-282 005
	32.	-do-	Dr. R.B. Dixit Officiating Principal, REI Intermediate College Dayalbagh, Agra-282 005
	33.	Principals of all the non-university educational institutions	Shri D.S. Kapoor Principal Radhasoami Adivasi Higher Secondary School C/o Manager Rajaborari Estate TIMARNI Dist. HARDA (MP)-461228
	34.	-do-	Ms. Anita Kheterpal Principal Soami Nagar Pre-Primary School C-33, Second Floor, Soami Nagar (North) NEW DELHI-110 017
	35.	-do-	Mrs. Arti Prasad Principal Soami Nagar Model School (Primary), Soami Nagar (North) NEW DELHI-110 017
(f)	36.	-do-	Ms. Usha Tiwari Principal Roorkee Model School 23B, Dayalbagh Colony, Ganeshpur (Near Railway Station) ROORKEE-247 667
(g)	37.	The Director of Technical Education, Uttar Pradesh (Ex-officio) 0512-2582084 (O) (M) 9455004691	The Director Technical Education Directorate of Technical Education, U.P. Near Gurdeo Palace Cinema Hall, Zoo Road KANPUR-208 002
(h)	38.	Two specialists in Industry, to be nominated by the Governing Body (GBR-4 dt.15.5.17) Tel:(M) 9810212311 011-26145396 (R) Fax:011-26146691 <a href="mailto:rajivsinha@gmail.com">rajivsinha@gmail.com</a>	Shri Rajiv Sinha A-14/14, Vasant Vihar New Delhi-110 057

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| 39.     | -do-<br>Phone +91-11-22751573<br>email: <a href="mailto:prempsri@gmail.com">prempsri@gmail.com</a><br>Mob. 09810055226   | Shri P.P. Srivastava<br>33, Manu Apartments, Mayur Vihar Phase-I<br>Delhi- 110091                                       |
| (i) 40. | Not more than five persons of eminence<br>in the fields of Arts and Culture,<br>Commerce, Education, Engineering and<br>Science, to be nominated by the<br>Governing Body<br>(GBR-5 dated 15.5.17) | Professor P. Sriramamurti<br>4/112, Vidyut Nagar<br>Dayalbagh, Agra-282 005   |
| 41.     | -do-<br>Tele. 26498241 ; 51050001<br>Mob. 9810153341<br><a href="mailto:pami.dua@gmail.com">pami.dua@gmail.com</a>   | Professor Pami Dua<br>C-58, Soami Nagar<br>NEW DELHI-110 017  |
| 42.     | -do-   | Prof. R.N. Mehrotra<br>3/189, Prem Nagar<br>Dayalbagh, Agra-282 005   |
| 43.     | -do-   | Prof. Jamuna Prasad<br>117, Jairam Bagh<br>Dayalbagh, Agra  |
| 44.     | -do-<br><a href="mailto:pkalra@cse.iitd.ac.in">pkalra@cse.iitd.ac.in</a><br>mob. 9452831015  | Professor P.K. Kalra<br>Department of Computer Science<br>Indian Institute of Technology, Hauz Khas<br>New Delhi-110016 |